

SITRANS Weighfeeders



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SITRANS Weighfeeders

Introduction

Overview

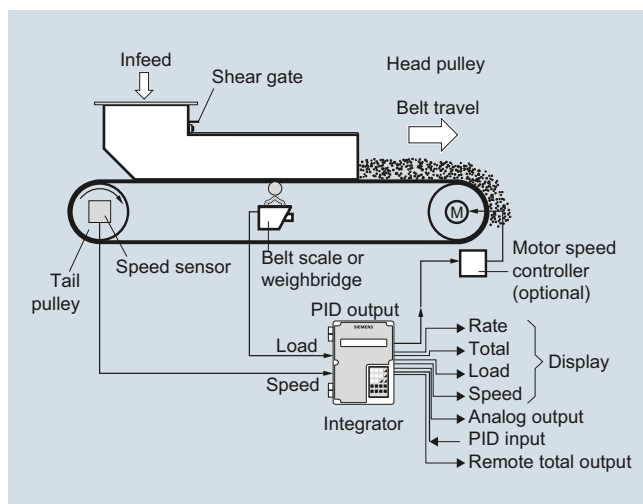
SITRANS weighfeeders from Siemens can improve the accuracy of processing, blend consistencies, accountability, and record keeping. All weighfeeders come standard with a belt weigh bridge and speed sensor. An integrator is required to complete the system.

Mode of operation

The weighfeeder is used to deliver an accurate mass flow rate of material. In the majority of applications, material is profiled by an adjustable mechanical shear gate, which fixes the correct material bed depth for a given particle size.

The feed rate is then maintained and adjusted by varying the speed of the belt. However, in some cases the belt speed is constant with rate control (if any) done by a pre-feeding device.

The system consists of three components: weight and speed sensing, integration and control, and the mechanical conveying system. Using the belt load and the belt speed signals, small incremental totals of weight per time are measured by the integrator and then the flow rate is calculated. The measured flowrate is compared against the desired flowrate and the on-board PID controller makes necessary corrections to the belt speed.



Weighfeeder operation

Design and Applications

SITRANS WW100

The platform weigh bridge mounts directly to a corrosion-resistant platform load cell. The direct load design eliminates all intermediate mechanical suspension and allows material weight to be directly applied to the load cell.

This design minimizes zero drift normally caused by intermediary suspension components and allows for the use of a very sensitive precision platform load cell. Load cell size and construction are chosen for each specific application.

SITRANS WW200

A stainless steel platform weighdeck with a Delrin slider bar assembly mounts directly to two corrosion-resistant, sealed platform load cells. The direct load design eliminates all intermediate mechanical suspension and allows material weight to be directly applied to the load cells. The frame of the WW200 is sturdy and rigid, ensuring stable and repeatable results, maximizing resolution and weighing accuracy.

SITRANS WW300

SITRANS WW300 suspends a single weigh idler on platform load cells. Its design eliminates all moving parts in the weighing process and subsequent maintenance and replacement problems. There are no links or flexures. Two corrosion-resistant precision strain gauge load cells provide weight sensing signals to an integrator. This design feature minimizes zero drift and maximizes resolution and weighing accuracy.

SITRANS WW310

A modular design with external access to all bearings, speed sensors and load cells the WW310 is easy to maintain. Two corrosion resistant single point platform load cells mounted directly to a rugged idler ensure consistent weighing accuracy.

Technical specifications

Criteria	SITRANS WW100	SITRANS WW200	SITRANS WW300	SITRANS WW310
Typical industries	Bulk chemicals, tobacco, food, water treatment	Bulk chemicals, tobacco, food, recycling	Cement, mineral processing, coal, mining, pulp and paper	Cement, mineral processing, coal, mining, pulp and paper
Typical applications	High-accuracy, low-capacity for minor ingredient additives	Low- to medium-capacity for minor ingredient additives	Medium- to high-capacity for macro ingredient additives	Medium- to high-capacity for macro ingredient additives
Design rate range	45 kg/h ... 18 t/h (100 lb/h ... 20 STPH)	0.45 ... 100 t/h (1 000 lb/h ... 110 STPH)	4.5 ... 800 t/h (5 ... 880 STPH)	4.5 ... 270 t/h (5 ... 300 STPH)
Belt speed	0.005 ... 0.36 m/s (1 ... 70 fpm)	0.005 ... 0.36 m/s (1 ... 70 fpm)	0.005 ... 0.36 m/s (1 ... 70 fpm)	0.005 ... 0.36 m/s (1 ... 70 fpm)
Accuracy¹⁾	± 0.25 ... 0.5 %	± 0.5 % or better	± 0.5 % or better	± 0.5 % or better
Specified range	10 ... 100 % based on speed	10 ... 100 % based on speed	10 ... 100 % based on speed	10 ... 100 % based on speed
Sensing element	Long length platform weigh bridge Single load cell	Platform weigh bridge Dual load cells	Single idler scale Dual load cells	Single idler scale Dual load cells
Approvals	CE, RCM Stainless steel options meet USDA and FDA requirements for food processing	Stainless steel options meet USDA and FDA requirements for food processing		

¹⁾ Accuracy subject to: On factory approved installations the weigh feeder system's totalized weight will be within the specified accuracy when compared to a known weighed material test sample.
 The test rate must be within the specified range of the design capacity and held constant for the duration of the test.
 The minimum material test sample must be equivalent to a sample obtained at the test flow rate for three revolutions of the belt or at least ten minutes running time, whichever is greater.

SITRANS Weighfeeders

Introduction

Application

SIEMENS

Weighfeeder Application Questionnaire

Customer information

Contact: _____

Prepared By: _____

Company: _____

Date: _____

Address: _____

Notes on the Application: _____

City: _____ Country: _____

State/Province: _____ Zip/Postal Code: _____

Phone: () _____ Fax: () _____

E-mail: _____

Material

Material being measured: _____ Particle size: _____ mm/inch/mesh

Bulk density: _____ Kg/m³ or lb/cu. ft. or t/m³ Moisture content: _____ %

Temperature: _____ °C/°F Angle of repose: _____ degrees Surcharge angle: _____ degrees

Material characteristics: ☐ sticky ☐ powder ☐ corrosive ☐ highly abrasive ☐ fluidizes

Pre-feed

(Supply sketch where possible)

☐ Sketch attachedApplication: ☐ Load, speed, rate, and total ☐ Batch Control ☐ Ratio controlled blendingFeed type: ☐ Rotary valve ☐ Belt ☐ Screw ☐ Vibratory pan ☐ Bin, hopper, or silo ☐ OtherHopper size: _____ ft³/m³ ☐ Continuous conveying ☐ Discontinuous conveying

Feed rate: _____ t/hr, kg/hr, lb/hr, LTPH, or STPH _____ min. _____ max. _____ nominal

Accuracy required: +/- _____ % Hazardous classification at scale location: _____

Condition of operating environment: ☐ Wash down ☐ Sanitary ☐ Corrosive ☐ Normal

Duty cycle: _____ hours per day Material free fall height onto belt: _____

Weighfeeder

Space limitations: length: _____ width: _____ height: _____ mm/inch Requested belt width: _____ mm/inch

Construction: ☐ open ☐ enclosed Quantity required: _____ Access side looking in direction of belt travel: ☐ left ☐ rightInlet dimensions: L x W: _____ mm/inch Centerline length: _____ mm/inch
inlet to discharge

Installation

(indicate all that apply)

Power available for motor: _____ volts _____ Hz

Inputs required:

☐ 4 ... 20 mA☐ PID

Outputs required:

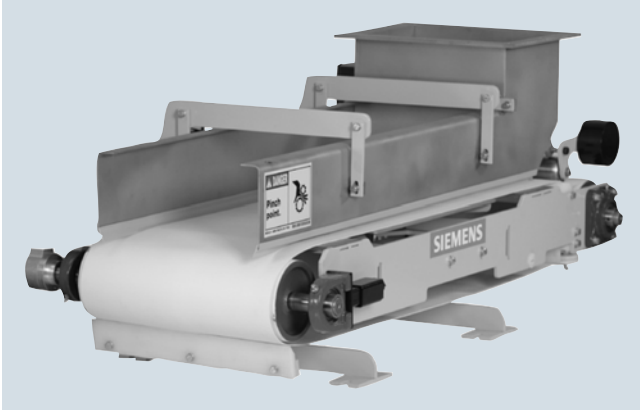
☐ 4 ... 20 mA ☐ Relays (#):☐ PID ☐ Remote totalizer

Communications:

☐ DeviceNet ☐ PROFIBUS DP ☐ SIMATIC S7 PLC ☐ EtherNet/IP☐ RS-232 / RS-485 Modbus ☐ ProfiNet ☐ Modbus TCP/IPPreferred Weighfeeder Model: ☐ WW100 ☐ WW200 ☐ WW300 ☐ WW310Preferred Construction: ☐ Painted mild steel ☐ 304 SS ☐ 316 SSOptions: ☐ Belt tracking switches ☐ Safety pull cord switches ☐ Secondary speed sensor ☐ Start, stop, speed, controller☐ Gravity tensioned belt tracker (WW100/WW300) ☐ Shear curtain ☐ Belt cleaning brushOpen options: ☐ Discharge dust hood☐ Skirtboard covers

Enclosed options:

☐ Bottom covers☐ Skirtboard covers☐ Dust tight seals☐ Dust extraction port☐ Plugged discharge chute switch☐ Drag chain clean out conveyor

Overview

SITRANS WW100 is a high-accuracy, low-capacity weighfeeder used for minor ingredient additives.

Benefits

- High accuracy
- High turn down ratio 100 ... 10 % of capacity
- Corrosion resistant components
- Fast and easy belt removal for replacement or cleaning
- Simple installation, easy to clean and maintain
- Pre-programmed drive for servo motor control

Application

SITRANS WW100 is one of the most accurate in-motion weighing systems on the market. It is specially designed for high accuracy on light loading processes. The design eliminates material buildup to ensure accurate, reliable measurement.

The unique long length platform weigh bridge mounts directly to a corrosion-resistant platform load cell. An adjustable mechanical shear gate profiles the material and fixes the correct material bed depth for a given material particle size. The belt speed can be automatically adjusted to attain the correct feed rate.

Standard components include an anti-static food grade belt, gravity tensioned roller, tail pulley driven belt for maximum weighing accuracy, belt tracking rollers, belt scraper and plow for self-cleaning.

SITRANS Weighfeeders

SITRANS WW100

Introduction

Technical specifications

SITRANS WW100	
Mode of operation	
Measuring principle	Strain gauge load cell and digital speed sensor
Typical application	Control and monitor feed rates and blending in bulk chemicals, tobacco, food, and water treatment
Measuring accuracy	
Accuracy ¹⁾	± 0.25 ... 0.5 %
Specified range	10 ... 100 % based on speed
Design rate range	45 kg/h ... 18 t/h (100 lb/h ... 20 STPH)
Max volumetric flow	45 m ³ /h (1 568 ft ³ /h)
Medium conditions	
Operating temperature	-10 ... +55 °C (10 ... 131 °F)
Material	Mild steel or stainless steel [304 (1.4301) or 316 (1.4401)], bead blast finish (1 ... 6 µm, 40 ... 240 µin)
Load cells	
Construction	17-4 PH (1.4568) stainless steel or nickel plated alloy steel
Degree of protection	- Stainless steel: IP68 - Nickel plated alloy steel: IP66
Excitation	10 V DC nominal, 15 V DC maximum
Output	2 mV/V
- Non-linearity - Non-repeatability	± 0.02 % of rated output ± 0.01 % of rated output
Capacity	- Stainless steel range: 6, 12, 30 kg - Nickel-plated range: 10, 15, 20, 30 kg
Overload	150 % of rated capacity
Temperature	- Operating range: -40 ... +65 °C (-40 ... +149 °F) - Compensated: -10 ... +40 °C (14 ... 104 °F)
Speed sensors	
Optical encoder output	- RS 422 (TTL) 5 V DC, 150 mA max. 500, 1 000, or 2 000 pulses per revolution (ppr)
Degree of protection	- Standard: IP64 - Stainless steel: IP66
Temperature	-10 ... +70 °C (14 ... 158 °F)
Framework	- Precision machined, stainless [304 (1.4301) or 316 (1.4401)] or mild steel - Cantilevered design for easy belt replacement
Pulleys	115 mm (4.5 inch) diameter, crowned and lagged
Bearings	4-bolt flange mount on drive pulley 2-bolt threaded base pillow block on driven pulley
Belt speed	0.005 ... 0.36 m/s (1 ... 70 fpm)

SITRANS WW100	
Belt support	Slider bed frame
Belting	- Polyester carcass with polyurethane top cover and static control with vulcanized endless finger splice for max. weighing consistency (standard) - Maximum rated material temperature of 82 °C (180 °F) - Low capacity thermoplastic belt rated for max. material temp. of 100 °C (212 °F)
Belt tension	- Counter-weighted stainless steel [304 (1.4301) or 316 (1.4401)] tensioning idler for consistent tension, required for high accuracy weighing - Screw type, telescoper module with 25 mm (1 inch) travel, mild or stainless steel 304 (1.4301)
Belt cleaning	- UHMW blade type with counter-weight at the head pulley for cleaning product side of belt - Return plow - Cleaning brush, optional
Drive motor	0.24 kW (0.32 HP) TEFC, 10: 1 CT inverter duty, servo drive motor with direct coupled flange mounted hollow bore worm CAF28 gear reducer 45.6 Nm (404 lb), 2.1 service factor minimum (standard) 0.55 kW (0.75 HP), TEFC, 10: 1CT inverter duty, AC drive motor with direct coupled flange mounted hollow bore worm CAF28 gear reducer 81 Nm (717 in. lb), 3.12 service factor minimum (optional)
Variable frequency drive: SINAMICS S110 servo motor controller (included with supply of WW100 based on ordering options)	1 ph, 200 ... 240 V or 3 ph, 380 ... 480 V - MMC with Factory loaded program for fast installation and commissioning - BOP for local control - External 24 V DC power supply - RS 232 connection port 4 DI, DO - Profibus DP - Starter software & connection drawings provided with documentation
Shipping weight	91 kg (200 lb) ... 181 kg (400 lb) maximum
Approvals	CE, RCM Stainless steel options meet USDA and FDA requirements for food processing

¹⁾ Accuracy subject to: On factory approved installations the weigh feeder system's totalized weight will be within the specified accuracy when compared to a known weighed material test sample. The test rate must be within the specified range of the design capacity and held constant for the duration of the test. The minimum material test sample must be equivalent to a sample obtained at the test flow rate for three revolutions of the belt or at least ten minutes running time, whichever is greater.

Reduction ratio selection table

Reduction (X:1)	Speed	60 Hz fpm	60 Hz m/s	50 Hz fpm	50 Hz m/s
372:1	max.	5.54	0.028	4.59	0.023
	min.	0.55	0.003	0.45	0.002
303.36:1	max.	6.80	0.035	5.63	0.029
	min.	0.68	0.003	0.56	0.003
248:1	max.	8.31	0.042	6.89	0.035
	min.	0.83	0.004	0.69	0.003
202.24:1	max.	10.19	0.052	8.45	0.043
	min.	1.02	0.005	0.84	0.004
155:1	max.	13.30	0.068	11.02	0.056
	min.	1.33	0.007	1.10	0.006
126.4:1	max.	16.31	0.083	13.51	0.069
	min.	1.63	0.008	1.35	0.007
93:1	max.	22.17	0.113	18.37	0.093
	min.	2.22	0.011	1.84	0.009
75.84:1	max.	27.18	0.138	22.52	0.114
	min.	2.72	0.014	2.25	0.011
62:1	max.	33.25	0.169	27.55	0.140
	min.	3.33	0.017	2.76	0.014
50.56:1	max.	40.78	0.207	33.79	0.172
	min.	4.08	0.021	3.38	0.017
46.5:1	max.	44.34	0.225	36.74	0.187
	min.	4.43	0.023	3.67	0.019
37.92:1	max.	55.44	0.276	45.05	0.229
	min.	4.37	0.028	4.50	0.023
31:1	max.	66.51	0.338	55.10	0.280
	min.	6.65	0.034	5.51	0.028
25.28:1	max.	81.55	0.414	67.57	0.343
	min.	8.16	0.041	6.76	0.034

SITRANS Weighfeeders

SITRANS WW100

Ordering data

Selection and ordering data

SITRANS WW100

High accuracy solids weighfeeder for low capacity applications. Compact unit improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y73 for all models to specify design data

Frame and enclosure construction

Painted mild steel open style

304 stainless steel open style

316 stainless steel open style

Painted mild steel enclosed style with painted mild steel enclosure

304 stainless steel enclosed style with painted mild steel enclosure

304 stainless steel enclosed style with 304 stainless steel enclosure

316 stainless steel enclosed style with painted mild steel enclosure

316 stainless steel enclosed style with 304 stainless steel enclosure

316 stainless steel enclosed style with 316 stainless steel enclosure

Material containment construction

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch" for options A ... H

Shear gate inlet and skirtboards 304 stainless steel

Shear gate inlet and skirtboards 304 stainless steel with cover

Shear gate inlet and skirtboards 304 stainless steel, #4 polished

Shear gate inlet and skirtboards 304 stainless steel, #4 polished with cover

Shear gate inlet and skirtboards 316 stainless steel

Shear gate inlet and skirtboards 316 stainless steel with cover

Shear gate inlet and skirtboards 316 stainless steel, #4 polished

Shear gate inlet and skirtboards 316 stainless steel, #4 polished with cover

Horseshoe inlet 304 stainless steel¹⁾

Horseshoe inlet 304 stainless steel, #4 polished¹⁾

Horseshoe inlet 316 stainless steel¹⁾

Horseshoe inlet 316 stainless steel, #4 polished¹⁾

Load cell

10 kg (22 lb) nickel plated steel

15 kg (33 lb) nickel plated steel

20 kg (44 lb) nickel plated steel

30 kg (66 lb) nickel plated steel

6 kg (13.2 lb) stainless steel, hermetically sealed

12 kg (26.5 lb) stainless steel, hermetically sealed

30 kg (66.1 lb) stainless steel, hermetically sealed

Article No.

7MH7180-



0 A

0 B

0 D

1 A

1 B

1 D

1 G

1 J

1 M

A

B

C

D

E

F

G

H

J

K

L

M

0

1

2

3

4

5

6

SITRANS WW100

High accuracy solids weighfeeder for low capacity applications. Compact unit improves processing, increases efficiency and provides significant cost savings.

Speed sensor

500 PPR shaft mounted optical encoder

1 000 PPR shaft mounted optical encoder

2 500 PPR shaft mounted optical encoder

500 PPR shaft mounted optical encoder, stainless steel

1 000 PPR shaft mounted optical encoder, stainless steel

2 500 PPR shaft mounted optical encoder, stainless steel

Drive configuration

SINAMICS servo motor and drive

200 ... 240 V 1 ph²⁾

380 ... 480 V 3 ph²⁾

200 ... 240 V 1 ph, with 5 m (16.4 ft) communication and power cables

380 ... 480 V 3 ph, with 5 m (16.4 ft) communication and power cables

200 ... 240 V 1 ph, with 10 m (33 ft) communication and power cables

380 ... 480 V 3 ph, with 10 m (33 ft) communication and power cables

200 ... 240 V 1 ph, with 25 m (82 ft) communication and power cables

380 ... 480 V 3 ph, with 25 m (82 ft) communication and power cables

200 ... 240 V 1 ph, with 50 m (164 ft) communication and power cables

380 ... 480 V 3 ph, with 50 m (164 ft) communication and power cables

200 ... 240 V 1 ph, with 100 m (328 ft) communication and power cables

380 ... 480 V 3 ph, with 100 m (328 ft) communication and power cables

Standard AC motor without drive (Drive required for desired belt speed)

Add order code Y75 reduction ratio in plain text: "X:1" for options 6A ... 7B, see "Reduction Ratio Selection Table" on page 5/7.

220 ... 240/380 ... 480 V 3 ph 50/60 Hz AC

575 V 3 ph 60 Hz AC

Food grade epoxy coated AC motor without drive (Drive required for desired belt speed)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz AC epoxy coated gearmotor

575 V 3 ph 60 Hz AC epoxy coated gearmotor

Calibration Method

None

1 calibration chain strand 2.41 kg/m (1.62 lb/ft)

2 calibration chain strands 4.82 kg/m (3.24 lb/ft)

3 calibration chain strands 7.23 kg/m (4.86 lb/ft)

Belt change access side (looking from inlet to discharge)

Left hand

Right hand

Article No.

7MH7180-



0

1

2

3

4

5

0 A

0 B

1 A

1 B

2 A

2 B

3 A

3 B

4 A

4 B

5 A

5 B

6 A

6 B

7 A

7 B

A

B

C

D

0

1

Selection and ordering data	Order Code	Article No.
Further designs		
Please add "-Z" to article no. and specify order code(s).		2 500 PPR optical encoder ⁴⁾ 6FX2001-2PC50
Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch) ³⁾	Y74	500 PPR optical encoder 6FX2001-4QA50
Enter design units (TPH, MTPH, lb/h, kg/h)	Y71	1 000 PPR optical encoder 6FX2001-4QB00
Enter design speed (ft/m, m/s)	Y72	2 500 PPR optical encoder 6FX2001-4QC50
Enter design capacity/rate	Y73	Optical encoder connector 6FX2003-0SU12
AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).	Y75	Optical encoder connector with 20 ft (6 m) of cable ⁵⁾ 7MH7723-1KM
Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications ³⁾	G11	WW100 standard belt low capacity A5E30320090
Pointek CLS100 Capacitance switch for plugged discharge chute detection	G12	Optical encoder connector with 20 ft (6 m) of cable ⁶⁾ 7MH7723-1KD
Siemens start/stop, auto/manual, speed control, local operator station	G13	500 PPR optical encoder, stainless steel (connector included) 7MH7723-1HG
Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt	G14	1 000 PPR optical encoder, stainless steel (connector included) 7MH7723-1HH
Low weight belt for light loading, low rate applications (recommended for under 1 t/h). Thermo-plastic, 1 ply, anti-static, FDA, USDA approved	G15	2 500 PPR optical encoder, stainless steel (connector included) 7MH7723-1HJ
High temp belt for material temperatures above 82 °C (180 °F)	G17	1 calibration chain strand 2.41 kg/m (1.62 lb/ft) with mount and spacers (Corrosion resistant) 7MH7723-1HP
Manufacturer's test certificate: According to EN 10204-2.2	C11	2 calibration chain strands 4.82 kg/m (3.24 lb/ft) with mount and spacers (Corrosion resistant) 7MH7723-1HQ
Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text	Y15	3 calibration chain strands 7.23 kg/m (4.86 lb/ft) with mount and spacers (Corrosion resistant) 7MH7723-1HR
Discharge dust hood, painted mild steel with de-dust port ¹⁾	H50	S110 Control Unit 6SL3040-0JA00-0AA0
Discharge dust hood, 304 stainless steel with de-dust port ¹⁾	H51	S110 basic operator panel (BOP) 6SL3055-0AA00-4BA0
Discharge dust hood, 316 stainless steel with de-dust port ¹⁾	H52	S110 input choke 380...480 V AC 6SE6400-3CC00-2AD3
Custom design	Y99	S110 power module 200...240 V AC 1 ph 6SL321-01SB12-3UA0
Specify quote reference when ordering		S110 power module 380...480 V AC 3 ph 6SL321-01SE11-3UA0
Operating instructions	Article No.	S110 memory card 200...240 V AC 1 ph 7MH7723-1JH
• English	A5E33560618	S110 memory card 380...480 V AC 3 ph 7MH7723-1JJ
Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.		S110 power cable to servo gearmotor, 5 m (16.4 ft) 6FX5002-5CG01-1AF0
Spare parts		S110 communications cable to servo gearmotor, 5 m (16.4 ft) 6FX500-22DC10-1AF0
6 kg (13.2 lb) stainless steel load cell	7MH7725-1EG	S110 power cable to servo gearmotor, 10 m (32.8 ft) 6FX50-025CG01-1BA0
12 kg (26.4 lb) stainless steel load cell	7MH7725-1EH	S110 communications cable to servo gearmotor, 10 m (32.8 ft) 6FX500-22DC10-1BA0
30 kg (66.2 lb) stainless steel load cell	7MH7725-1EJ	S110 power cable to servo gearmotor, 25 m (82 ft) 6FX500-25CG01-1CF0
10 kg (22 lb) nickel plated steel load cell	7MH7725-1EK	S110 communications cable to servo gearmotor, 25 m (82 ft) 6FX500-22DC10-1CF0
15 kg (33.1 lb) nickel plated steel load cell	7MH7725-1EL	S110 power cable to servo gearmotor, 50 m (164 ft) 6FX500-25CG01-1FA0
20 kg (44 lb) nickel plated steel load cell	7MH7725-1EM	S110 communications cable to servo gearmotor, 50 m (164 ft) 6FX500-22DC10-1FA0
30 kg (66.2 lb) nickel plated steel load cell	7MH7725-1EN	S110 power cable to servo gearmotor, 100 m (328 ft) 6FX5002-5CG01-2AA0
500 PPR optical encoder ⁴⁾	6FX2001-2PA50	S110 communications cable to servo gearmotor, 100 m (328 ft) 6FX5002-2DC10-2AA0
1 000 PPR optical encoder ⁴⁾	6FX2001-2PB00	Servo gearmotor 1FK7032-5AK71-1UU7-Z E07 + G57 + H11 + Q90

SITRANS Weighfeeders

SITRANS WW100

Ordering data

Selection and ordering data	Article No.		Article No.
AC 220 ... 240/380 ... 480 V standard gearmotor ⁷⁾	A5E02796139	Further designs	
AC 575 V standard gearmotor ⁷⁾	A5E02798953	Please add "-Z" to article no. and specify order code(s).	
AC 220 ... 240/380 ... 480 V epoxy coated gearmotor ⁷⁾	A5E02798968	Termination box stainless steel	7MH7723-1NE
AC 575 V epoxy coated gearmotor ⁷⁾	A5E02798955	Bearing replacement kit mild steel (includes 1 tail bearing, 2 head bearings)	7MH7723-1HU
Belt	7MH7723-1JG	Bearing replacement kit stainless steel (includes 1 tail bearing, 2 head bearings)	7MH7723-1HV
Termination box mild steel	7MH7723-1ND	Belt contact replacement kit (includes 1 belt scraper blade, 2 belt plow blades, 2 belt guide rollers, 1 belt tension roller, belt skirtboard seal strips)	7MH7723-1HW
		Pulley replacement kit mild steel (includes 1 drive pulley, 1 driven pulley)	7MH7723-1HX
		Pulley replacement kit 304 stainless steel (includes 1 drive pulley, 1 driven pulley)	7MH7723-1HY
		Accessories	
		Start, Stop, Hand/Off/Auto, speed pot local operator station	7MH7723-1JA
		E-stop push button, enclosed style	3SB3801-0DF3
		24 V Power supply, 4 A	6EP1332-1SH52
		Power transformer 600 ... 480 V AC 3 ph	7MH7726-1AV
		Discharge dust hood mild steel for open style units only	7MH7723-1JB
		Discharge dust hood 304 stainless steel for open style units only	7MH7723-1JC
		Discharge dust hood 316 stainless steel for open style units only	7MH7723-1JD
		CLS100 plugged discharge chute retrofit kit (includes CLS100, material hood)	7MH7723-1JE
		Siemens, MM420, 0.75 HP 0.55 kW, 380 ... 480 V 3 ph 50/60 Hz	6SE6420-2UD15-5AA1
		Siemens, MM440, 0.75 HP 0.55 kW, 380 ... 480 V 3 ph 50/60 Hz	6SE6440-2UD15-5AA1
		Siemens, MM440, 1 HP 0.75 kW, 500 ... 600 V 3 ph 60 Hz	6SE6440-2UE17-5CA1
		Siemens, MM420/440, Bop keypad	6SE6400-0BP000AA1
		Siemens, G120, 0.75 HP 0.55 kW, 380 ... 480 V 3 ph	6SL3224-BE155UA0
		Siemens Control unit G120, STD RS 485	6SL3244-0BA10-0BA0
		VFC, Siemens, G120, Bop keypad	6SL3255-0AA00-4BA1

¹⁾ Available with Frame Construction options 0A ... 0D only.

²⁾ Communication and power cables required.

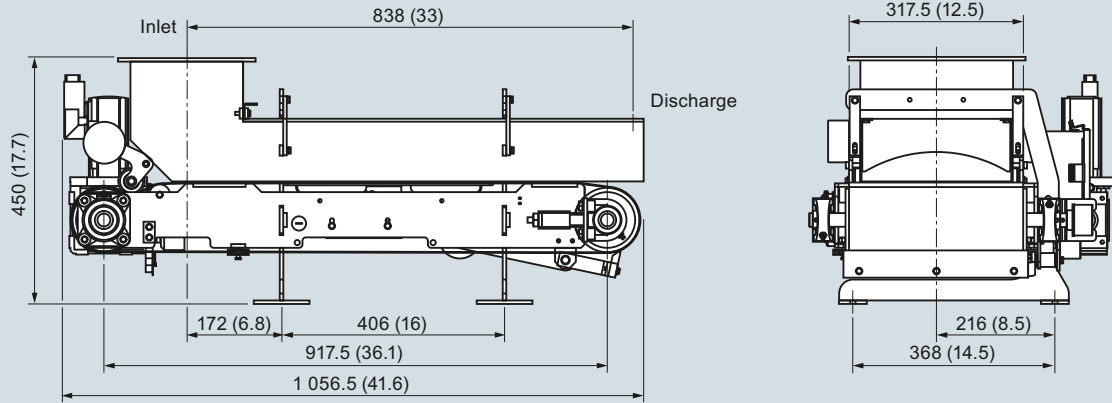
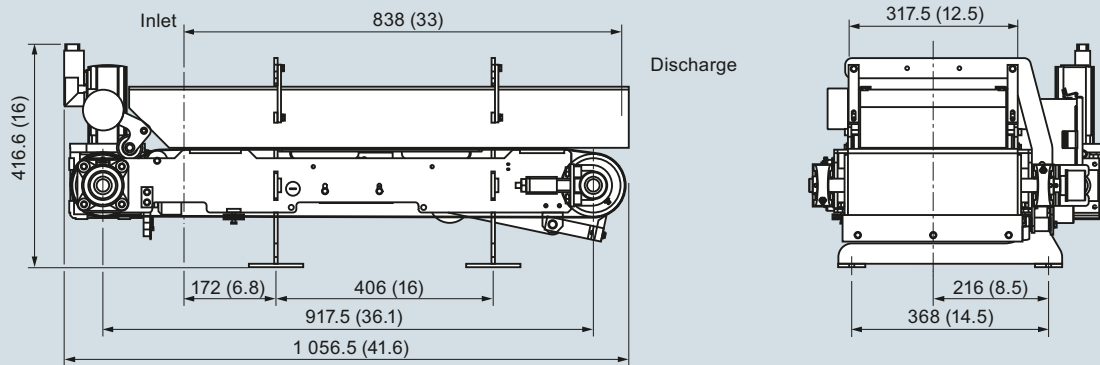
³⁾ Available with Material Containment options A ... H only.

⁴⁾ For use with 5 V DC supply from RS 422 circuit card.

⁵⁾ For use with PPR optical encoders: 6FX20012PA50, 6FX20012PB00, 6FX20012PC50.

⁶⁾ For use with PPR optical encoders: 6FX20014QA50, 6FX20014QB00, 6FX20014QC5.

⁷⁾ Specify Y75 reduction ratio on the order.

Dimensional drawings
Open Construction

Open Horseshoe Inlet


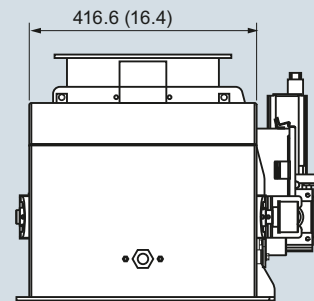
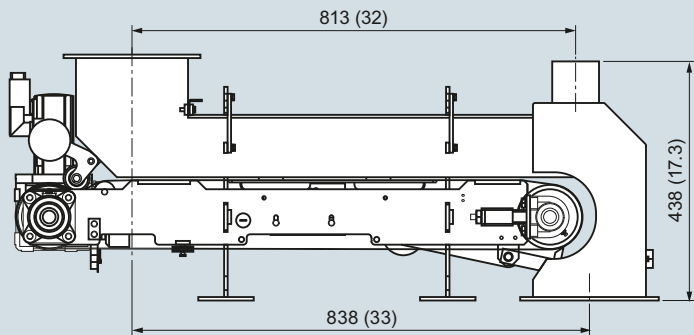
SITRANS WW100 dimensions in mm (inch)

SITRANS Weighfeeders

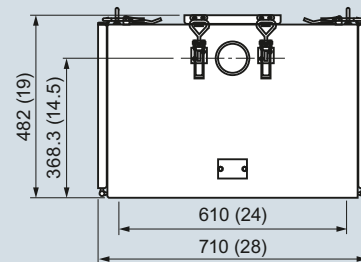
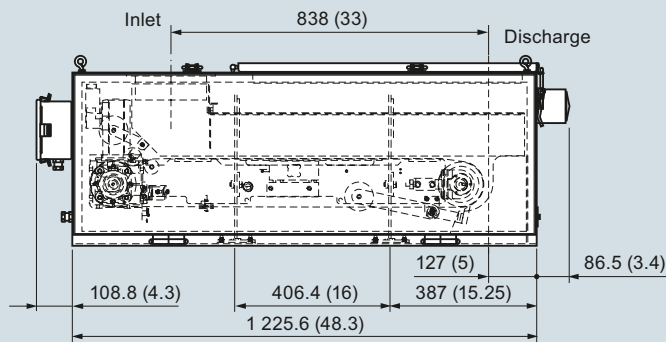
SITRANS WW100

Dimensional drawings and schematics

Open Dust Hood

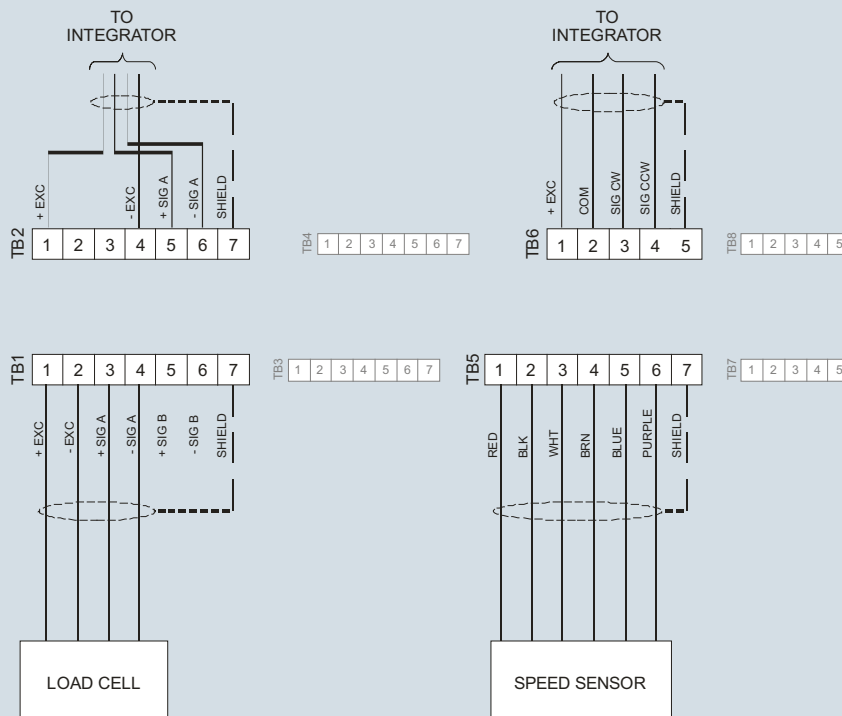


Enclosed Construction



SITRANS WW100 dimensions in mm (inch)

Schematics



SITRANS WW100 connections

Overview



SITRANS WW200 is a low-to-medium capacity weighfeeder used for minor ingredient additives.

Benefits

- High accuracy
- Ideal for low-to-medium capacity loads
- Fast installation, easy to clean and maintain
- Flexible, rugged design allows configurations to suit many applications
- Quick delivery on standard units
- Outboard mounted load cells with protective cover

Technical specifications

SITRANS WW200	
Mode of operation	
Measuring principle	Strain gauge load cells and digital speed sensor
Typical application	Control and monitor feed rates and blending of minerals or powdered additives into a process
Measuring accuracy	
Accuracy ¹⁾	± 0.5 % or better
Specified range	10 ... 100 % based on speed
Design rate range	0.45 ... 100 t/h (1 000 lb/h ... 110 STPH)
Max volumetric flow	220 m ³ /h (7 700 ft ³ /h)
Medium conditions	
Operating temperature	-10 ... +55 °C (14 ... 131 °F)
Material	
	Mild steel or stainless steel [304 (1.4301) or 316 (1.4401)], bead blast finish (1 ... 6 µm, 40 ... 240 µin)
Load cells	
Construction	17-4 PH (1.4568) stainless steel or nickel plated alloy steel
Degree of protection	• Stainless steel: IP68 • Nickel plated alloy steel: IP66
Excitation	10 V DC nominal, 15 V DC maximum
Output	2 mV/V
• Non-linearity	± 0.02 % of rated output
• Non-repeatability	± 0.01 % of rated output
Capacity	• Stainless steel range: 6, 12, 30 kg • Nickel-plated range: 10, 15, 20, 30, 50 kg
Overload	150 % of rated capacity

Application

SITRANS WW200 has been field tested and proven in hundreds of applications.

The unit can be customized to meet exact application needs. Stainless or mild steel units are available in open or enclosed styles. Custom lengths, belt types, inlet configurations, drives, and other options are available to meet your requirements.

The MS (mild steel) model is ideal for use with chemicals, powders, or any granular product in applications not requiring wash-down. The SD (sanitary duty) model is designed for the food industry where high pressure wash-down is required. It meets all USDA and FDA requirements.

Its cantilevered mechanical design provides for quick belt removal and easy maintenance. It is designed to eliminate material build-up, ensuring high accuracy and reliability. The unique weigh system reduces dead load and applies live load directly to two platform load cells. Load cells are externally mounted for easy access and maintenance.

Standard components include an anti-static food grade belt option, horizontal slider bars for self-cleaning and minimal product build up, belt tracking rollers, belt scraper, and plow for self-cleaning.

SITRANS WW200	
Temperature	• Operating range: -40 ... +65 °C (-40 ... +150 °F) • Compensated: -10 ... +40 °C (15 ... 105 °F)
Speed sensor	
Optical encoder output	RS 422 (TTL) 5 V DC, 150 mA max. 500, 1 000, or 2 000 ppr
Temperature	-10 ... +70 °C (14 ... 158 °F)
Degree of protection	• Standard: IP64 • Stainless steel: IP66
C-flange mounted magnetic pulse generator output	Open collector, NPN, sinking output, max. 17 mA, 60 ppr
Temperature	-40 ... +105 °C (-40 ... +220 °F)
Degree of protection	IP67
Belt tracking switch	
Aluminum spring rod (un-wired)	• 1 NO, 1 NC switch blocks • Rated operating voltage 600 V AC max.
Temperature	-30 ... +85 °C (-22 ... +185 °F)
Degree of protection	IP67
Framework	• Precision machined, stainless [304 (1.4301) or 316 (1.4401)] or mild steel • Cantilevered design for easy belt replacement
Pulleys	152 mm (6 inch) diameter with 6 mm (¼ inch) neoprene lagging
Belt speed	0.005 ... 0.36 m/s (1 ... 70 fpm)
Belt support	Edge of flat bar eliminates material buildup
Bearings	
	• 2-bolt flange mount on drive pulley • 2-bolt threaded base pillow block on driven pulley

SITRANS Weighfeeders

SITRANS WW200

Introduction

SITRANS WW200	
Belting	• Static control with vulcanized endless finger splice for maximum weighing consistency (standard) • Maximum rated material temperature 82 °C (180 °F) • Silicone HT belt rated for max. material temp. of 177 °C (350 °F) • Nitrile belt rated for a max. material temp. of 121 °C (250 °F)
Belt tension	Screw type, telescoper module with 150 mm (6 inch) travel - mild or stainless steel 304 (1.4301)
Belt cleaning	• UHMW blade type with spring tensioning at head pulley • Return plow • Cleaning brush, optional
Drive motor	AC, TEFC, 10:1 CT inverter duty, drive motor with direct coupled flange mounted hollow bore CAF48 gear reducer , 1.2 service factor min.
Shipping weight	280 kg (600 lb) minimum
Approvals	• Stainless steel options meet USDA and FDA requirements for food processing • CE on all electrical components Hazardous approvals per configuration options Note: Weighfeeder as a whole is not approved for hazardous locations only electrical components.

¹⁾ Accuracy subject to: On factory approved installations the weigh feeder system's totalized weight will be within the specified accuracy when compared to a known weighed material test sample.
The test rate must be within the specified range of the design capacity and held constant for the duration of the test.
The minimum material test sample must be equivalent to a sample obtained at the test flow rate for three revolutions of the belt or at least ten minutes running time, whichever is greater.

Reduction ratio selection table

Reduction (X:1)	Speed	60 Hz fpm	50 Hz fpm	60 Hz m/s	50 Hz m/s
1059:1	max. min.	2.89 0.29	2.41 0.24	0.015 0.002	0.012 0.001
937:1	max. min.	3.27 0.33	2.72 0.27	0.017 0.002	0.014 0.001
865:1	max. min.	3.54 0.35	2.95 0.30	0.018 0.002	0.015 0.002
745:1	max. min.	4.11 0.41	3.43 0.34	0.021 0.002	0.017 0.002
677:1	max. min.	4.52 0.45	3.77 0.38	0.023 0.002	0.019 0.002
615:1	max. min.	4.98 0.50	4.15 0.42	0.025 0.003	0.021 0.002
558:1	max. min.	5.49 0.55	4.57 0.46	0.028 0.003	0.023 0.002
508:1	max. min.	6.03 0.60	5.02 0.50	0.031 0.003	0.026 0.003
449:1	max. min.	6.82 0.68	5.68 0.57	0.035 0.004	0.029 0.003
414:1	max. min.	7.40 0.74	6.17 0.62	0.038 0.004	0.031 0.003
357:1	max. min.	8.58 0.86	7.15 0.72	0.044 0.004	0.036 0.004
324:1	max. min.	9.45 0.95	7.88 0.79	0.048 0.005	0.040 0.004
320.67:1	max. min.	9.55 0.96	7.96 0.80	0.049 0.005	0.040 0.004
284.7:1	max. min.	10.76 1.08	8.97 0.90	0.055 0.006	0.046 0.005
249.6:1	max. min.	12.27 1.23	10.23 1.02	0.062 0.006	0.052 0.005
223.36:1	max. min.	13.71 1.37	11.43 1.14	0.070 0.007	0.058 0.006
198.25:1	max. min.	15.45 1.55	12.88 1.29	0.079 0.008	0.065 0.007
173.73:1	max. min.	17.63 1.76	14.69 1.47	0.090 0.009	0.075 0.008
152.75:1	max. min.	20.05 2.01	16.71 1.67	0.102 0.010	0.085 0.009
138:1	max. min.	22.20 2.22	18.50 1.85	0.113 0.011	0.094 0.009
120.25:1	max. min.	25.47 2.55	21.23 2.12	0.130 0.013	0.108 0.011
108:1	max. min.	28.36 2.84	23.63 2.36	0.144 0.014	0.120 0.012
97.5:1	max. min.	31.42 3.14	26.18 2.62	0.160 0.016	0.133 0.013
88.4:1	max. min.	34.65 3.47	28.87 2.89	0.176 0.018	0.147 0.015
80.44:1	max. min.	38.08 3.81	31.73 3.17	0.193 0.019	0.161 0.016
71.12:1	max. min.	43.07 4.31	35.89 3.59	0.219 0.022	0.182 0.018
65.68:1	max. min.	46.64 4.66	38.86 3.89	0.237 0.024	0.197 0.020
56.55:1	max. min.	54.17 5.42	45.14 4.51	0.275 0.028	0.229 0.023
51.41:1	max. min.	59.58 5.96	49.65 4.97	0.303 0.030	0.252 0.025
46.93:1	max. min.	65.27 6.53	54.39 5.44	0.332 0.033	0.276 0.028
42:1	max. min.	72.93 7.29	60.77 6.08	0.371 0.037	0.309 0.031
37.28:1	max. min.	82.16 8.22	68.47 6.85	0.417 0.042	0.348 0.035

SITRANS Weighfeeders**SITRANS WW200****Open style****Selection and ordering data**

Article No.

Article No.

SITRANS WW200, open style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y73 for all models to specify design data

Painted mild steel, open style, with C/L infeed to C/L discharge12 inch (305 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

18 inch (457 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

24 inch (610 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

30 inch (762 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

7MH7300-

0 A

0 B

0 C

0 D

0 E

0 F

0 G

0 H

0 J

1 A

1 B

1 C

1 D

1 E

1 F

1 G

1 H

1 J

2 A

2 B

2 C

2 D

2 E

2 F

2 G

2 H

2 J

3 A

3 B

3 C

3 D

3 E

3 F

3 G

3 H

3 J

SITRANS WW200, open style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

36 inch (914 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

42 inch (1 067 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

48 inch (1 219 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

7MH7300-

4 A

4 B

4 C

4 D

4 E

4 F

4 G

4 H

4 J

5 A

5 B

5 C

5 D

5 E

5 F

5 G

5 H

5 J

6 A

6 B

6 C

6 D

6 E

6 F

6 G

6 H

6 J

Selection and ordering data		Article No.	
SITRANS WW200, open style	7MH7300-	SITRANS WW200, open style	7MH7300-
High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.		High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.	
Material containment construction		Drive configuration	
None	A	Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info.	
Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch" for options B ... L		<u>Standard AC motor</u>	
<u>Shear gate inlet</u>		0.25 HP (0.19 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	0 A
Skirtboards AR400 steel	B	0.25 HP (0.19 kW) 575 V 3 ph 60 Hz	0 B
Skirtboards AR400 steel with cover	C	0.5 HP (0.37 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	0 C
Skirtboards 304 stainless steel	D	0.5 HP (0.37 kW) 575 V 3 ph 60 Hz	0 D
Skirtboards 304 stainless steel, with cover	E	0.75 HP (0.56 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	0 E
Skirtboards 304 stainless steel, #4 polished	F	0.75 HP (0.56 kW) 575 V 3 ph 60 Hz	0 F
Skirtboards 304 stainless steel, #4 polished with cover	G	1 HP (0.75 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	0 G
Skirtboards 316 stainless steel	H	1 HP (0.75 kW) 575 V 3 ph 60 Hz	0 H
Skirtboards 316 stainless steel, with cover	J	<u>Food grade epoxy coated AC motor</u>	
Skirtboards 316 stainless steel, #4 polished	K	0.25 HP (0.19 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 A
Skirtboards 316 stainless steel, #4 polished with cover	L	0.25 HP (0.19 kW) 575 V 3 ph 60 Hz	1 B
<u>Horseshoe inlet</u>		0.5 HP (0.37 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 C
304 stainless steel	M	0.5 HP (0.37 kW) 575 V 3 ph 60 Hz	1 D
304 stainless steel, #4 polished	N	1 HP (0.75 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 E
316 stainless steel	P	1 HP (0.75 kW) 575 V 3 ph 60 Hz	1 F
316 stainless steel, #4 polished	Q	<u>Stainless steel AC motor</u>	
Load cell		0.33 HP (0.25 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	2 A
<u>Nickel plated steel</u>		0.5 HP (0.37 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	2 C
10 kg (22 lb)	0	1 HP (0.75 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	2 E
15 kg (33 lb)	1	Belting	
20 kg (44 lb)	2	<u>Polyurethane anti static 57 PIW</u>	
30 kg (66 lb)	3	2 ply FDA/USDA approved	A
50 kg (110 lb)	4	2 ply with B-section flange walls FDA/USDA approved	B
<u>Stainless steel, hermetically sealed</u>		2 ply with 2 inch (50 mm) corrugated side walls FDA/USDA approved	C
6 kg (13.2 lb)	5	<u>Silicone anti static 45 PIW</u>	
12 kg (26.5 lb)	6	2 ply FDA/USDA approved HT 177 °C (350 °F)	D
30 kg (66.1 lb)	7	<u>Nitrile 135 PIW</u>	
Speed sensor		3 ply	G
<u>Shaft mounted</u>		3 ply with B-section flange walls	H
500 PPR optical encoder	0	3 ply with 2 inch (50 mm) corrugated side walls	J
1 000 PPR optical encoder	1	Belt change access side (looking from inlet to discharge)	
2 500 PPR optical encoder	2	Left hand	0
500 PPR optical encoder, stainless steel	3	Right hand	1
1 000 PPR optical encoder, stainless steel	4		
2 500 PPR optical encoder, stainless steel	5		
<u>Motor mounted</u>			
60 PPR magnetic p/u	6		

SITRANS Weighfeeders**SITRANS WW200****Open style****Selection and ordering data****Order Code****Article No.****Further designs**

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)¹⁾

Enter design units (TPH, MTPH, lb/h, kg/h)

Enter design speed (ft/m, m/s)

Enter design capacity/rate

AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).

Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components

Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E²⁾

ATEX II 2D approved electrical components

Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E³⁾

Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications¹⁾

Pointek CLS100
Capacitance switch for plugged discharge chute detection

Siemens start/stop, auto/manual, speed control, hand held operator

Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 5 only)

Manufacturer's test certificate: According to EN 10204-2.2

Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]:
Measuring-point number/identification
(max. 27 characters) specify in plain text

Discharge dust hood, painted mild steel with de-dust port

Discharge dust hood, 304 stainless steel with de-dust port

Discharge dust hood, 316 stainless steel with de-dust port

Custom design

Specify quote reference when ordering

Operating instructions

- English

Note:

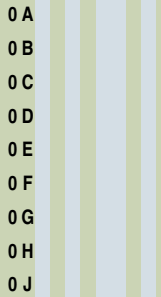
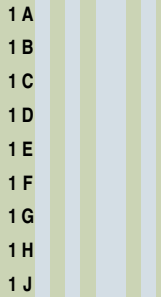
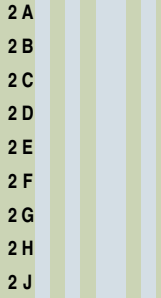
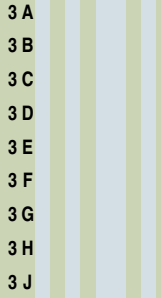
The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

A5E33560618

¹⁾ Available with material containment options B ... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with drive configuration standard motor options only, all motors suitable for 400 V operation only.

Selection and ordering data		Article No.	Article No.
SITRANS WW200, open style High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings. Add order code Y71 ... Y73 for all models to specify design data	7MH7301- 	SITRANS WW200, open style High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.	
		7MH7301- 	
304 stainless steel, open style, with C/L infeed to C/L discharge <u>12 inch (305 mm) belt width</u> 52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)		<u>36 inch (914 mm) belt width</u> 52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)	
		<u>42 inch (1 067 mm) belt width</u> 52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)	
<u>18 inch (457 mm) belt width</u> 52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)		<u>48 inch (1 219 mm) belt width</u> 52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)	
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<u>24 inch (610 mm) belt width</u> 52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)		52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)	
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<u>30 inch (762 mm) belt width</u> 52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)		52 inch (1 321 mm) 60 inch (1 524 mm) 68 inch (1 727 mm) 76 inch (1 930 mm) 84 inch (2 134 mm) 92 inch (2 337 mm) 100 inch (2 540 mm) 108 inch (2 743 mm) 116 inch (2 946 mm)	
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SITRANS Weighfeeders

SITRANS WW200

Open style

Selection and ordering data

Article No.

Article No.

SITRANS WW200, open style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Material containment construction

None

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX" for options D ... L

Shear gate inlet

Skirtboards 304 stainless steel

Skirtboards 304 stainless steel, with cover

Skirtboards 304 stainless steel, #4 polished

Skirtboards 304 stainless steel, #4 polished with cover

Skirtboards 316 stainless steel

Skirtboards 316 stainless steel, with cover

Skirtboards 316 stainless steel, #4 polished

Skirtboards 316 stainless steel, #4 polished with cover

Horseshoe inlet

304 stainless steel

304 stainless steel, #4 polished

316 stainless steel

316 stainless steel, #4 polished

Load cell

6 kg (13.2 lb) stainless steel, hermetically sealed

12 kg (26.5 lb) stainless steel, hermetically sealed

30 kg (66.1 lb) stainless steel, hermetically sealed

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

500 PPR optical encoder, stainless steel

1 000 PPR optical encoder, stainless steel

2 500 PPR optical encoder, stainless steel

Motor mounted

60 PPR magnetic p/u

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info.

Standard AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

7MH7301-

A

D

E

F

G

H

J

K

L

M

N

P

Q

5

6

7

0

1

2

3

4

5

6

0 A

0 B

0 C

0 D

0 E

0 F

0 G

0 H

SITRANS WW200, open style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Food grade epoxy coated AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

Stainless steel AC motor

0.33 HP (0.25 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting

Polyurethane anti static 57 PIW

2 ply FDA/USDA approved

2 ply with B-section flange walls
FDA/USDA approved2 ply with 2 inch (50 mm) corrugated side walls
FDA/USDA approved

Silicone anti static 45 PIW

2 ply FDA/USDA approved HT 177 °C (350 °F)

Belt change access side (looking from inlet to discharge)

Left hand

Right hand

7MH7301-

1 A

1 B

1 C

1 D

1 E

1 F

2 A

2 C

2 E

A

B

C

D

0

1

Selection and ordering data	Order Code	Article No.
Further designs Please add "-Z" to article no. and specify order code(s).		A5E33560654 Operating instructions • English Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.
Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)	Y74	
Enter design units (TPH, MTPH, lb/h, kg/h)	Y71	
Enter design speed (ft/m, m/s)	Y72	
Enter design capacity/rate	Y73	
AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).	Y75	
Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)	Y01	
Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E ²⁾	E90	
ATEX II 2D approved electrical components Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E ³⁾	E91	
Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications ¹⁾	G11	
Pointek CLS100 Capacitance switch for plugged discharge chute detection	G12	
Siemens start/stop, auto/manual, speed control, hand held operator	G13	
Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt	G14	
Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (Available with speed sensor options 0 ... 5 only)	G16	
Manufacturer's test certificate: According to EN 10204-2.2	C11	
Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text	Y15	
Discharge dust hood, painted mild steel with de-dust port	H50	
Discharge dust hood, 304 stainless steel with de-dust port	H51	
Discharge dust hood, 316 stainless steel with de-dust port	H52	
Custom design Specify quote reference when ordering	Y99	

¹⁾ Available with material containment options D ... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with Drive Configuration standard motor options only, all motors suitable for 400 V operation only.

SITRANS Weighfeeders

SITRANS WW200

Open style

Selection and ordering data

Article No.

Article No.

SITRANS WW200, open style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y73 for all models to specify design data

316 stainless steel, open style, with C/L infeed to C/L discharge

12 inch (305 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

18 inch (457 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

24 inch (610 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

30 inch (762 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

7MH7302-

0 A

0 B

0 C

0 D

0 E

0 F

0 G

0 H

0 J

1 A

1 B

1 C

1 D

1 E

1 F

1 G

1 H

1 J

2 A

2 B

2 C

2 D

2 E

2 F

2 G

2 H

2 J

3 A

3 B

3 C

3 D

3 E

3 F

3 G

3 H

3 J

SITRANS WW200, open style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

36 inch (914 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

42 inch (1 067 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

48 inch (1 219 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

7MH7302-

4 A

4 B

4 C

4 D

4 E

4 F

4 G

4 H

4 J

5 A

5 B

5 C

5 D

5 E

5 F

5 G

5 H

5 J

6 A

6 B

6 C

6 D

6 E

6 F

6 G

6 H

6 J

Selection and ordering data		Article No.	
SITRANS WW200, open style High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7302- - - - - -	SITRANS WW200, open style High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7302- - - - - -
Material containment construction		Stainless steel AC motor	
None	A	0.33 HP (0.25 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	2 A
Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch" for options H ... L		0.5 HP (0.37 kW)	2 C
<u>Shear gate inlet</u>		1 HP (0.75 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	2 E
Skirtboards 316 stainless steel	H		
Skirtboards 316 stainless steel, with cover	J	Belting	
Skirtboards 316 stainless steel, #4 polished	K	<u>Polyurethane anti static 57 PIW</u>	
Skirtboards 316 stainless steel, #4 polished with cover	L	2 ply FDA/USDA approved	A
<u>Horseshoe inlet</u>		2 ply with B-section flange walls FDA/USDA approved	B
316 stainless steel	P	2 ply with 2 inch (50 mm) corrugated side walls FDA/USDA approved	C
316 stainless steel, #4 polished	Q	<u>Silicone anti static 45 PIW</u>	
Load cell		2 ply FDA/USDA approved HT 177 °C (350 °F)	D
6 kg (13.2 lb) stainless steel, hermetically sealed	5	Belt change access side (looking from inlet to discharge)	
12 kg (26.5 lb) stainless steel, hermetically sealed	6	Left hand	0
30 kg (66.1 lb) stainless steel, hermetically sealed	7	Right hand	1
Speed sensor			
<u>Shaft mounted</u>			
500 PPR optical encoder	0		
1 000 PPR optical encoder	1		
2 500 PPR optical encoder	2		
500 PPR optical encoder, stainless steel	3		
1 000 PPR optical encoder, stainless steel	4		
2 500 PPR optical encoder, stainless steel	5		
<u>Motor mounted</u>			
60 PPR magnetic p/u	6		
Drive configuration			
Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info.			
<u>Standard AC motor</u>			
0.25 HP (0.19 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	0 A		
0.25 HP (0.19 kW) 575 V 3 ph 60 Hz	0 B		
0.5 HP (0.37 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	0 C		
0.5 HP (0.37 kW) 575 V 3 ph 60 Hz	0 D		
0.75 HP (0.56 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	0 E		
0.75 HP (0.56 kW) 575 V 3 ph 60 Hz	0 F		
1 HP (0.75 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	0 G		
1 HP (0.75 kW) 575 V 3 ph 60 Hz	0 H		
<u>Food grade epoxy coated AC motor</u>			
0.25 HP (0.19 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 A		
0.25 HP (0.19 kW) 575 V 3 ph 60 Hz	1 B		
0.5 HP (0.37 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 C		
0.5 HP (0.37 kW) 575 V 3 ph 60 Hz	1 D		
1 HP (0.75 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 E		
1 HP (0.75 kW) 575 V 3 ph 60 Hz	1 F		

SITRANS Weighfeeders

SITRANS WW200

Open style

Selection and ordering data

Order Code

Article No.

Further designs

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)¹⁾

Enter design units (TPH, MTPH, lb/h, kg/h)

Enter design speed (ft/m, m/s)

Enter design capacity/rate

AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).

Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components

Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E²⁾

ATEX II 2D approved electrical components

Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E³⁾

Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications¹⁾

Pointek CLS100 Capacitance switch for plugged discharge chute detection

Siemens start/stop, auto/manual, speed control, hand held operator

Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 5 only)

Manufacturer's test certificate: According to EN 10204-2.2

Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text

Discharge dust hood, painted mild steel with de-dust port

Discharge dust hood, 304 stainless steel with de-dust port

Discharge dust hood, 316 stainless steel with de-dust port

Custom design

Specify quote reference when ordering

Operating instructions

- English

Note:

The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

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¹⁾ Available with material containment options D... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with Drive Configuration standard motor options only, all motors suitable for 400 V operation only.

Selection and ordering data		Article No.	Article No.
SITRANS WW200, enclosed style		7MH7303-	7MH7303-
High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.			
Add order code Y71 ... Y73 for all models to specify design data			
Painted mild steel frame with painted mild steel enclosure style with C/L infeed to C/L discharge			
<u>12 inch (305 mm) belt width</u>			
52 inch (1 321 mm)	0 A	52 inch (1 321 mm)	4 A
60 inch (1 524 mm)	0 B	60 inch (1 524 mm)	4 B
68 inch (1 727 mm)	0 C	68 inch (1 727 mm)	4 C
76 inch (1 930 mm)	0 D	76 inch (1 930 mm)	4 D
84 inch (2 134 mm)	0 E	84 inch (2 134 mm)	4 E
92 inch (2 337 mm)	0 F	92 inch (2 337 mm)	4 F
100 inch (2 540 mm)	0 G	100 inch (2 540 mm)	4 G
108 inch (2 743 mm)	0 H	108 inch (2 743 mm)	4 H
116 inch (2 946 mm)	0 J	116 inch (2 946 mm)	4 J
<u>18 inch (457 mm) belt width</u>			
52 inch (1 321 mm)	1 A	52 inch (1 321 mm)	5 A
60 inch (1 524 mm)	1 B	60 inch (1 524 mm)	5 B
68 inch (1 727 mm)	1 C	68 inch (1 727 mm)	5 C
76 inch (1 930 mm)	1 D	76 inch (1 930 mm)	5 D
84 inch (2 134 mm)	1 E	84 inch (2 134 mm)	5 E
92 inch (2 337 mm)	1 F	92 inch (2 337 mm)	5 F
100 inch (2 540 mm)	1 G	100 inch (2 540 mm)	5 G
108 inch (2 743 mm)	1 H	108 inch (2 743 mm)	5 H
116 inch (2 946 mm)	1 J	116 inch (2 946 mm)	5 J
<u>24 inch (610 mm) belt width</u>			
52 inch (1 321 mm)	2 A	52 inch (1 321 mm)	6 A
60 inch (1 524 mm)	2 B	60 inch (1 524 mm)	6 B
68 inch (1 727 mm)	2 C	68 inch (1 727 mm)	6 C
76 inch (1 930 mm)	2 D	76 inch (1 930 mm)	6 D
84 inch (2 134 mm)	2 E	84 inch (2 134 mm)	6 E
92 inch (2 337 mm)	2 F	92 inch (2 337 mm)	6 F
100 inch (2 540 mm)	2 G	100 inch (2 540 mm)	6 G
108 inch (2 743 mm)	2 H	108 inch (2 743 mm)	6 H
116 inch (2 946 mm)	2 J	116 inch (2 946 mm)	6 J
<u>30 inch (762 mm) belt width</u>			
52 inch (1 321 mm)	3 A		
60 inch (1 524 mm)	3 B		
68 inch (1 727 mm)	3 C		
76 inch (1 930 mm)	3 D		
84 inch (2 134 mm)	3 E		
92 inch (2 337 mm)	3 F		
100 inch (2 540 mm)	3 G		
108 inch (2 743 mm)	3 H		

SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

Article No.

Article No.

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Material containment construction

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch" for options B ... L

Shear gate inlet

Skirtboards AR400 steel

Skirtboards AR400 steel with cover

Skirtboards 304 stainless steel

Skirtboards 304 stainless steel, with cover

Skirtboards 304 stainless steel, #4 polished

Skirtboards 304 stainless steel, #4 polished with cover

Skirtboards 316 stainless steel

Skirtboards 316 stainless steel, with cover

Skirtboards 316 stainless steel, #4 polished

Skirtboards 316 stainless steel, #4 polished with cover

Load cell

Nickel plated steel

10 kg (22 lb)

15 kg (33 lb)

20 kg (44 lb)

30 kg (66 lb)

50 kg (110 lb)

Stainless steel

6 kg (13.2 lb) hermetically sealed

12 kg (26.5 lb) hermetically sealed

30 kg (66.1 lb) hermetically sealed

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

500 PPR optical encoder, stainless steel

1 000 PPR optical encoder, stainless steel

2 500 PPR optical encoder, stainless steel

Motor mounted

60 PPR motor mounted magnetic p/u

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SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info.

Standard AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

Food grade epoxy coated AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

Stainless steel AC motor

0.33 HP (0.25 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting

Polyurethane anti static 57 PIW

2 ply FDA/USDA approved

2 ply with B-section flange walls
FDA/USDA approved

2 ply with 2 inch (50 mm) corrugated side walls
FDA/USDA approved

Silicone anti static 45 PIW

2 ply FDA/USDA approved HT 177 °C (350 °F)

Nitrile 135 PIW

3 ply

3 ply with B-section flange walls

3 ply with 2 inch (50 mm) corrugated side walls

Belt change access side (looking from inlet to discharge)

Left hand

Right hand

7MH7303-

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Selection and ordering data	Order Code	Article No.
Further designs		
Please add "-Z" to article no. and specify order code(s).		
Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch) ¹⁾	Y74	A5E33560654 Operating instructions • English Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.
Enter design units (TPH, MTPH, lb/h, kg/h)	Y71	
Enter design speed (ft/m, m/s)	Y72	
Enter design capacity/rate	Y73	
AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).	Y75	
Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)	Y01	
Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components	E90	
Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E ²⁾		
ATEX II 2D approved electrical components	E91	
Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E ³⁾		
Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications ¹⁾	G11	
Pointek CLS100 Capacitance switch for plugged discharge chute detection	G12	
Siemens start/stop, auto/manual, speed control, hand held operator	G13	
Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt	G14	
Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (Available with speed sensor options 0 ... 5 only)	G16	
Manufacturer's test certificate: According to EN 10204-2.2	C11	
Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text	Y15	
Custom design	Y99	
Specify quote reference when ordering		

¹⁾ Available with material containment options D... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with Drive Configuration standard motor options only, all motors suitable for 400 V operation only.

SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y73 for all models to specify design data

304 stainless steel frame with painted mild steel enclosure style with C/L infeed to C/L discharge

12 inch (305 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
184 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

Article No.

7MH7304-



0 A
0 B
0 C
0 D
0 E
0 F
0 G
0 H
0 J

18 inch (457 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

1 A
1 B
1 C
1 D
1 E
1 F
1 G
1 H
1 J

24 inch (610 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

2 A
2 B
2 C
2 D
2 E
2 F
2 G
2 H
2 J

30 inch (762 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

3 A
3 B
3 C
3 D
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3 F
3 G
3 H
3 J

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

36 inch (914 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

Article No.

7MH7304-



4 A
4 B
4 C
4 D
4 E
4 F
4 G
4 H
4 J

42 inch (1 067 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

5 A
5 B
5 C
5 D
5 E
5 F
5 G
5 H
5 J

48 inch (1 219 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

6 A
6 B
6 C
6 D
6 E
6 F
6 G
6 H
6 J

SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

Article No.

Article No.

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Material containment construction

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch" for options D ... L

Shear gate inlet

Skirtboards AR400 steel

Skirtboards AR400 steel with cover

Skirtboards 304 stainless steel

Skirtboards 304 stainless steel, with cover

Skirtboards 304 stainless steel, #4 polished

Skirtboards 304 stainless steel, #4 polished with cover

Skirtboards 316 stainless steel

Skirtboards 316 stainless steel, with cover

Skirtboards 316 stainless steel, #4 polished

Skirtboards 316 stainless steel, #4 polished with cover

Load cell

6 kg (13.2 lb) stainless steel, hermetically sealed

12 kg (26.5 lb) stainless steel, hermetically sealed

30 kg (66.1 lb) stainless steel, hermetically sealed

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

500 PPR optical encoder, stainless steel

1 000 PPR optical encoder, stainless steel

2 500 PPR optical encoder, stainless steel

Motor mounted

60 PPR magnetic p/u

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info

Standard AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

7MH7304-

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SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Food grade epoxy coated AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

Stainless steel AC motor

0.33 HP (0.25 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting

Polyurethane anti static 57 PIW, 2 ply
FDA/USDA approved

Polyurethane anti static 57 PIW, 2 ply with B-section
flange walls FDA/USDA approved

Polyurethane anti static 57 PIW, 2 ply with 2 inch
(50 mm) corrugated side walls
FDA/USDA approved

Silicone anti static 45 PIW, 2 ply
FDA/USDA approved HT 177 °C (350 °F)

Belt change access side

(looking from inlet to discharge)

Left hand

Right hand

7MH7304-

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SITRANS Weighfeeders**SITRANS WW200****Enclosed style****Selection and ordering data****Order Code****Article No.****Further designs**

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)¹⁾

Y74

Enter design units (TPH, MTPH, lb/h, kg/h)

Y71

Enter design speed (ft/m, m/s)

Y72

Enter design capacity/rate

Y73

AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).

Y75

Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Y01

Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components

E90

Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E²⁾

ATEX II 2D approved electrical components

E91

Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E³⁾

Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications¹⁾

G11

Pointek CLS100 Capacitance switch for plugged discharge chute detection

G12

Siemens start/stop, auto/manual, speed control, hand held operator

G13

Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt

G14

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 5 only)

G16

Manufacturer's test certificate: According to EN 10204-2.2

C11

Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text

Y15

Custom design

Y99

Specify quote reference when ordering

Operating instructions

- English

A5E33560654

Note:

The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

¹⁾ Available with material containment options B... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with Drive Configuration standard motor options only, all motors suitable for 400 V operation only.

Selection and ordering data		Article No.		Article No.
SITRANS WW200, enclosed style		7MH7305-		7MH7305-
High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.				
Add order code Y71 ... Y73 for all models to specify design data				
304 stainless steel frame with 304 stainless steel enclosure style with C/L infeed to C/L discharge				
<u>12 inch (305 mm) belt width</u>				
52 inch (1 321 mm)	0 A			4 A
60 inch (1 524 mm)	0 B			4 B
68 inch (1 727 mm)	0 C			4 C
76 inch (1 930 mm)	0 D			4 D
84 inch (2 134 mm)	0 E			4 E
92 inch (2 337 mm)	0 F			4 F
100 inch (2 540 mm)	0 G			4 G
108 inch (2 743 mm)	0 H			4 H
116 inch (2 946 mm)	0 J			4 J
<u>18 inch (457 mm) belt width</u>				
52 inch (1 321 mm)	1 A			5 A
60 inch (1 524 mm)	1 B			5 B
68 inch (1 727 mm)	1 C			5 C
76 inch (1 930 mm)	1 D			5 D
84 inch (2 134 mm)	1 E			5 E
92 inch (2 337 mm)	1 F			5 F
100 inch (2 540 mm)	1 G			5 G
108 inch (2 743 mm)	1 H			5 H
116 inch (2 946 mm)	1 J			5 J
<u>24 inch (610 mm) belt width</u>				
52 inch (1 321 mm)	2 A			6 A
60 inch (1 524 mm)	2 B			6 B
68 inch (1 727 mm)	2 C			6 C
76 inch (1 930 mm)	2 D			6 D
84 inch (2 134 mm)	2 E			6 E
92 inch (2 337 mm)	2 F			6 F
100 inch (2 540 mm)	2 G			6 G
108 inch (2 743 mm)	2 H			6 H
116 inch (2 946 mm)	2 J			6 J
<u>30 inch (762 mm) belt width</u>				
52 inch (1 321 mm)	3 A			
60 inch (1 524 mm)	3 B			
68 inch (1 727 mm)	3 C			
76 inch (1 930 mm)	3 D			
84 inch (2 134 mm)	3 E			
92 inch (2 337 mm)	3 F			
100 inch (2 540 mm)	3 G			
108 inch (2 743 mm)	3 H			
116 inch (2 946 mm)	3 J			
SITRANS WW200, enclosed style				
High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.				
<u>36 inch (914 mm) belt width</u>				
52 inch (1 321 mm)				
60 inch (1 524 mm)				
68 inch (1 727 mm)				
76 inch (1 930 mm)				
84 inch (2 134 mm)				
92 inch (2 337 mm)				
100 inch (2 540 mm)				
108 inch (2 743 mm)				
116 inch (2 946 mm)				
<u>42 inch (1 067 mm) belt width</u>				
52 inch (1 321 mm)				
60 inch (1 524 mm)				
68 inch (1 727 mm)				
76 inch (1 930 mm)				
84 inch (2 134 mm)				
92 inch (2 337 mm)				
100 inch (2 540 mm)				
108 inch (2 743 mm)				
116 inch (2 946 mm)				
<u>48 inch (1 219 mm) belt width</u>				
52 inch (1 321 mm)				
60 inch (1 524 mm)				
68 inch (1 727 mm)				
76 inch (1 930 mm)				
84 inch (2 134 mm)				
92 inch (2 337 mm)				
100 inch (2 540 mm)				
108 inch (2 743 mm)				
116 inch (2 946 mm)				

SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

Article No.

Article No.

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Material containment construction

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch" for options D ... L

Shear gate inlet

Skirtboards 304 stainless steel

Skirtboards 304 stainless steel, with cover

Skirtboards 304 stainless steel, #4 polished

Skirtboards 304 stainless steel, #4 polished with cover

Skirtboards 316 stainless steel

Skirtboards 316 stainless steel, with cover

Skirtboards 316 stainless steel, #4 polished

Skirtboards 316 stainless steel, #4 polished with cover

Load cell

6 kg (13.2 lb) stainless steel, hermetically sealed

12 kg (26.5 lb) stainless steel, hermetically sealed

30 kg (66.1 lb) stainless steel, hermetically sealed

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

500 PPR optical encoder, stainless steel

1 000 PPR optical encoder, stainless steel

2 500 PPR optical encoder, stainless steel

Motor mounted

60 PPR magnetic p/u

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info.

Standard AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

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SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Food grade epoxy coated AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

Stainless steel AC motor

0.33 HP (0.25 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting

Polyurethane anti static 57 PIW

2 ply FDA/USDA approved

2 ply with B-section flange walls FDA/USDA approved

2 ply with 2 inch (50 mm) corrugated side walls FDA/USDA approved

Silicone anti static 45 PIW

2 ply FDA/USDA approved HT 177 °C (350 °F)

Belt change access side (looking from inlet to discharge)

Left hand

Right hand

7MH7305-

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Selection and ordering data	Order Code	Article No.
Further designs Please add "-Z" to article no. and specify order code(s). Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch) ¹⁾ Enter design units (TPH, MTPH, lb/h, kg/h) Enter design speed (ft/m, m/s) Enter design capacity/rate AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7). Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters) Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E ²⁾ ATEX II 2D approved electrical components Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E ³⁾ Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications ¹⁾ Pointek CLS100 Capacitance switch for plugged discharge chute detection Siemens start/stop, auto/manual, speed control, hand held operator Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (Available with speed sensor options 0 ... 5 only) Manufacturer's test certificate: According to EN 10204-2.2 Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text Custom design Specify quote reference when ordering	Y74 Y71 Y72 Y73 Y75 Y01 E90 E91 G11 G12 G13 G14 G16 C11 Y15 Y99	Operating instructions • English Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library. A5E33560654

¹⁾ Available with material containment options D ... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with Drive Configuration standard motor options only, all motors suitable for 400 V operation only.

SITRANS Weighfeeders**SITRANS WW200****Enclosed style****Selection and ordering data**

Article No.

Article No.

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y73 for all models to specify design data

316 stainless steel frame with painted mild steel enclosure style with C/L infeed to C/L discharge12 inch (305 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

18 inch (457 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

24 inch (610 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

30 inch (762 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

7MH7306-

0 A

0 B

0 C

0 D

0 E

0 F

0 G

0 H

0 J

1 A

1 B

1 C

1 D

1 E

1 F

1 G

1 H

1 J

2 A

2 B

2 C

2 D

2 E

2 F

2 G

2 H

2 J

3 A

3 B

3 C

3 D

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3 F

3 G

3 H

3 J

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

36 inch (914 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

42 inch (1 067 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

48 inch (1 219 mm) belt width

52 inch (1 321 mm)

60 inch (1 524 mm)

68 inch (1 727 mm)

76 inch (1 930 mm)

84 inch (2 134 mm)

92 inch (2 337 mm)

100 inch (2 540 mm)

108 inch (2 743 mm)

116 inch (2 946 mm)

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4 A

4 B

4 C

4 D

4 E

4 F

4 G

4 H

4 J

5 A

5 B

5 C

5 D

5 E

5 F

5 G

5 H

5 J

6 A

6 B

6 C

6 D

6 E

6 F

6 G

6 H

6 J

Selection and ordering data

Article No.

Article No.

SITRANS WW200, enclosed style

7MH7306-

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y74 and plain text: "Arc radius in inches ... XX.XXX" for options H ... L

Shear gate inlet

Skirtboards 316 stainless steel

Skirtboards 316 stainless steel, with cover

Skirtboards 316 stainless steel, #4 polished

Skirtboards 316 stainless steel, #4 polished with cover

Load cell

6 kg (13.2 lb) stainless steel, hermetically sealed

12 kg (26.5 lb) stainless steel, hermetically sealed

30 kg (66.1 lb) stainless steel, hermetically sealed

Speed sensor
Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

500 PPR optical encoder, stainless steel

1 000 PPR optical encoder, stainless steel

2 500 PPR optical encoder, stainless steel

Motor mounted

60 PPR motor mounted magnetic p/u

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info.

Standard AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

Food grade epoxy coated AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

SITRANS WW200, enclosed style

7MH7306-

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Stainless steel AC motor

0.33 HP (0.25 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting
Polyurethane anti static 57 PIW

2 ply FDA/USDA approved

 2 ply with B-section flange walls
 FDA/USDA approved

 2 ply with 2 inch (50 mm) corrugated side walls
 FDA/USDA approved

Silicone anti static 45 PIW

2 ply FDA/USDA approved HT 177 °C (350 °F)

Belt change access side
(looking from inlet to discharge)

Left hand

Right hand

2 A

2 C

2 E

A

B

C

D

0

1

SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

Order Code

Further designs

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)¹⁾

Y74

Enter design units (TPH, MTPH, lb/h, kg/h)

Y71

Enter design speed (ft/m, m/s)

Y72

Enter design capacity/rate

Y73

AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).

Y75

Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Y01

Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components

E90

Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E²⁾

ATEX II 2D approved electrical components

E91

Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E³⁾

Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications¹⁾

G11

Pointek CLS100 Capacitance switch for plugged discharge chute detection

G12

Siemens start/stop, auto/manual, speed control, hand held operator

G13

Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt

G14

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (Available with speed sensor options 0 ... 5 only)

G16

Manufacturer's test certificate: According to EN 10204-2.2

C11

Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text

Y15

Custom design

Y99

Specify quote reference when ordering

Operating instructions

- English

Note:

The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

Article No.

A5E33560654

¹⁾ Available with material containment options D ... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with Drive Configuration standard motor options only, all motors suitable for 400 V operation only.

Selection and ordering data		Article No.		Article No.
SITRANS WW200, enclosed style		7MH7307-		7MH7307-
High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.				
Add order code Y71 ... Y73 for all models to specify design data				
316 stainless steel frame with 304 stainless steel enclosure style with C/L infeed to C/L discharge				
<u>12 inch (305 mm) belt width</u>				
52 inch (1 321 mm)	0 A			4 A
60 inch (1 524 mm)	0 B			4 B
68 inch (1 727 mm)	0 C			4 C
76 inch (1 930 mm)	0 D			4 D
84 inch (2 134 mm)	0 E			4 E
92 inch (2 337 mm)	0 F			4 F
100 inch (2 540 mm)	0 G			4 G
108 inch (2 743 mm)	0 H			4 H
116 inch (2 946 mm)	0 J			4 J
<u>18 inch (457 mm) belt width</u>				
52 inch (1 321 mm)	1 A			5 A
60 inch (1 524 mm)	1 B			5 B
68 inch (1 727 mm)	1 C			5 C
76 inch (1 930 mm)	1 D			5 D
84 inch (2 134 mm))	1 E			5 E
92 inch (2 337 mm)	1 F			5 F
100 inch (2 540 mm)	1 G			5 G
108 inch (2 743 mm)	1 H			5 H
116 inch (2 946 mm)	1 J			5 J
<u>24 inch (610 mm) belt width</u>				
52 inch (1 321 mm)	2 A			6 A
60 inch (1 524 mm)	2 B			6 B
68 inch (1 727 mm)	2 C			6 C
76 inch (1 930 mm)	2 D			6 D
84 inch (2 134 mm)	2 E			6 E
92 inch (2 337 mm)	2 F			6 F
100 inch (2 540 mm)	2 G			6 G
108 inch (2 743 mm)	2 H			6 H
116 inch (2 946 mm)	2 J			6 J
<u>30 inch (762 mm) belt width</u>				
52 inch (1 321 mm)	3 A			
60 inch (1 524 mm)	3 B			
68 inch (1 727 mm)	3 C			
76 inch (1 930 mm)	3 D			
84 inch (2 134 mm)	3 E			
92 inch (2 337 mm)	3 F			
100 inch (2 540 mm)	3 G			
108 inch (2 743 mm)	3 H			
116 inch (2 946 mm)	3 J			
SITRANS WW200, enclosed style				
High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.				
<u>36 inch (914 mm) belt width</u>				
52 inch (1 321 mm)				
60 inch (1 524 mm)				
68 inch (1 727 mm)				
76 inch (1 930 mm)				
84 inch (2 134 mm)				
92 inch (2 337 mm)				
100 inch (2 540 mm)				
108 inch (2 743 mm)				
116 inch (2 946 mm)				
<u>42 inch (1 067 mm) belt width</u>				
52 inch (1 321 mm)				
60 inch (1 524 mm)				
68 inch (1 727 mm)				
76 inch (1 930 mm)				
84 inch (2 134 mm)				
92 inch (2 337 mm)				
100 inch (2 540 mm)				
108 inch (2 743 mm)				
116 inch (2 946 mm)				
<u>48 inch (1 219 mm) belt width</u>				
52 inch (1 321 mm)				
60 inch (1 524 mm)				
68 inch (1 727 mm)				
76 inch (1 930 mm)				
84 inch (2 134 mm)				
92 inch (2 337 mm)				
100 inch (2 540 mm)				
108 inch (2 743 mm)				
116 inch (2 946 mm)				

SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

Article No.

Article No.

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Material containment construction

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch" for options H ... L

Shear gate inlet and skirtboards 316 stainless steel

Shear gate inlet and skirtboards 316 stainless steel, with cover

Shear gate inlet and skirtboards 316 stainless steel, #4 polished

Shear gate inlet and skirtboards 316 stainless steel, #4 polished with cover

Load cell

6 kg (13.2 lb) stainless steel, hermetically sealed

12 kg (26.5 lb) stainless steel, hermetically sealed

30 kg (66.1 lb) stainless steel, hermetically sealed

Speed sensor

500 PPR shaft mounted optical encoder

1 000 PPR shaft mounted optical encoder

2 500 PPR shaft mounted optical encoder

500 PPR shaft mounted optical encoder, stainless steel

1 000 PPR shaft mounted optical encoder, stainless steel

2 500 PPR shaft mounted optical encoder, stainless steel

60 PPR motor mounted magnetic p/u

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info.

Standard AC motor

0.25 HP (0.19 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

Food grade epoxy coated AC motor

0.25 HP (0.19 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

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SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Stainless steel AC motor

0.33 HP (0.25 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting

Polyurethane anti static 57 PIW,
2 ply FDA/USDA approved

Polyurethane anti static 57 PIW, 2 ply with B-section
flange walls FDA/USDA approved

Polyurethane anti static 57 PIW, 2 ply with 2 inch
(50 mm) corrugated side walls FDA/USDA
approved

Silicone anti static 45 PIW, 2 ply FDA/USDA
approved HT 177 °C (350 °F)

Belt change access side (looking from inlet to discharge)

Left hand

Right hand

7MH7307-

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Selection and ordering data	Order Code	Article No.
Further designs Please add "-Z" to article no. and specify order code(s).		A5E33560654 Operating instructions • English Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.
Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch) ¹⁾	Y74	
Enter design units (TPH, MTPH, lb/h, kg/h)	Y71	
Enter design speed (ft/m, m/s)	Y72	
Enter design capacity/rate	Y73	
AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).	Y75	
Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)	Y01	
Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components	E90	
Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E ²⁾		
ATEX II 2D approved electrical components	E91	
Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E ³⁾		
Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications ¹⁾	G11	
Pointek CLS100 Capacitance switch for plugged discharge chute detection	G12	
Siemens start/stop, auto/manual, speed control, hand held operator	G13	
Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt	G14	
Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (Available with speed sensor options 0 ... 5 only)	G16	
Manufacturer's test certificate: According to EN 10204-2.2	C11	
Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text	Y15	
Custom design Specify quote reference when ordering.	Y99	

¹⁾ Available with material containment options D ... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with Drive Configuration standard motor options only, all motors suitable for 400 V operation only.

SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y73 for all models to specify design data

316 stainless steel frame with 316 stainless steel enclosure style with C/L infeed to C/L discharge

12 inch (305 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

Article No.

7MH7308-

0 A
0 B
0 C
0 D
0 E
0 F
0 G
0 H
0 J

18 inch (457 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

1 A
1 B
1 C
1 D
1 E
1 F
1 G
1 H
1 J

24 inch (610 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

2 A
2 B
2 C
2 D
2 E
2 F
2 G
2 H
2 J

30 inch (762 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

3 A
3 B
3 C
3 D
3 E
3 F
3 G
3 H
3 J

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

36 inch (914 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

Article No.

7MH7308-

4 A
4 B
4 C
4 D
4 E
4 F
4 G
4 H
4 J

42 inch (1 067 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

5 A
5 B
5 C
5 D
5 E
5 F
5 G
5 H
5 J

48 inch (1 219 mm) belt width

52 inch (1 321 mm)
60 inch (1 524 mm)
68 inch (1 727 mm)
76 inch (1 930 mm)
84 inch (2 134 mm)
92 inch (2 337 mm)
100 inch (2 540 mm)
108 inch (2 743 mm)
116 inch (2 946 mm)

6 A
6 B
6 C
6 D
6 E
6 F
6 G
6 H
6 J

SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

Article No.

Article No.

SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Material containment construction

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch" for options H ... L

Shear gate inlet

Skirtboards 316 stainless steel

Skirtboards 316 stainless steel, with cover

Skirtboards 316 stainless steel, #4 polished

Skirtboards 316 stainless steel, #4 polished with cover

Load cell

6 kg (13.2 lb) stainless steel, hermetically sealed

12 kg (26.5 lb) stainless steel, hermetically sealed

30 kg (66.1 lb) stainless steel, hermetically sealed

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

500 PPR optical encoder, stainless steel

1 000 PPR optical encoder, stainless steel

2 500 PPR optical encoder, stainless steel

Motor mounted

60 PPR magnetic p/u

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1". See table on page 5/15 for further info.

Standard AC motor

0.25 HP (0.19 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

7MH7308-

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SITRANS WW200, enclosed style

High accuracy solids weighfeeder for low to medium capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Food grade epoxy coated AC motor

0.25 HP (0.19 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

Stainless steel AC motor

0.33 HP (0.25 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting

Polyurethane anti static 57 PIW,
2 ply FDA/USDA approved

Polyurethane anti static 57 PIW, 2 ply with B-section
flange walls FDA/USDA approved

Polyurethane anti static 57 PIW, 2 ply with 2 inch
(50 mm) corrugated side walls
FDA/USDA approved

Silicone anti static 45 PIW, 2 ply FDA/USDA
approved HT 177 °C (350 °F)

Belt change access side (looking from inlet to discharge)

Left hand

Right hand

7MH7308-

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SITRANS Weighfeeders

SITRANS WW200

Enclosed style

Selection and ordering data

Order Code

Article No.

Further designs

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)¹⁾

Enter design units (TPH, MTPH, lb/h, kg/h)

Enter design speed (ft/m, m/s)

Enter design capacity/rate

AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1) (see "Reduction Ratio Selection Table" on page 5/7).

Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Class I, Div. 1, Group C&D; Class II, Div. 1, Group F&G approved electrical components

Note: Weighfeeder does not carry hazardous approval, only components, not available with speed sensor options 3 ... 6, load cell options 0 ... 4 or with motor options 1A ... 2E²⁾

ATEX II 2D approved electrical components

Note: Weighfeeder does not carry hazardous approval, only components, approval not available with speed sensor options 0, 3, 4, 5, 6, load cell options 0 ... 4 or motor options 1A ... 2E³⁾

Plastic shear curtain to control dust at the infeed for floodable materials and dusty applications¹⁾

Pointek CLS100 Capacitance switch for plugged discharge chute detection

Siemens start/stop, auto/manual, speed control, hand held operator

Belt cleaner, stainless steel, nylon brush, mounted under belt plow, cleaning dirty side of belt

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (Available with speed sensor options 0 ... 5 only)

Manufacturer's test certificate: According to EN 10204-2.2

Stainless steel tag [69 x 50 mm (2.71 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters) specify in plain text

Custom design

Specify quote reference when ordering.

Operating instructions

- English

Note:

The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

A5E33560654

¹⁾ Available with material containment options D ... L only.

²⁾ 575 V versions meet 4:1 ct inverter rating, all other voltages meet 10:1.

³⁾ Available with Drive Configuration standard motor options only, all motors suitable for 400 V operation only.

Selection and ordering data		Article No.	Article No.
Accessories			
Test chain 1.62 lb/ft, 2.41 kg/m - 60 inches long	7MH7723-1NF	Head bearing replacement kit mild steel (includes 2 bearings)	7MH7723-1QM
Start, Stop, Hand/Off/Auto, speed pot local operator station	7MH7723-1JA	Tail bearing replacement kit mild steel (includes 2 bearings)	7MH7723-1QN
E-stop push button, enclosed style	3SB38010DF3	Head bearing replacement kit stainless steel (includes 2 bearings)	7MH7723-1QP
CLS100 plugged discharge chute retrofit kit (includes CLS100, material hood)	7MH7723-1JE	Tail bearing replacement kit stainless steel (includes 2 bearings)	7MH7723-1QQ
Siemens, MM420, 0.5 HP 0.37 kW, 380 ... 480 V 3 ph 50/60 Hz	6SE64202UD137AA1	Skirtboard seal replacement kit	7MH7723-1QR
Siemens, MM420, 0.75 HP 0.56 kW, 380 ... 480 V 3 ph 50/60 Hz	6SE64202UD155AA1	Enclosure latches (includes 5 latches)	7MH7723-1QS
Siemens, MM420, 1 HP 0.75 kW, 380 ... 480 V 3 ph 50/60 Hz	6SE64202UD175AA1	Enclosure latches stainless steel (includes 5 latches)	7MH7723-1QT
Siemens, MM440, 1 HP 0.75 kW, 500 ... 600 V 3 ph 60 Hz	6SE64402UE175CA	Motor, 0.25 HP (0.19 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NG
Siemens, MM420/440, Bop keypad	6SE64000BP000AA1	Motor, 0.5 HP (0.37 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NH
<u>Calibration hanger weights</u>		Motor, 0.75 HP (0.56 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NJ
200 g (0.4 lb)	7MH7724-1AF	Motor, 1 HP (0.75 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NK
500 g (1.1 lb)	7MH7724-1AG	Motor, 0.25 HP (0.19 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1NL
1 000 g (2.2 lb)	7MH7724-1AH	Motor, 0.5 HP (0.37 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1NM
2 000 g (4.4 lb)	7MH7724-1AJ	Motor, 0.75 HP (0.56 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1NN
3 500 g (7.7 lb)	7MH7724-1BQ	Motor, 1 HP (0.75 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1NP
5 000 g (11 lb)	7MH7724-1AK	Motor, 0.25 HP (0.19 kW) epoxy coated, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NQ
7 500 g (16.5 lb)	7MH7724-1BR	Motor, 0.5 HP (0.37 kW) epoxy coated, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NR
8 500 g (18.7 lb)	7MH7724-1BS	Motor, 1 HP (0.75 kW) epoxy coated, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NS
10 000 (22 lb)	7MH7724-1BT	Motor, 0.25 HP (0.19 kW) epoxy coated, 575 V – 50 Hz 3 ph	7MH7723-1NT
12 000 g (26.5 lb)	7MH7724-1BU	Motor, 0.5 HP (0.37 kW) epoxy coated, 575 V – 50 Hz 3 ph	7MH7723-1NU
15 000 g (33.1 lb)	7MH7724-1BV	Motor, 1 HP (0.75 kW) epoxy coated, 575 V – 50 Hz 3 ph	7MH7723-1NW
Note: Calibration accessories should be ordered as a separate item on the order		Motor, 0.33 HP (0.25 kW) stainless steel, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NX
Spare parts		Motor, 0.5 HP (0.37 kW) stainless steel, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NY
6 kg (13.2 lb) stainless steel load cell	7MH7725-1EG	Motor, 1 HP (0.75 kW) stainless steel, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PA
12 kg (26.4 lb) stainless steel load cell	7MH7725-1EH	Belt	See 7MH7201
30 kg (66.2 lb) stainless steel load cell	7MH7725-1EJ	Gear reducer	See 7MH7200
10 kg (22 lb) nickel plated steel load cell	7MH7725-1EK		
15 kg (33.1 lb) nickel plated steel load cell	7MH7725-1EL		
20 kg (44 lb) nickel plated steel load cell	7MH7725-1EM		
30 kg (66.2 lb) nickel plated steel load cell	7MH7725-1EN		
50 kg (110.2 lb) nickel plated steel load cell	7MH7725-1EP		
Slider bar Delrin	7MH7723-1KG		
500 PPR optical encoder	6FX20012PA50		
1 000 PPR optical encoder	6FX20012PB00		
2 500 PPR optical encoder	6FX20012PC50		
Optical encoder connector	6FX20030SU12		
Siemens Encoder connector with 20 ft cable	7MH7723-1KM		
Encoder, EPC 802 Stainless steel, 500 PPR	7MH7723-1HG		
Encoder, EPC 802 Stainless steel, 1 000 PPR	7MH7723-1HH		
Encoder, EPC 802 Stainless steel, 2 500 PPR	7MH7723-1HJ		
Magnetic proximity switch	7MH7723-1GA		
Motor mounted sensor flange 56C	7MH7723-1RB		
Belt tracking switch	3SE5112-0CR01		
Termination box 1,2,4 load cell and speed sensor, mild steel	7MH7723-1ND		
Termination box 1,2,4 load cell and speed sensor, stainless steel	7MH7723-1NE		

SITRANS Weighfeeders

SITRANS WW200

Accessories and spare parts

Selection and ordering data

Article No.

Article No.

Hazardous rated electrical spare parts

Load cells

6 kg (13.2 lb) stainless steel load cell,
ATEX II 2D/Class I Div. 1, groups C&D,
Class II Div. 1, groups F&G

7MH7725-1EQ

12 kg (26.4 lb) stainless steel load cell,
ATEX II 2D/Class I Div. 1, groups C&D,
Class II Div. 1, groups F&G

7MH7725-1ER

30 kg (66.2 lb) stainless steel load cell,
ATEX II 2D/Class I Div. 1, groups C&D,
Class II Div. 1, groups F&G

7MH7725-1ES

Optical encoders

500 PPR optical encoder,
Class I Div. 1, groups C&D,
Class II Div. 1, groups F&G

7MH7723-1QU

1 000 PPR optical encoder,
Class I Div. 1, groups C&D,
Class II Div. 1, groups F&G

7MH7723-1QV

2 500 PPR optical encoder,
Class I Div. 1, groups C&D,
Class II Div. 1, groups F&G

7MH7723-1QW

1 000 PPR optical encoder, ATEX II 2D

7MH7723-1QX

2 500 PPR optical encoder, ATEX II 2D

7MH7723-1QY

Motors

Motor, 0.25 HP 0.19 kW,
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph

7MH7723-1PB

Motor, 0.5 HP 0.37 kW,
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph

7MH7723-1PC

Motor, 0.75 HP 0.56 kW,
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph

7MH7723-1PD

Motor, 1 HP 0.75 kW,
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph

7MH7723-1NV

Motor, 0.25 HP 0.19 kW,
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph

7MH7723-1QA

Motor, 0.5 HP 0.37 kW,
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph

7MH7723-1QB

Motor, 0.75 HP 0.56 kW,
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph

7MH7723-1QC

Motor, 1 HP 0.75 kW,
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph

7MH7723-1QD

Motor, 0.25 HP 0.19 kW,
ATEX II 2D, 400 V – 50 Hz 3 ph

1LA90734KA94-Z

Motor, 0.5 HP 0.37 kW,
ATEX II 2D, 400 V – 50 Hz 3 ph

1LA90834KA94-Z

Motor, 0.75 HP 0.56 kW,
ATEX II 2D, 400 V – 50 Hz 3 ph

1LA90904KA94-Z

Motor, 1 HP 0.75 kW,
ATEX II 2D, 400 V – 50 Hz 3 ph

1LA90964KA94-Z

Belt tracking switch, ATEX II 2D/Class I Div. 1,
groups C&D, Class II Div. 1, groups F&G

7MH7723-1RA

SITRANS WW200 gear reducer

Helical worm gear reducer for use with WW200
weighfeeders CAF48 style for use with
7MH7300 - 7MH7308, Y75 order code info
indicates reduction ratio on weighfeeder

7MH7200- **0**

Construction

Painted mild steel

0Food grade epoxy painted mild steel with food
grade oil**1**

Reduction Ratio (X:1)

1 059

AA

937

AB

865

AC

745

AD

677

AE

615

AF

558

AG

508

AH

449

AJ

414

AK

357

AL

324

AM

320.67

BA

284.7

BB

249.6

BC

223.36

BD

198.25

BE

173.73

BF

152.75

BG

138

BH

120.25

BJ

108

BK

97.5

BL

88.4

BM

80.44

BN

71.12

BP

65.68

BQ

56.55

BR

51.41

BS

46.93

BT

42

BU

37.28

BV

Type

Standard¹⁾**0**For use with ATEX rated 0.25 HP (0.18 kW) motor²⁾**1**For use with ATEX rated 0.5 HP (0.37 kW) motor²⁾**2**For use with ATEX rated 0.75 HP (0.56 kW) motor²⁾**3**For use with ATEX rated 1 HP (0.75 kW) motor²⁾**4**

Further designs

Order Code

Please add "-Z" to article no. and specify order
code(s).

Motor

Standard

A06

For use with ATEX rated motor

A04

¹⁾ Select order code A06.

²⁾ Select order code A04.

Selection and ordering data		Article No.	Article No.	
SITRANS WW200 belt		7MH7201-	SITRANS WW200 belt	
Endless belt for use with WW200 weighfeeders		 0	Endless belt for use with WW200 weighfeeders	
For use with 7MH7300, pulley CL data based on telescoper in fully retracted position.			For use with 7MH7300, pulley CL data based on telescoper in fully retracted position.	
<u>12 inch (305 mm) belt width</u>			<u>24 inch (610 mm) belt width</u>	
52 inch (1 321 mm) C/L Infeed to C/L Discharge, 54.5 inch (1 384 mm) pulley C/L to C/L per weigh- feeder	0A		52 inch (1 321 mm) C/L Infeed to C/L Discharge, 54.5 inch (1 384 mm) pulley C/L to C/L per weigh- feeder	2A
60 inch (1 524 mm) C/L Infeed to C/L Discharge, 62.5 inch (1 588 mm) pulley C/L to C/L per weigh- feeder	0B		60 inch (1 524 mm) C/L Infeed to C/L Discharge, 62.5 inch (1 588 mm) pulley C/L to C/L per weigh- feeder	2B
68 inch (1 727 mm) C/L Infeed to C/L Discharge, 70.5 inch (1 791 mm) pulley C/L to C/L per weigh- feeder	0C		68 inch (1 727 mm) C/L Infeed to C/L Discharge, 70.5 inch (1 791 mm) pulley C/L to C/L per weigh- feeder	2C
76 inch (1 930 mm) C/L Infeed to C/L Discharge, 78.5 inch (1 994 mm) pulley C/L to C/L per weigh- feeder	0D		76 inch (1 930 mm) C/L Infeed to C/L Discharge, 78.5 inch (1 994 mm) pulley C/L to C/L per weigh- feeder	2D
84 inch (2 134 mm) C/L Infeed to C/L Discharge, 86.5 inch (2 197 mm) pulley C/L to C/L per weigh- feeder	0E		84 inch (2 134 mm) C/L Infeed to C/L Discharge, 86.5 inch (2 197 mm) pulley C/L to C/L per weigh- feeder	2E
92 inch (2 337 mm) C/L Infeed to C/L Discharge, 94.5 inch (2 400 mm) pulley C/L to C/L per weigh- feeder	0F		92 inch (2 337 mm) C/L Infeed to C/L Discharge, 94.5 inch (2 400 mm) pulley C/L to C/L per weigh- feeder	2G
100 inch (2 540 mm) C/L Infeed to C/L Discharge, 102.5 inch (2 604 mm) pulley C/L to C/L per weigh- feeder	0G		108 inch (2 743 mm) C/L Infeed to C/L Discharge, 110.5 inch (2 807 mm) pulley C/L to C/L per weigh- feeder	2H
108 inch (2 743 mm) C/L Infeed to C/L Discharge, 110.5 inch (2 807 mm) pulley C/L to C/L per weigh- feeder	0H		116 inch (2 946 mm) C/L Infeed to C/L Discharge, 118.5 inch (3 010 mm) pulley C/L to C/L per weigh- feeder	2J
116 inch (2 946 mm) C/L Infeed to C/L Discharge, 118.5 inch (3 010 mm) pulley C/L to C/L per weigh- feeder	0J		<u>30 inch (762 mm) belt width</u>	
<u>18 inch (457 mm) belt width</u>			52 inch (1 321 mm) C/L Infeed to C/L Discharge, 54.5 inch (1 384 mm) pulley C/L to C/L per weigh- feeder	3A
52 inch (1 321 mm) C/L Infeed to C/L Discharge, 54.5 inch (1 384 mm) pulley C/L to C/L per weigh- feeder	1A		60 inch (1 524 mm) C/L Infeed to C/L Discharge, 62.5 inch (1 588 mm) pulley C/L to C/L per weigh- feeder	3B
60 inch (1 524 mm) C/L Infeed to C/L Discharge, 62.5 inch (1 588 mm) pulley C/L to C/L per weigh- feeder	1B		68 inch (1 727 mm) C/L Infeed to C/L Discharge, 70.5 inch (1 791 mm) pulley C/L to C/L per weigh- feeder	3C
68 inch (1 727 mm) C/L Infeed to C/L Discharge, 70.5 inch (1 791 mm) pulley C/L to C/L per weigh- feeder	1C		76 inch (1 930 mm) C/L Infeed to C/L Discharge, 78.5 inch (1 994 mm) pulley C/L to C/L per weigh- feeder	3D
76 inch (1 930 mm) C/L Infeed to C/L Discharge, 78.5 inch (1 994 mm) pulley C/L to C/L per weigh- feeder	1D		84 inch (2 134 mm) C/L Infeed to C/L Discharge, 86.5 inch (2 197 mm) pulley C/L to C/L per weigh- feeder	3E
84 inch (2 134 mm) C/L Infeed to C/L Discharge, 86.5 inch (2 197 mm) pulley C/L to C/L per weigh- feeder	1E		92 inch (2 337 mm) C/L Infeed to C/L Discharge, 94.5 inch (2 400 mm) pulley C/L to C/L per weigh- feeder	3F
92 inch (2 337 mm) C/L Infeed to C/L Discharge, 94.5 inch (2 400 mm) pulley C/L to C/L per weigh- feeder	1F		100 inch (2 540 mm) C/L Infeed to C/L Discharge, 102.5 inch (2 604 mm) pulley C/L to C/L per weigh- feeder	3G
100 inch (2 540 mm) C/L Infeed to C/L Discharge, 102.5 inch (2 604 mm) pulley C/L to C/L per weigh- feeder	1G		108 inch (2 743 mm) C/L Infeed to C/L Discharge, 110.5 inch (2 807 mm) pulley C/L to C/L per weigh- feeder	3H
108 inch (2 743 mm) C/L Infeed to C/L Discharge, 110.5 inch (2 807 mm) pulley C/L to C/L per weigh- feeder	1H		116 inch (2 946 mm) C/L Infeed to C/L Discharge, 118.5 inch (3 010 mm) pulley C/L to C/L per weigh- feeder	4A
116 inch (2 946 mm) C/L Infeed to C/L Discharge, 118.5 inch (3 010 mm) pulley C/L to C/L per weigh- feeder	1J			

SITRANS Weighfeeders

SITRANS WW200

Accessories and spare parts

Selection and ordering data

SITRANS WW200 belt

Endless belt for use with WW200 weighfeeders

For use with 7MH7300, pulley CL data based on telescoper in fully retracted position.

36 inch (914 mm) belt width

60 inch (1 524 mm) C/L Infeed to C/L Discharge,
62.5 inch (1 588 mm) pulley C/L to C/L per weigh-
feeder

68 inch (1 727 mm) C/L Infeed to C/L Discharge,
70.5 inch (1 791 mm) pulley C/L to C/L per weigh-
feeder

76 inch (1 930 mm) C/L Infeed to C/L Discharge,
78.5 inch (1 994 mm) pulley C/L to C/L per weigh-
feeder

84 inch (2 134 mm) C/L Infeed to C/L Discharge,
86.5 inch (2 197 mm) pulley C/L to C/L per weigh-
feeder

92 inch (2 337 mm) C/L Infeed to C/L Discharge,
94.5 inch (2 400 mm) pulley C/L to C/L per weigh-
feeder

100 inch (2 540 mm) C/L Infeed to C/L Discharge,
102.5 inch (2 604 mm) pulley C/L to C/L per weigh-
feeder

116 inch (2 946 mm) C/L Infeed to C/L Discharge,
118.5 inch (3 010 mm) pulley C/L to C/L per weigh-
feeder

42 inch (1 067 mm) belt width

52 inch (1 321 mm) C/L Infeed to C/L Discharge,
54.5 inch (1 384 mm) pulley C/L to C/L per weigh-
feeder

60 inch (1 524 mm) C/L Infeed to C/L Discharge,
62.5 inch (1 588 mm) pulley C/L to C/L per weigh-
feeder

68 inch (1 727 mm) C/L Infeed to C/L Discharge,
70.5 inch (1 791 mm) pulley C/L to C/L per weigh-
feeder

76 inch (1 930 mm) C/L Infeed to C/L Discharge,
78.5 inch (1 994 mm) pulley C/L to C/L per weigh-
feeder

84 inch (2 134 mm) C/L Infeed to C/L Discharge,
86.5 inch (2 197 mm) pulley C/L to C/L per weigh-
feeder

92 inch (2 337 mm) C/L Infeed to C/L Discharge,
94.5 inch (2 400 mm) pulley C/L to C/L per weigh-
feeder

100 inch (2 540 mm) C/L Infeed to C/L Discharge,
102.5 inch (2 604 mm) pulley C/L to C/L per weigh-
feeder

108 inch (2 743 mm) C/L Infeed to C/L Discharge,
110.5 inch (2 807 mm) pulley C/L to C/L per weigh-
feeder

116 inch (2 946 mm) C/L Infeed to C/L Discharge,
118.5 inch (3 010 mm) pulley C/L to C/L per weigh-
feeder

48 inch (1 219 mm) belt width

52 inch (1 321 mm) C/L Infeed to C/L Discharge,
54.5 inch (1 384 mm) pulley C/L to C/L per weigh-
feeder

60 inch (1 524 mm) C/L Infeed to C/L Discharge,
62.5 inch (1 588 mm) pulley C/L to C/L per weigh-
feeder

68 inch (1 727 mm) C/L Infeed to C/L Discharge,
70.5 inch (1 791 mm) pulley C/L to C/L per weigh-
feeder

76 inch (1 930 mm) C/L Infeed to C/L Discharge,
78.5 inch (1 994 mm) pulley C/L to C/L per weigh-
feeder

Article No.

7MH7201-

0

4B

4C

4D

4E

4F

4H

4J

5A

5B

5C

5D

5E

5F

5G

5H

5J

6A

6B

6C

6D

SITRANS WW200 belt

Endless belt for use with WW200 weighfeeders

For use with 7MH7300, pulley CL data based on telescoper in fully retracted position.

84 inch (2 134 mm) C/L Infeed to C/L Discharge,
86.5 inch (2 197 mm) pulley C/L to C/L per weigh-
feeder

92 inch (2 337 mm) C/L Infeed to C/L Discharge,
94.5 inch (2 400 mm) pulley C/L to C/L per weigh-
feeder

100 inch (2 540 mm) C/L Infeed to C/L Discharge,
102.5 inch (2 604 mm) pulley C/L to C/L per weigh-
feeder

108 inch (2 743 mm) C/L Infeed to C/L Discharge,
110.5 inch (2 807 mm) pulley C/L to C/L per weigh-
feeder

116 inch (2 946 mm) C/L Infeed to C/L Discharge,
118.5 inch (3 010 mm) pulley C/L to C/L per weigh-
feeder

Belting

Polyurethane anti static 57 PIW

2 ply FDA/USDA approved

2 ply with B-section flange walls
FDA/USDA approved

2 ply with 2 inch (50 mm) corrugated side walls
FDA/USDA approved

Silicone anti static 45 PIW

2 ply FDA/USDA approved HT 177 °C (350 °F)

Nitrile 135 PIW

3 ply

3 ply with B-section flange walls

3 ply with 2 inch (50 mm) corrugated side walls

Further designs

Please add "-Z" to article no. and specify order
code(s).

Custom length

Select next longest option and specify infeed CL to
Discharge CL per weighfeeder in plain text (indi-
cated inches or millimeters)

Note: Y01 order code info indicates special length
on weighfeeder.

Article No.

7MH7201-

0

6E

6F

6G

6H

6J

A

B

C

D

G

H

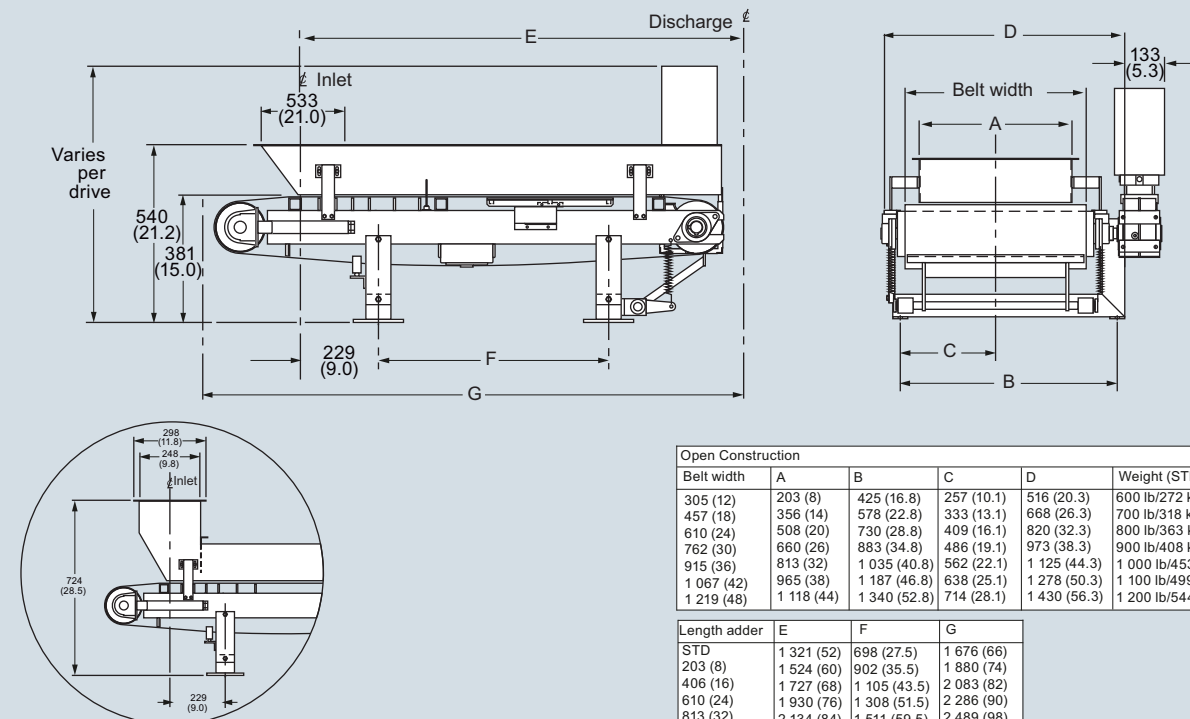
J

Order Code

Y01

Dimensional drawings

Open Construction

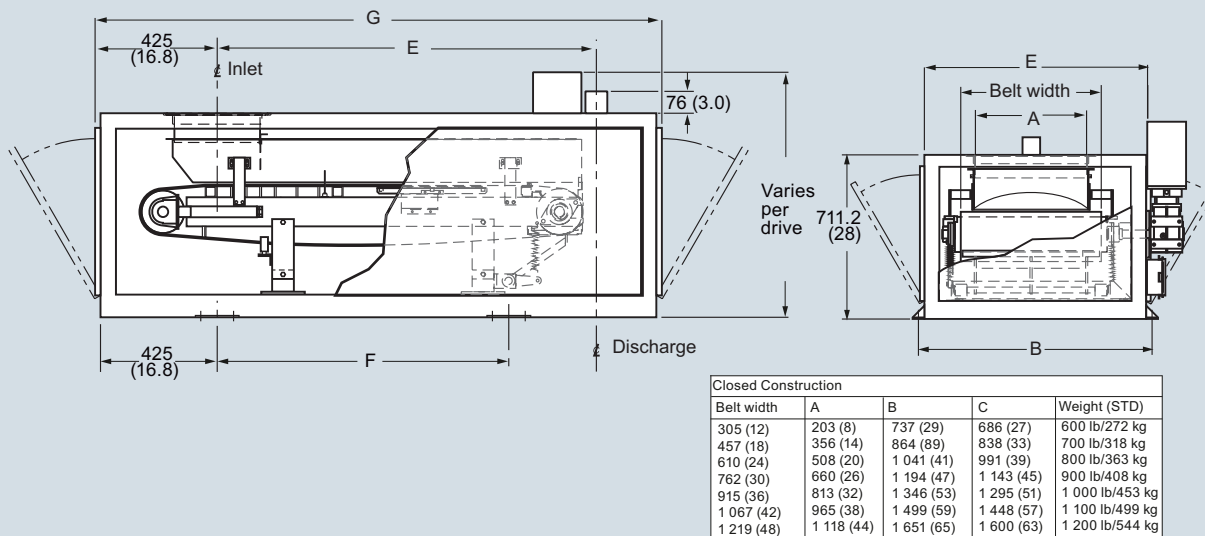


Shear gate infeed version

Open Construction					
Belt width	A	B	C	D	Weight (STD)
305 (12)	203 (8)	425 (16.8)	257 (10.1)	516 (20.3)	600 lb/272 kg
457 (18)	356 (14)	578 (22.8)	333 (13.1)	668 (26.3)	700 lb/318 kg
610 (24)	508 (20)	730 (28.8)	409 (16.1)	820 (32.3)	800 lb/363 kg
762 (30)	660 (26)	883 (34.8)	486 (19.1)	973 (38.3)	900 lb/408 kg
915 (36)	813 (32)	1 035 (40.8)	562 (22.1)	1 125 (44.3)	1 000 lb/453 kg
1 067 (42)	965 (38)	1 187 (46.8)	638 (25.1)	1 278 (50.3)	1 100 lb/499 kg
1 219 (48)	1 118 (44)	1 340 (52.8)	714 (28.1)	1 430 (56.3)	1 200 lb/544 kg

Length adder	E	F	G
STD	1 321 (52)	698 (27.5)	1 676 (66)
203 (8)	1 524 (60)	902 (35.5)	1 880 (74)
406 (16)	1 727 (68)	1 105 (43.5)	2 083 (82)
610 (24)	1 930 (76)	1 308 (51.5)	2 286 (90)
813 (32)	2 134 (84)	1 511 (59.5)	2 489 (98)

Closed Construction



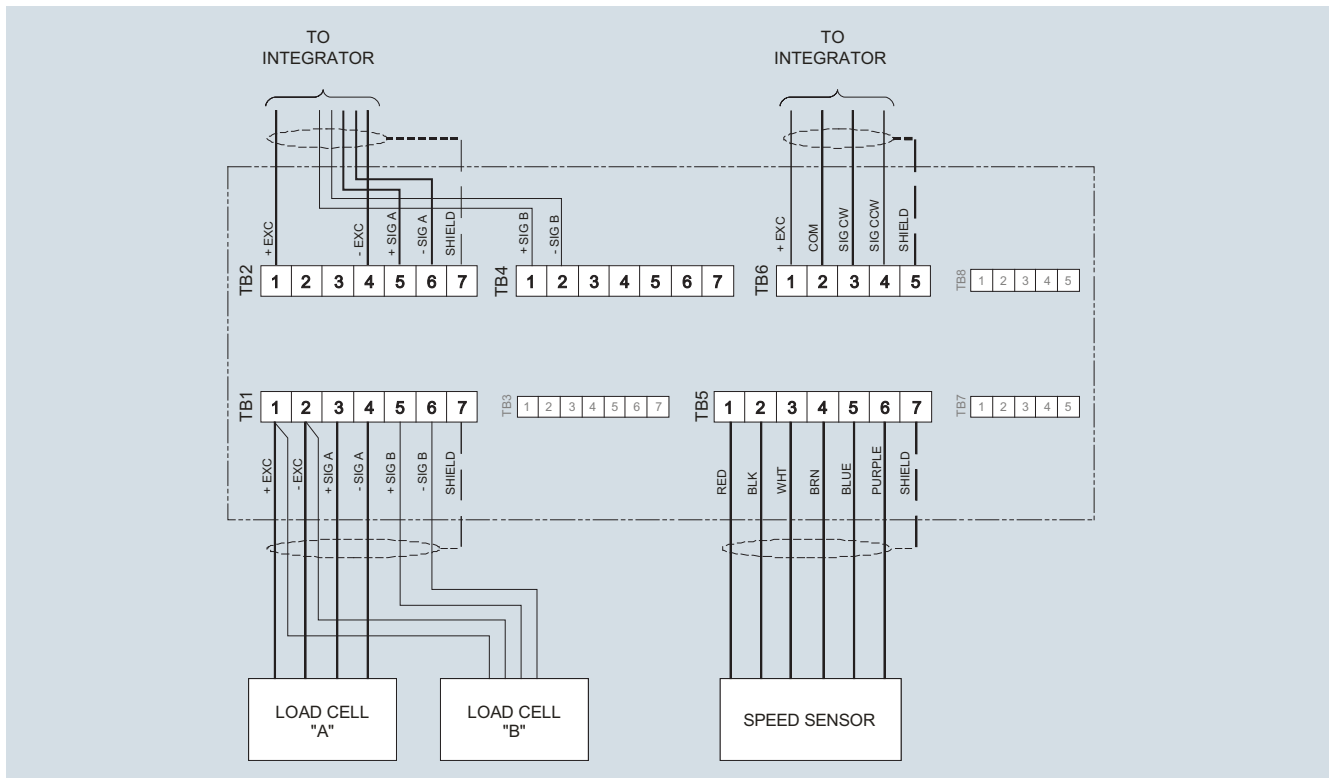
Closed Construction				
Belt width	A	B	C	Weight (STD)
305 (12)	203 (8)	737 (29)	686 (27)	600 lb/272 kg
457 (18)	356 (14)	864 (89)	838 (33)	700 lb/318 kg
610 (24)	508 (20)	1 041 (41)	991 (39)	800 lb/363 kg
762 (30)	660 (26)	1 194 (47)	1 143 (45)	900 lb/408 kg
915 (36)	813 (32)	1 346 (53)	1 295 (51)	1 000 lb/453 kg
1 067 (42)	965 (38)	1 499 (59)	1 448 (57)	1 100 lb/499 kg
1 219 (48)	1 118 (44)	1 651 (65)	1 600 (63)	1 200 lb/544 kg

Length adder	E	F	G
STD	1 321 (52)	698 (27.5)	1 676 (66)
203 (8)	1 524 (60)	902 (35.5)	1 880 (74)
406 (16)	1 727 (68)	1 105 (43.5)	2 083 (82)
610 (24)	1 930 (76)	1 308 (51.5)	2 286 (90)
813 (32)	2 134 (84)	1 511 (59.5)	2 489 (98)

SITRANS WW200 dimensions in mm (inch)

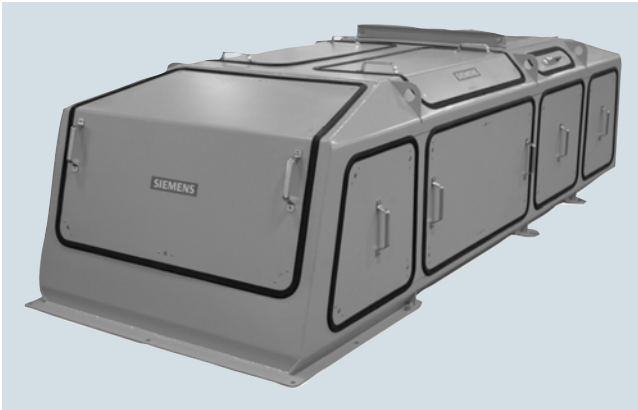
SITRANS Weighfeeders

SITRANS WW200

Dimensional drawings and schematics**Schematics**

SITRANS WW200 connections

Overview



SITRANS WW300 is a medium- to high-capacity weighfeeder used for macro ingredient additives.

Benefits

- Rugged, durable design for heavy-duty applications
- Handles medium- to high-capacity loads
- Standard mild steel open or enclosed construction
- Heavy-duty 102 mm (4 inch) diameter idlers
- Large 203 mm (8 inch) minimum diameter head and tail pulleys for maximum traction
- Patented design
- Easy to replace endless belt
- Gravity tensioned belt cleaner
- Fast installation, easy to clean and maintain
- Outboard mounted load cells with protective cover

Application

SITRANS WW300 is designed for industrial applications such as mining, cement, chemical processing, pulp and paper, and other heavy-duty industries.

Field tested and proven in hundreds of applications, it enhances profitability by ensuring accuracy, enhancing blend consistency, reducing downtime, and improving accountability and record keeping. The unique weigh system reduces dead load and applies live load directly to load cells for accurate measurement. The dual load cells are externally mounted for easy access and maintenance.

It is available in a variety of lengths from 1.6 m (63 inch), belt widths from under 0.5 m (18 inch) to 1.8 m (72 inch), several different inlet configurations and materials of construction. It can be configured to suit various applications.

Standard components include CEMA C rated idlers, belt tracking rollers, hinged access panels on enclosed units, integral lifting points for easy installation, a belt scraper and plow for self-cleaning.

SITRANS Weighfeeders

SITRANS WW300

Introduction

Technical specifications

SITRANS WW300	
Mode of operation	
Measuring principle	Strain gauge load cells and digital speed sensor
Typical application	Industrial and process applications in feeding, blending or rationing in gypsum manufacturing
Measuring accuracy	
Accuracy ¹⁾	± 0.5 % or better
Specified range	10 ... 100 % based on speed
Design rate range	4.5 ... 800 t/h (5 ... 880 STPH)
Max volumetric flow	1 284 m ³ /h (44 800 ft ³ /h)
Medium conditions	
Operating temperature	-10 ... +55 °C (14 ... 131 °F)
Material	Mild steel with stainless steel [304 (1.4301) or 316 (1.4401)], bead blast finish (1 ... 6 µm, 40 ... 240 µin) or abrasion resistant contact parts optional
Load cells	
Construction	17-4 PH (1.4568) stainless steel or nickel plated alloy steel
Degree of protection	- Stainless steel: IP67 - Nickel plated alloy steel: IP66
Excitation	10 V DC nominal, 15 V DC maximum
Output	2 mV/V
Non-linearity	± 0.02 % of rated output
Non-repeatability	± 0.01 % of rated output
Capacity	- Stainless steel range: 25, 50, 100, 250, 500 lb - Nickel-plated range: 10, 15, 20, 30, 50, 75, 100 kg
Overload	150 % of rated capacity
Temperature	- Operating range: -40 ... +65 °C (-40 ... +150 °F) - Compensated: -10 ... +40 °C (15 ... 105 °F)
Speed sensor	
Optical encoder output	RS 422 (TTL) 5 V DC, 150 mA max., 500, 1 000, or 2 000 ppr
Temperature	-10 ... +70 °C (14 ... 158 °F)
Degree of protection	IP64
WS300 Output	See page 4/45 (optional)
C-flange mounted magnetic pulse generator output	Open collector, NPN, sinking output, max. 17 mA, 60 ppr
Temperature	-40 ... +105 °C (-40 ... +220 °F)
Degree of protection	IP67

SITRANS WW300	
Belt tracking switch	
Aluminum spring rod (un-wired)	1 NO, 1 NC switch blocks - Rated operating voltage 600 V AC max.
Temperature	-30 ... +85 °C (-22 ... +185 °F)
Degree of protection	IP67
Framework	- Painted structural steel - Cantilevered design for easy belt replacement
Pulleys	200 mm (8 inch) minimum, 508 mm (20 inch) maximum, pulley diameter crowned with 6 mm (¼ inch) rubber lagging on drive pulley for maximum traction
Idlers	Heavy-duty 100 mm (4 inch) CEMA C with precision ground ball bearings and triple labyrinth seals for longer life, CEMA D, E IMPACT where required
Belt speed	0.005 ... 0.36 m/s (1 ... 70 fpm)
Bearings	4 bolt flange style
Belting	- Black rubber, 150 ... 440 PIW 2 ply vulcanized endless with 'B' section (standard) - Up to 127 mm (5 inch) corrugated sidewalls (optional) - Maximum rated material temperature of 107 °C (225 °F) - Butyl HT belt rated for max material temp of 204 °C (400 °F) - Nitrile belt rated for max material temp of 121 °C (250 °F)
Belt tension	- Screw type, telescoper module with 150 mm (6 inch) minimum travel - Gravity tensioned self-steering belt tracker (optional)
Belt cleaning	- Gravity tensioned UHMW blade at head pulley - Return plow at tail pulley
Drive motor	AC, TEFC, 10:1 CT inverter duty, drive motor with direct coupled flange mounted hollow bore KAF gear reducer, 1.2 service factor min.
Shipping weight	410 kg (900 lb) minimum
Approvals	- CE on all electrical components - Hazardous approvals per configuration options. Note: Weighfeeder as a whole is not approved for hazardous locations, only electrical components.

Pulley diameter	Shaft diameter	Bearing diameter	Telescoper stroke	Infeed length	Skirtboard height
8 inch	2 ... 15/16 inch	1 ... 15/16 inch	6 inch	16 inch	8 inch
10 inch	3 ... 7/16 inch	2 ... 7/16 inch	6 inch	24 inch	10 inch
12 inch	3 ... 15/16 inch	2 ... 15/16 inch	9 inch	30 inch	12 inch
14 inch	4 ... 7/16 inch	3 ... 7/16 inch	9 inch	36 inch	14 inch

¹⁾ Accuracy subject to: On factory approved installations, the weighfeeder system's totalized weight will be within the specified accuracy when compared to a known weighed material test sample.
The test rate must be within the specified range of the design capacity and held constant for the duration of the test.
The minimum material test sample must be equivalent to a sample obtained at the test flow rate for three revolutions of the belt or at least ten minutes running time, whichever is greater.

SITRANS Weighfeeders

SITRANS WW300

8 inch pulley, open style

Selection and ordering data		Article No.			Article No.
SITRANS WW300, 8 inch pulley, open style		7MH7400-	SITRANS WW300, 8 inch pulley, open style		7MH7400-
High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.			High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.		
Add order code Y71 ... Y75 for all models to specify design data and add 1 of order code series G30 ... 37 gear reducer.			111 inch (2 819 mm)		3 E
Painted mild steel, open style, with C/L infeed to C/L discharge			123 inch (3 124 mm)		3 F
<u>18 inch (457 mm) belt width</u>			135 inch (3 429 mm)		3 G
63 inch (1 600 mm)	0 A		147 inch (3 734 mm)		3 H
75 inch (1 905 mm)	0 B		159 inch (4 039 mm)		3 J
87 inch (2 210 mm)	0 C		171 inch (4 343 mm)		3 K
99 inch (2 515 mm)	0 D		183 inch (4 648 mm)		3 L
111 inch (2 819 mm)	0 E		195 inch (4 953 mm)		3 M
123 inch (3 124 mm)	0 F		<u>42 inch (1 067 mm) belt width</u>		
135 inch (3 429 mm)	0 G		63 inch (1 600 mm)		4 A
147 inch (3 734 mm)	0 H		75 inch (1 905 mm)		4 B
159 inch (4 039 mm)	0 J		87 inch (2 210 mm)		4 C
171 inch (4 343 mm)	0 K		99 inch (2 515 mm)		4 D
183 inch (4 648 mm)	0 L		111 inch (2 819 mm)		4 E
195 inch (4 953 mm)	0 M		123 inch (3 124 mm)		4 F
<u>24 inch (610 mm) belt width</u>			135 inch (3 429 mm)		4 G
63 inch (1 600 mm)	1 A		147 inch (3 734 mm)		4 H
75 inch (1 905 mm)	1 B		159 inch (4 039 mm)		4 J
87 inch (2 210 mm)	1 C		171 inch (4 343 mm)		4 K
99 inch (2 515 mm)	1 D		183 inch (4 648 mm)		4 L
111 inch (2 819 mm)	1 E		195 inch (4 953 mm)		4 M
123 inch (3 124 mm)	1 F		<u>48 inch (1 219 mm) belt width</u>		
135 inch (3 429 mm)	1 G		63 inch (1 600 mm)		5 A
147 inch (3 734 mm)	1 H		75 inch (1 905 mm)		5 B
159 inch (4 039 mm)	1 J		87 inch (2 210 mm)		5 C
171 inch (4 343 mm)	1 K		99 inch (2 515 mm)		5 D
183 inch (4 648 mm)	1 L		111 inch (2 819 mm)		5 E
195 inch (4 953 mm)	1 M		123 inch (3 124 mm)		5 F
<u>30 inch (762 mm) belt width</u>			135 inch (3 429 mm)		5 G
63 inch (1 600 mm)	2 A		147 inch (3 734 mm)		5 H
75 inch (1 905 mm)	2 B		159 inch (4 039 mm)		5 J
87 inch (2 210 mm)	2 C		171 inch (4 343 mm)		5 K
99 inch (2 515 mm)	2 D		183 inch (4 648 mm)		5 L
111 inch (2 819 mm)	2 E		195 inch (4 953 mm)		5 M
123 inch (3 124 mm)	2 F		<u>54 inch (1 372 mm) belt width</u>		
135 inch (3 429 mm)	2 G		63 inch (1 600 mm)		6 A
147 inch (3 734 mm)	2 H		75 inch (1 905 mm)		6 B
159 inch (4 039 mm)	2 J		87 inch (2 210 mm)		6 C
171 inch (4 343 mm)	2 K		99 inch (2 515 mm)		6 D
183 inch (4 648 mm)	2 L		111 inch (2 819 mm)		6 E
195 inch (4 953 mm)	2 M		123 inch (3 124 mm)		6 F
<u>36 inch (914 mm) belt width</u>			135 inch (3 734 mm)		6 G
63 inch (1 600 mm)	3 A		147 inch (3 734 mm)		6 H
75 inch (1 905 mm)	3 B		159 inch (4 039 mm)		6 J
87 inch (2 210 mm)	3 C		171 inch (4 343 mm)		6 K
99 inch (1 905 mm)	3 D		183 inch (4 648 mm)		6 L
			195 inch (4 953 mm)		6 M

SITRANS Weighfeeders

SITRANS WW300

8 inch pulley, open style

Selection and ordering data

Article No.

Article No.

SITRANS WW300, 8 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Load cell

Nickel plated steel

10 kg (22 lb)

15 kg (33 lb)

20 kg (44 lb)

30 kg (66 lb)

50 kg (110 lb)

75 kg (165 lb)

100 kg (220 lb)

MCS, Class II, Div. 1 Groups E, F, and G, Class III/
Atex II 2D Ex tD A21 IP65 T70 °C

25 lb (11 kg)

50 lb (23 kg)

100 lb (45 kg)

250 lb (113 kg)

500 lb (227 kg)

Material containment construction

None

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch"

Shear gate inlet

Mild steel (no skirtboards)

AR400 steel (no skirtboards)

304 stainless steel (no skirtboards)

Skirtboards mild steel

Skirtboards AR400 steel

Skirtboards 304 stainless steel

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

32 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

256 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

1 000 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

2 000 PPR WS300

Motor mounted

60 PPR magnetic p/u

Drive configuration

Add order code Y75 reduction ratio in plain text:
"X:1".

Standard AC motor

0.25 HP (0.19 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

7MH7400-

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SITRANS WW300, 8 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

1.5 HP (1.12 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 575 V 3 ph 60 Hz

3 HP (2.24 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 kW) 575 V 3 ph 60 Hz

5 HP (3.73 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 kW) 575 V 3 ph 60 Hz

Class I, Div. 1, Groups C and D, Class II, Div. 1,
Groups F and G, AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

1.5 HP (1.12 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 575 V 3 ph 60 Hz

3 HP (2.24 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 kW) 575 V 3 ph 60 Hz

5 HP (3.73 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 kW) 575 V 3 ph 60 Hz

ATEX II 2D, AC motor

0.25 HP (0.19 kW) 400 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 400 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 400 V 3 ph 50/60 Hz

1 HP (0.75 kW) 400 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 400 V 3 ph 50/60 Hz

3 HP (2.24 kW) 400 V 3 ph 50/60 Hz

5 HP (3.73 kW) 400 V 3 ph 50/60 Hz

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SITRANS Weighfeeders

SITRANS WW300

8 inch pulley, open style

Selection and ordering data	Article No.	Order Code
SITRANS WW300, 8 inch pulley, open style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7400- 	Skirtboard seals for floodable materials: SBR adjustable skirtboard seals to contain material G72
Belting <u>SBR150 PIW</u> 2 ply 2 ply with B-section flange walls 2 ply with 1 inch (25 mm) flange walls 2 PLY with 2 inch (50 mm) corrugated side walls	A B C D	Shear curtain for dusty applications and floodable materials G11
<u>Butyl 90 PIW</u> 3 ply HT 150 °C (300 °F) 3 ply with B-section flange walls HT 150 °C (300 °F) 3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F) 3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F)	E F G H	Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only) G16 Plugged discharge chute detection: CLS100 Capacitance switch G12
<u>Nitrile 135 PIW</u> 3 ply 3 ply with B-section flange walls 3 ply with 1 inch (25 mm) flange walls 3 ply with 2 inch (50 mm) corrugated side walls	J K L M	Local push button station: Siemens start, stop auto/manual, speed control, E-stop hand held operator G13
Belt change access side (looking from inlet to discharge) Left hand Right hand	0 1	Manufacturer's test certificate: According to EN 10204-2.2 C11 Stainless steel tag (69 x 50 mm), measuring-point number/identification (max. 27 characters), specify in plain text Y15 Discharge dust hood: painted mild steel with de-dust port H50
Further designs Please add "-Z" to article no. and specify order code(s).	Order Code	Custom design Specify quote reference when ordering Y99
Shear gate arc radius: Enter shear gate arc radius in inches	Y74	Operating instructions • English Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.
Enter design units (TPH, MTPH, lb/h, kg/h)	Y71	
Enter design speed (ft/m, m/s)	Y72	
Enter design capacity/rate	Y73	
AC gearmotor reduction ratio: Enter reduction ratio in plain text	Y75	
Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)	Y01	
<u>Gear reducer (select only one)</u>		
KAZ48	G30	
KAZ68	G31	
<u>Infeed idler style (if CEMA C is not acceptable)</u>		
CEMA D style	G60	
CEMA E style	G61	
<u>Carrying idler style (if CEMA C is not acceptable)</u>		
CEMA D style	G65	
CEMA E style	G66	
<u>Hazardous location approved tracking switches</u>		
Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G	E90	
ATEX II 2D	E91	
Safety pull cord switches: 1 pull cord on each side of weighfeeder for emergency shut down activation/alarm	G70	
Automatic belt tracking and tensioner: gravity tensioned belt tracker	G71	

SITRANS Weighfeeders**SITRANS WW300****8 inch pulley, enclosed style****Selection and ordering data**

Article No.

Article No.

SITRANS WW300, 8 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y75 for all models to specify design data and add 1 of order code series G30 ... 37 gear reducer

Painted mild steel enclosed style with C/L infeed to C/L discharge18 inch (457 mm) belt width

63 inch (1 600 mm)
75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

24 inch (610 mm) belt width

63 inch (1 600 mm)
75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

30 inch (762 mm) belt width

63 inch (1 600 mm)
75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

36 inch (914 mm) belt width

63 inch (1 600 mm)
75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (1 905 mm)

7MH7401-**0 A****0 B****0 C****0 D****0 E****0 F****0 G****0 H****0 J****0 K****0 L****0 M****1 A****1 B****1 C****1 D****1 E****1 F****1 G****1 H****1 J****1 K****1 L****1 M****2 A****2 B****2 C****2 D****2 E****2 F****2 G****2 H****2 J****2 K****2 L****2 M****3 A****3 B****3 C****3 D****SITRANS WW300, 8 inch pulley, enclosed style**

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

111 inch (2 819 mm)

123 inch (3 124 mm)

135 inch (3 429 mm)

147 inch (3 734 mm)

159 inch (4 039 mm)

171 inch (4 343 mm)

183 inch (4 648 mm)

95 inch (4 953 mm)

42 inch (1 067 mm) belt width

63 inch (1 600 mm)

75 inch (1 905 mm)

87 inch (2 210 mm)

99 inch (2 515 mm)

111 inch (2 819 mm)

123 inch (3 124 mm)

135 inch (3 429 mm)

147 inch (3 734 mm)

159 inch (4 039 mm)

171 inch (4 343 mm)

183 inch (4 648 mm)

195 inch (4 953 mm)

48 inch (1 219 mm) belt width

63 inch (1 600 mm)

75 inch (1 905 mm)

87 inch (2 210 mm)

99 inch (2 515 mm)

111 inch (2 819 mm)

123 inch (3 124 mm)

135 inch (3 429 mm)

147 inch (3 734 mm)

159 inch (4 039 mm)

171 inch (4 343 mm)

183 inch (4 648 mm)

195 inch (4 953 mm)

54 inch (1 372 mm) belt width

63 inch (1 600 mm)

75 inch (1 905 mm)

87 inch (2 210 mm)

99 inch (2 515 mm)

111 inch (2 819 mm)

123 inch (3 124 mm)

135 inch (3 734 mm)

147 inch (3 734 mm)

159 inch (4 039 mm)

171 inch (4 343 mm)

183 inch (4 648 mm)

195 inch (4 953 mm)

7MH7401-**3 E****3 F****3 G****3 H****3 J****3 K****3 L****3 M****4 A****4 B****4 C****4 D****4 E****4 F****4 G****4 H****4 J****4 K****4 L****4 M****5 A****5 B****5 C****5 D****5 E****5 F****5 G****5 H****5 J****5 K****5 L****5 M****6 A****6 B****6 C****6 D****6 E****6 F****6 G****6 H****6 J****6 K****6 L****6 M**

SITRANS Weighfeeders

SITRANS WW300

8 inch pulley, enclosed style

Selection and ordering data	Article No.	Article No.
SITRANS WW300, 8 inch pulley, enclosed style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7401- <	

SITRANS Weighfeeders

SITRANS WW300

8 inch pulley, enclosed style

Selection and ordering data

Article No.

Order Code

SITRANS WW300, 8 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

7MH7401-



Belting

SBR, 150 PIW

2 ply

2 ply with B-section flange walls

2 ply with 1 inch (25 mm) flange walls

2 ply with 2 inch (50 mm) corrugated side walls

Butyl, 90 PIW

3 ply HT 150 °C (300 °F)

3 ply with B-section flange walls HT 150 °C (300 °F)

3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F)

3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F)

Nitrile 135 PIW

3 ply

3 ply with B-section flange walls

3 ply with 1 inch (25 mm) flange walls

3 ply with 2 inch (50 mm) corrugated side walls

Belt change access side (looking from inlet to discharge)

Left hand

Right hand

Further designs

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius: Enter shear gate arc radius in inches

Enter design units (TPH, MTPH, lb/h, kg/h)

Enter design speed (ft/m, m/s)

Enter design capacity/rate

AC gearmotor reduction ratio: Enter reduction ratio in plain text

Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Gear reducer (select only one)

KAZ48

KAZ68

Bottom covers and dust tight seals

18 inch belt width

24 inch belt width

30 inch belt width

36 inch belt width

42 inch belt width

48 inch belt width

54 inch belt width

Carry idler style (if CEMA C is not acceptable) only one option per configuration

CEMA D style

CEMA E style

Hazardous location approved tracking switches

Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G

ATEX II 2D

Drag chain clean-out conveyor

18 inch belt width

24 inch belt width

30 inch belt width

36 inch belt width

42 inch belt width

48 inch belt width

54 inch belt width

Safety pull cord switches: 1 pull cord on each side of weighfeeder for emergency shut down activation/alarm

Automatic belt tracking and tensioner: gravity tensioned belt tracker

Skirtboard seals for floodable materials: SBR adjustable skirtboard seals to contain material

Shear curtain for dusty applications and floodable materials

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)

Plugged discharge chute detection: CLS100 Capacitance switch

Local push button station: Siemens start, stop auto/manual, speed control, E-stop hand held operator

Manufacturer's test certificate: According to EN 10204-2.2

Stainless steel tag (69 x 50 mm), measuring-point number/identification (max. 27 characters), specify in plain text.

Custom design

Specify quote reference when ordering.

Operating instructions

English

Note: The operating instructions should be ordered as a separate item on the order.

This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

E90

E91

G80

G81

G82

G83

G84

G85

G86

G70

G71

G72

G11

G16

G12

G13

C11

Y15

Y99

Article No.

A5E33560691

SITRANS Weighfeeders

SITRANS WW300

10 inch pulley, open style

Selection and ordering data		Article No.	Article No.
SITRANS WW300, 10 inch pulley, open style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings. Add order code Y71 ... Y75 for all models to specify design data and add 1 of order code series G30 ... 37 gear reducer Painted mild steel, open style, C/L infeed to C/L discharge <u>18 inch (457 mm) belt width</u> 75 inch (1 905 mm) 87 inch (2 210 mm) 99 inch (2 515 mm) 111 inch (2 819 mm) 123 inch (3 124 mm) 135 inch (3 429 mm) 147 inch (3 734 mm) 159 inch (4 039 mm) 171 inch (4 343 mm) 183 inch (4 648 mm) 195 inch (4 953 mm) <u>24 inch (610 mm) belt width</u> 75 inch (1 905 mm) 87 inch (2 210 mm) 99 inch (2 515 mm) 111 inch (2 819 mm) 123 inch (3 124 mm) 135 inch (3 429 mm) 147 inch (3 734 mm) 159 inch (4 039 mm) 171 inch (4 343 mm) 183 inch (4 648 mm) 195 inch (4 953 mm) <u>30 inch (762 mm) belt width</u> 75 inch (1 905 mm) 87 inch (2 210 mm) 99 inch (2 515 mm) 111 inch (2 819 mm) 123 inch (3 124 mm) 135 inch (3 429 mm) 147 inch (3 734 mm) 159 inch (4 039 mm) 171 inch (4 343 mm) 183 inch (4 648 mm) 195 inch (4 953 mm) <u>36 inch (914 mm) belt width</u> 75 inch (1 905 mm) 87 inch (2 210 mm) 99 inch (1 905 mm) 111 inch (2 819 mm) 123 inch (3 124 mm) 135 inch (3 429 mm) 147 inch (3 734 mm)	7MH7402- 0 B 0 C 0 D 0 E 0 F 0 G 0 H 0 J 0 K 0 L 0 M 1 B 1 C 1 D 1 E 1 F 1 G 1 H 1 J 1 K 1 L 1 M 2 B 2 C 2 D 2 E 2 F 2 G 2 H 2 J 2 K 2 L 2 M 3 B 3 C 3 D 3 E 3 F 3 G 3 H	SITRANS WW300, 10 inch pulley, open style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings. 159 inch (4 039 mm) 171 inch (4 343 mm) 183 inch (4 648 mm) 195 inch (4 953 mm) <u>42 inch (1 067 mm) belt width</u> 75 inch (1 905 mm) 87 inch (2 210 mm) 99 inch (2 515 mm) 111 inch (2 819 mm) 123 inch (3 124 mm) 135 inch (3 429 mm) 147 inch (3 734 mm) 159 inch (4 039 mm) 171 inch (4 343 mm) 183 inch (4 648 mm) 195 inch (4 953 mm) <u>48 inch (1 219 mm) belt width</u> 75 inch (1 905 mm) 87 inch (2 210 mm) 99 inch (2 515 mm) 111 inch (2 819 mm) 123 inch (3 124 mm) 135 inch (3 429 mm) 147 inch (3 734 mm) 159 inch (4 039 mm) 171 inch (4 343 mm) 183 inch (4 648 mm) 195 inch (4 953 mm) <u>54 inch (1 372 mm) belt width</u> 75 inch (1 905 mm) 87 inch (2 210 mm) 99 inch (2 515 mm) 111 inch (2 819 mm) 123 inch (3 124 mm) 135 inch (3 734 mm) 147 inch (3 734 mm) 159 inch (4 039 mm) 171 inch (4 343 mm) 183 inch (4 648 mm) 195 inch (4 953 mm)	7MH7402- 3 J 3 K 3 L 3 M 4 B 4 C 4 D 4 E 4 F 4 G 4 H 4 J 4 K 4 L 4 M 5 B 5 C 5 D 5 E 5 F 5 G 5 H 5 J 5 K 5 L 5 M 6 B 6 C 6 D 6 E 6 F 6 G 6 H 6 J 6 K 6 L 6 M

SITRANS Weighfeeders

SITRANS WW300

10 inch pulley, open style

Selection and ordering data

Article No.

Article No.

SITRANS WW300, 10 inch pulley, open style

7MH7402-

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Load cell

Nickel plated steel

10 kg (22 lb)

15 kg (33 lb)

20 kg (44 lb)

30 kg (66 lb)

50 kg (110 lb)

75 kg (165 lb)

100 kg (220 lb)

MCS, Class II, Div. 1 Groups E, F, and G, Class III/
Atex II 2D Ex tD A21 IP65 T70 °C

25 lb (11 kg)

50 lb (23 kg)

100 lb (45 kg)

250 lb (113 kg)

500 lb (227 kg)

Material containment construction

None

Add order code Y74 and plain text: "Arc radius in
inches ...XX.XXX inch"

Shear gate inlet

Mild steel (no skirtboards)

AR400 steel (no skirtboards)

304 stainless steel (no skirtboards)

Skirtboards mild steel

Skirtboards AR400 steel

Skirtboards 304 stainless steel

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

32 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

256 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

1 000 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

2 000 PPR WS300

Motor mounted

60 PPR magnetic p/u

SITRANS WW300, 10 inch pulley, open style

7MH7402-

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Drive configuration

Add order code Y75 reduction ratio in plain text:
"X:1".

Standard AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW) 220 ... 240/380 ... 480 V 3 ph
50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

1.5 HP (1.12 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 575 V 3 ph 60 Hz

3 HP (2.24 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 kW) 575 V 3 ph 60 Hz

5 HP (3.73 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 kW) 575 V 3 ph 60 Hz

7.5 HP (5.59 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

7.5 HP (5.59 kW) 575 V 3 ph 60 Hz

10 HP (7.46 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

10 HP (7.46 kW) 575 V 3 ph 60 Hz

15 HP (11.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

15 HP (11.19 kW) 575 V 3 ph 60 Hz

Class I, Div. 1, Groups C and D, Class II, Div. 1,
Groups F and G, AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

1.5 HP (1.12 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 575 V 3 ph 60 Hz

SITRANS Weighfeeders

SITRANS WW300

10 inch pulley, open style

Selection and ordering data	Article No.	Order Code
SITRANS WW300, 10 inch pulley, open style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7402- 	Further designs Please add "-Z" to article no. and specify order code(s).
3 HP (2.24 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 L	Shear gate arc radius: Enter shear gate arc radius in inches Y74
3 HP (2.24 kW) 575 V 3 ph 60 Hz	1 M	Enter design units (TPH, MTPH, lb/h, kg/h) Y71
5 HP (3.73 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 N	Enter design speed (ft/m, m/s) Y72
5 HP (3.73 kW) 575 V 3 ph 60 Hz	1 P	Enter design capacity/rate Y73
7.5 HP (5.59 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 Q	AC gearmotor reduction ratio: Enter reduction ratio in plain text Y75
7.5 HP (5.59 kW) 575 V 3 ph 60 Hz	1 R	Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters) Y01
10 HP (7.46 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 S	<u>Gear reducer (select only one)</u>
10 HP (7.46 kW) 575 V 3 ph 60 Hz	1 T	KAZ48 G30
15 HP (11.19 kW) 220 ... 240/380 ... 480 V 3 ph 50/60 Hz	1 U	KAZ68 G31
15 HP (11.19 kW) 575 V 3 ph 60 Hz	1 V	KAZ88 G32
<u>ATEX II 2D, AC motor</u>		KAZ108 G33
0.25 HP (0.19 kW) 400 V 3 ph 50/60 Hz	2 A	<u>Infeed idler style (if CEMA C is not acceptable)</u>
0.5 HP (0.37 kW) 400 V 3 ph 50/60 Hz	2 B	CEMA D style G60
0.75 HP (0.56 kW) 400 V 3 ph 50/60 Hz	2 C	CEMA E style G61
1 HP (0.75 kW) 400 V 3 ph 50/60 Hz	2 D	<u>Carrying idler style (if CEMA C is not acceptable)</u>
1.5 HP (1.12 kW) 400 V 3 ph 50/60 Hz	2 E	CEMA D style G65
3 HP (2.24 kW) 400 V 3 ph 50/60 Hz	2 F	CEMA E style G66
5 HP (3.73 kW) 400 V 3 ph 50/60 Hz	2 G	<u>Hazardous location approved tracking switches</u>
7.5 HP (5.59 kW) 400 V 3 ph 50/60 Hz	2 H	Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G E90
10 HP (7.46 kW) 400 V 3 ph 50/60 Hz	2 J	ATEX II 2D E91
15 HP (11.19 kW) 400 V 3 ph 50/60 Hz	2 K	Safety pull cord switches: 1 pull cord on each side of weighfeeder for emergency shut down activation/alarm G70
Belting		Automatic belt tracking and tensioner: gravity tensioned belt tracker G71
<u>SBR 150 PIW</u>		Skirtboard seals for floodable materials: SBR adjustable skirtboard seals to contain material G72
2 ply	A	Shear curtain for dusty applications and floodable materials G11
2 ply with B-section flange walls	B	
2 ply with 1 inch (25 mm) flange walls	C	
2 PLY with 2 inch (50 mm) corrugated side walls	D	Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only) G16
<u>Butyl 90 PIW</u>		Plugged discharge chute detection: CLS100 Capacitance switch G12
3 ply HT 150 °C (300 °F)	E	Local push button station: Siemens start, stop auto/manual, speed control, E-stop hand held operator G13
3 ply with B-section flange walls HT 150 °C (300 °F)	F	
3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F)	G	Manufacturer's test certificate: According to EN 10204-2.2 C11
3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F)	H	
<u>Nitrile 135 PIW</u>		Stainless steel tag (69 x 50 mm), measuring-point number/identification (max. 27 characters), specify in plain text Y15
3 ply	J	
3 ply with B-section flange walls	K	Discharge dust hood: painted mild steel with de-dust port H50
3 ply with 1 inch (25 mm) flange walls	L	
3 ply with 2 inch (50 mm) corrugated side walls	M	Custom design. Specify quote ref. when ordering Y99
Belt change access side (looking from inlet to discharge)		Operating instructions
Left hand	0	Article No. A5E33560691
Right hand	1	English
		Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

SITRANS Weighfeeders

SITRANS WW300

10 inch pulley, enclosed style

Selection and ordering data

Article No.

Article No.

SITRANS WW300, 10 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y75 for all models to specify design data and add 1 of order code series G30 ... 37 gear reducer

Painted mild steel enclosed style with C/L infeed to C/L discharge

18 inch (457 mm) belt width

75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

0 B
0 C
0 D
0 E
0 F
0 G
0 H
0 J
0 K
0 L
0 M

24 inch (610 mm) belt width

75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

1 B
1 C
1 D
1 E
1 F
1 G
1 H
1 J
1 K
1 L
1 M

30 inch (762 mm) belt width

75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

2 B
2 C
2 D
2 E
2 F
2 G
2 H
2 J
2 K
2 L
2 M

36 inch (914 mm) belt width

75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (1 905 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)

3 B
3 C
3 D
3 E
3 F
3 G
3 H

SITRANS WW300, 10 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

3 J
3 K
3 L
3 M

42 inch (1 067 mm) belt width

75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

4 B
4 C
4 D
4 E
4 F
4 G
4 H
4 J
4 K
4 L
4 M

48 inch (1 219 mm) belt width

75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 429 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

5 B
5 C
5 D
5 E
5 F
5 G
5 H
5 J
5 K
5 L
5 M

54 inch (1 372 mm) belt width

75 inch (1 905 mm)
87 inch (2 210 mm)
99 inch (2 515 mm)
111 inch (2 819 mm)
123 inch (3 124 mm)
135 inch (3 734 mm)
147 inch (3 734 mm)
159 inch (4 039 mm)
171 inch (4 343 mm)
183 inch (4 648 mm)
195 inch (4 953 mm)

6 B
6 C
6 D
6 E
6 F
6 G
6 H
6 J
6 K
6 L
6 M

SITRANS Weighfeeders

SITRANS WW300

10 inch pulley, enclosed style

Selection and ordering data	Article No.				Article No.			
SITRANS WW300, 10 inch pulley, enclosed style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7403- </							

SITRANS Weighfeeders

SITRANS WW300

10 inch pulley, enclosed style

Selection and ordering data

Article No.

Order Code

SITRANS WW300, 10 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

ATEX II 2D, AC motor

0.25 HP (0.19 kW) 400 V 3 ph 50/60 Hz
0.5 HP (0.37 kW) 400 V 3 ph 50/60 Hz
0.75 HP (0.56 kW) 400 V 3 ph 50/60 Hz
1 HP (0.75 kW) 400 V 3 ph 50/60 Hz
1.5 HP (1.12 kW) 400 V 3 ph 50/60 Hz
3 HP (2.24 kW) 400 V 3 ph 50/60 Hz
5 HP (3.73 kW) 400 V 3 ph 50/60 Hz
7.5 HP (5.59 kW) 400 V 3 ph 50/60 Hz
10 HP (7.46 kW) 400 V 3 ph 50/60 Hz
15 HP (11.19 kW) 400 V 3 ph 50/60 Hz

Belting

SBR, 150 PIW

2 ply
2 ply with B-section flange walls
2 ply with 1 inch (25 mm) flange walls
2 ply with 2 inch (50 mm) corrugated side walls

Butyl, 90 PIW

3 ply HT 150 °C (300 °F)
3 ply with B-section flange walls HT 150 °C (300 °F)
3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F)
3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F)

Nitrile 135 PIW

3 ply
3 ply with B-section flange walls
3 ply with 1 inch (25 mm) flange walls
3 ply with 2 inch (50 mm) corrugated side walls

Belt change access side (looking from inlet to discharge)

Left hand
Right hand

Further designs

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius: Enter shear gate arc radius in inches

Enter design units (TPH, MTPH, lb/h, kg/h)

Enter design speed (ft/m, m/s)

Enter design capacity/rate

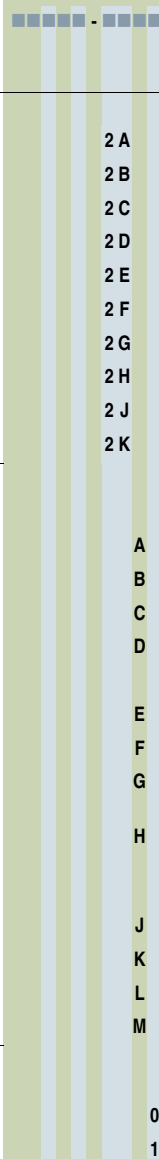
AC gearmotor reduction ratio: Enter reduction ratio in plain text

Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Gear reducer (select only one)

KAZ48
KAZ68
KAZ88
KAZ108

7MH7403-



Order Code

Y74

Y71

Y72

Y73

Y75

Y01

G30

G31

G32

G33

Bottom covers and dust tight seals

18 inch belt width
24 inch belt width
30 inch belt width
36 inch belt width
42 inch belt width
48 inch belt width
54 inch belt width

Infeed idler style (if CEMA C is not acceptable)

CEMA D style

CEMA E style

Carrying idler style (if CEMA C is not acceptable)

CEMA D style

CEMA E style

Hazardous location approved tracking switches

Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G

ATEX II 2D

Drag chain clean-out conveyor

18 inch belt width
24 inch belt width
30 inch belt width
36 inch belt width
42 inch belt width
48 inch belt width
54 inch belt width

Safety pull cord switches: 1 pull cord on each side of weighfeeder for emergency shut down activation/alarm

Automatic belt tracking and tensioner: gravity tensioned belt tracker

Shear curtain for dusty applications and floodable materials

Skirtboard seals for floodable materials: SBR adjustable skirtboard seals to contain material

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)

Plugged discharge chute detection: CLS100 Capacitance switch

Local push button station: Siemens start, stop auto/manual, speed control, E-stop hand held operator

Manufacturer's test certificate: According to EN 10204-2.2

Stainless steel tag (69 x 50 mm), measuring-point number/identification (max. 27 characters), specify in plain text

Custom design

Specify quote reference when ordering

G40

G41

G42

G43

G44

G50

G51

G60

G61

G65

G66

E90

E91

G80

G81

G82

G83

G84

G85

G86

G70

G71

G11

G72

G16

G12

G13

C11

Y15

Y99

Selection and ordering data	Article No.
<i>Operating instructions</i> English Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library	A5E33560691

SITRANS Weighfeeders

SITRANS WW300

12 inch pulley, open style

Selection and ordering data		Article No.	Article No.	
SITRANS WW300, 12 inch pulley, open style		7MH7404-	SITRANS WW300, 12 inch pulley, open style	
High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.			High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	
Load cell			Drive configuration	
<u>Nickel plated steel</u>			Add order code Y75 reduction ratio in plain text: "X:1".	
10 kg (22 lb)	A		<u>Standard AC motor</u>	
15 kg (33 lb)	B		0.25 HP (0.19 kW)	0 A
20 kg (44 lb)	C		220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
30 kg (66 lb)	D		0.25 HP (0.19 kW) 575 V 3 ph 60 Hz	0 B
50 kg (110 lb)	E		0.5 HP (0.37 kW)	0 C
75 kg (165 lb)	F		220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
100 kg (220 lb)	G		0.5 HP (0.37 kW) 575 V 3 ph 60 Hz	0 D
<u>MCS, Class II, Div. 1 Groups E, F, and G, Class III/</u>			0.75 HP (0.56 kW)	0 E
<u>Atex II 2D Ex tD A21 IP65 T70 °C</u>			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
25 lb (11 kg)	H		0.75 HP (0.56 kW) 575 V 3 ph 60 Hz	0 F
50 lb (23 kg)	J		1 HP (0.75 kW)	0 G
100 lb (45 kg)	K		220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
250 lb (113 kg)	L		1 HP (0.75 kW) 575 V 3 ph 60 Hz	0 H
500 lb (227 kg)	M		1.5 HP (1.12 kW)	0 J
			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
Material containment construction			1.5 HP (1.12 kW) 575 V 3 ph 60 Hz	0 K
None	0		3 HP (2.24 kW)	0 L
Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch"			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
<u>Shear gate inlet</u>			3 HP (2.24 kW) 575 V 3 ph 60 Hz	0 M
Mild steel (no skirtboards)	1		5 HP (3.73 kW)	0 N
AR400 steel (no skirtboards)	2		220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
304 stainless steel (no skirtboards)	3		5 HP (3.73 kW) 575 V 3 ph 60 Hz	0 P
Skirtboards mild steel	4		7.5 HP (5.59 kW)	0 Q
Skirtboards AR400 steel	5		220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
Skirtboards 304 stainless steel	6		7.5 HP (5.59 kW) 575 V 3 ph 60 Hz	0 R
Speed sensor			10 HP (7.46 kW)	0 S
<u>Shaft mounted</u>			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
500 PPR optical encoder	0		10 HP (7.46 kW) 575 V 3 ph 60 Hz	0 T
1 000 PPR optical encoder	1		15 HP (11.19 kW)	0 U
2 500 PPR optical encoder	2		220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
32 PPR WS300,	3		15 HP (11.19 kW) 575 V 3 ph 60 Hz	0 V
Class II, Div. 1 Groups E, F, and G,			<u>Class I, Div. 1, Groups C and D, Class II, Div. 1,</u>	
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C			<u>Groups F and G, AC motor</u>	
256 PPR WS300,	4		0.25 HP (0.19 kW)	1 A
Class II, Div. 1 Groups E, F, and G,			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C			0.25 HP (0.19 kW) 575 V 3 ph 60 Hz	1 B
1 000 PPR WS300,	5		0.5 HP (0.37 kW)	1 C
Class II, Div. 1 Groups E, F, and G,			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C			0.5 HP (0.37 kW) 575 V 3 ph 60 Hz	1 D
2 000 PPR WS300	6		0.75 HP (0.56 kW)	1 E
<u>Motor mounted</u>			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
60 PPR magnetic p/u	7		0.75 HP (0.56 kW) 575 V 3 ph 60 Hz	1 F
			1 HP (0.75 kW)	1 G
			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
			1 HP (0.75 kW) 575 V 3 ph 60 Hz	1 H
			1.5 HP (1.12 kW)	1 J
			220 ... 240/380 ... 480 V 3 ph 50/60 Hz	
			1.5 HP (1.12 kW) 575 V 3 ph 60 Hz	1 K

SITRANS Weighfeeders

SITRANS WW300

12 inch pulley, open style

Selection and ordering data

Article No.

Order Code

SITRANS WW300, 12 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

3 HP (2.24 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 kW) 575 V 3 ph 60 Hz

5 HP (3.73 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 kW) 575 V 3 ph 60 Hz

7.5 HP (5.59 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

7.5 HP (5.59 kW) 575 V 3 ph 60 Hz

10 HP (7.46 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

10 HP (7.46 kW) 575 V 3 ph 60 Hz

15 HP (11.19 kW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

15 HP (11.19 kW) 575 V 3 ph 60 Hz

ATEX II 2D, AC motor

0.25 HP (0.19 kW) 400 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 400 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 400 V 3 ph 50/60 Hz

1 HP (0.75 kW) 400 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 400 V 3 ph 50/60 Hz

3 HP (2.24 kW) 400 V 3 ph 50/60 Hz

5 HP (3.73 kW) 400 V 3 ph 50/60 Hz

7.5 HP (5.59 kW) 400 V 3 ph 50/60 Hz

10 HP (7.46 kW) 400 V 3 ph 50/60 Hz

15 HP (11.19 kW) 400 V 3 ph 50/60 Hz

Belting

SBR 150 PIW

2 ply

2 ply with B-section flange walls

2 ply with 1 inch (25 mm) flange walls

2 PLY with 2 inch (50 mm) corrugated side walls

Butyl 90 PIW

3 ply HT 150 °C (300 °F)

3 ply with B-section flange walls HT 150 °C (300 °F)

3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F)

3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F)

Nitrile 135 PIW

3 ply

3 ply with B-section flange walls

3 ply with 1 inch (25 mm) flange walls

3 ply with 2 inch (50 mm) corrugated side walls

Belt change access side (looking from inlet to discharge)

Left hand

Right hand

7MH7404-



1 L

1 M

1 N

1 P

1 Q

1 R

1 S

1 T

1 U

1 V

2 A

2 B

2 C

2 D

2 E

2 F

2 G

2 H

2 J

2 K

A

B

C

D

E

F

G

H

J

K

L

M

0

1

Further designs

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius: Enter shear gate arc radius in inches

Enter design units (TPH, MTPH, lb/h, kg/h)

Enter design speed (ft/m, m/s)

Enter design capacity/rate

AC gearmotor reduction ratio: Enter reduction ratio in plain text

Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Gear reducer (select only one)

KAZ48

KAZ68

KAZ88

KAZ108

Infeed idler style (if CEMA C is not acceptable)

CEMA D style

CEMA E style

Carrying idler style (if CEMA C is not acceptable)

CEMA D style

CEMA E style

Hazardous location approved tracking switches

Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G

ATEX II 2D

Safety pull cord switches: 1 pull cord on each side of weighfeeder for emergency shut down activation/alarm

Automatic belt tracking and tensioner: gravity tensioned belt tracker

Skirtboard seals for floodable materials: SBR adjustable skirtboard seals to contain material

Shear curtain for dusty applications and floodable materials

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)

Plugged discharge chute detection: CLS100 Capacitance switch

Local push button station: Siemens start, stop auto/manual, speed control, E-stop hand held operator

Manufacturer's test certificate: According to EN 10204-2.2

Stainless steel tag (69 x 50 mm), measuring-point number/identification (max. 27 characters), specify in plain text

Discharge dust hood: painted mild steel with de-dust port

Custom design. Specify quote ref. when ordering

Operating instructions

• English

Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

Y74

Y71

Y72

Y73

Y75

Y01

G30

G31

G32

G33

G60

G61

G65

G66

E90

E91

G70

G71

G72

G11

G16

G12

G13

C11

Y15

H50

Y99

Article No.

A5E33560691

Selection and ordering data		Article No.	Article No.	
SITRANS WW300, 12 inch pulley, enclosed style		7MH7405-	SITRANS WW300, 12 inch pulley, enclosed style	
High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.			High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	
Add order code Y71 ... Y75 for all models to specify design data and add 1 of order code series G30 ... 37 gear reducer			<u>42 inch (1 067 mm) belt width</u>	
Painted mild steel enclosed style with C/L infeed to C/L discharge			87 inch (2 210 mm)	
<u>18 inch (457 mm) belt width</u>			99 inch (2 515 mm)	
87 inch (2 210 mm)	0 C		111 inch (2 819 mm)	
99 inch (2 515 mm)	0 D		123 inch (3 124 mm)	
111 inch (2 819 mm)	0 E		135 inch (3 429 mm)	
123 inch (3 124 mm)	0 F		147 inch (3 734 mm)	
135 inch (3 429 mm)	0 G		159 inch (4 039 mm)	
147 inch (3 734 mm)	0 H		171 inch (4 343 mm)	
159 inch (4 039 mm)	0 J		183 inch (4 648 mm)	
171 inch (4 343 mm)	0 K		195 inch (4 953 mm)	
183 inch (4 648 mm)	0 L		<u>48 inch (1 219 mm) belt width</u>	
195 inch (4 953 mm)	0 M		87 inch (2 210 mm)	
<u>24 inch (610 mm) belt width</u>			99 inch (2 515 mm)	
87 inch (2 210 mm)	1 C		111 inch (2 819 mm)	
99 inch (2 515 mm)	1 D		123 inch (3 124 mm)	
111 inch (2 819 mm)	1 E		135 inch (3 429 mm)	
123 inch (3 124 mm)	1 F		147 inch (3 734 mm)	
135 inch (3 429 mm)	1 G		159 inch (4 039 mm)	
147 inch (3 734 mm)	1 H		171 inch (4 343 mm)	
159 inch (4 039 mm)	1 J		171 inch (4 343 mm)	
171 inch (4 343 mm)	1 K		183 inch (4 648 mm)	
183 inch (4 648 mm)	1 L		195 inch (4 953 mm)	
195 inch (4 953 mm)	1 M		<u>54 inch (1 372 mm) belt width</u>	
<u>30 inch (762 mm) belt width</u>			87 inch (2 210 mm)	
87 inch (2 210 mm)	2 C		99 inch (2 515 mm)	
99 inch (2 515 mm)	2 D		111 inch (2 819 mm)	
111 inch (2 819 mm)	2 E		123 inch (3 124 mm)	
123 inch (3 124 mm)	2 F		135 inch (3 734 mm)	
135 inch (3 429 mm)	2 G		147 inch (3 734 mm)	
147 inch (3 734 mm)	2 H		159 inch (4 039 mm)	
159 inch (4 039 mm)	2 J		171 inch (4 343 mm)	
171 inch (4 343 mm)	2 K		183 inch (4 648 mm)	
183 inch (4 648 mm)	2 L		195 inch (4 953 mm)	
195 inch (4 953 mm)	2 M			
<u>36 inch (914 mm) belt width</u>			87 inch (2 210 mm)	
87 inch (2 210 mm)	3 C		99 inch (1 905 mm)	
99 inch (1 905 mm)	3 D		111 inch (2 819 mm)	
111 inch (2 819 mm)	3 E		123 inch (3 124 mm)	
123 inch (3 124 mm)	3 F		135 inch (3 429 mm)	
135 inch (3 429 mm)	3 G		147 inch (3 734 mm)	
147 inch (3 734 mm)	3 H		159 inch (4 039 mm)	
159 inch (4 039 mm)	3 J		171 inch (4 343 mm)	
171 inch (4 343 mm)	3 K		183 inch (4 648 mm)	
183 inch (4 648 mm)	3 L		195 inch (4 953 mm)	
195 inch (4 953 mm)	3 M			

SITRANS Weighfeeders

SITRANS WW300

12 inch pulley, enclosed style

Selection and ordering data

Article No.

Article No.

SITRANS WW300, 12 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Load cell

Nickel plated steel

10 kg (22 lb)

15 kg (33 lb)

20 kg (44 lb)

30 kg (66 lb)

50 kg (110 lb)

75 kg (165 lb)

100 kg (220 lb)

MCS, Class II, Div. 1 Groups E, F, and G, Class III/
Atex II 2D Ex tD A21 IP65 T70 °C

25 lb (11 kg)

50 lb (23 kg)

100 lb (45 kg)

250 lb (113 kg)

500 lb (227 kg)

Material containment construction

None

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch"

Shear gate inlet

Mild steel (no skirtboards)

AR400 steel (no skirtboards)

304 stainless steel (no skirtboards)

Skirtboards mild steel

Skirtboards AR400 steel

Skirtboards 304 stainless steel

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

32 PPR WS300, Class II, Div. 1 Groups E, F, and G, Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

256 PPR WS300, Class II, Div. 1 Groups E, F, and G, Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

1 000 PPR WS300, Class II, Div. 1 Groups E, F, and G, Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

2 000 PPR WS300

Motor mounted

60 PPR magnetic p/u

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1"

Standard AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

7MH7405-



A

B

C

D

E

F

G

H

J

K

L

M

0

1

2

3

4

5

6

0

1

2

3

4

5

6

7

0 A

0 B

0 C

0 D

0 E

SITRANS WW300, 12 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

1.5 HP (1.12 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 575 V 3 ph 60 Hz

3 HP (2.24 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 kW) 575 V 3 ph 60 Hz

5 HP (3.73 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 kW) 575 V 3 ph 60 Hz

7.5 HP (5.59 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

7.5 HP (5.59 kW) 575 V 3 ph 60 Hz

10 HP (7.46 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

10 HP (7.46 kW) 575 V 3 ph 60 Hz

15 HP (11.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

15 HP (11.19 kW) 575 V 3 ph 60 Hz

Class I, Div. 1, Groups C and D, Class II, Div. 1,
Groups F and G, AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

1.5 HP (1.12 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 575 V 3 ph 60 Hz

3 HP (2.24 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 kW) 575 V 3 ph 60 Hz

5 HP (3.73 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 kW) 575 V 3 ph 60 Hz

7.5 HP (5.59 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

7.5 HP (5.59 kW) 575 V 3 ph 60 Hz

10 HP (7.46 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

10 HP (7.46 kW) 575 V 3 ph 60 Hz

15 HP (11.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

15 HP (11.19 kW) 575 V 3 ph 60 Hz

7MH7405-



0 F

0 G

0 H

0 J

0 K

0 L

0 M

0 N

0 P

0 Q

0 R

0 S

0 T

0 U

0 V

1 A

1 B

1 C

1 D

1 E

1 F

1 G

1 H

1 J

1 K

1 L

1 M

1 N

1 P

1 Q

1 R

1 S

1 T

1 U

1 V

SITRANS Weighfeeders

SITRANS WW300

12 inch pulley, enclosed style

Selection and ordering data	Article No.	Order Code
SITRANS WW300, 12 inch pulley, enclosed style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7405- 	Further designs Please add "-Z" to article no. and specify order code(s).
<u>ATEX II 2D, AC motor</u> 0.25 HP (0.19 kW) 400 V 3 ph 50/60 Hz 0.5 HP (0.37 kW) 400 V 3 ph 50/60 Hz 0.75 HP (0.56 kW) 400 V 3 ph 50/60 Hz 1 HP (0.75 kW) 400 V 3 ph 50/60 Hz 1.5 HP (1.12 kW) 400 V 3 ph 50/60 Hz 3 HP (2.24 kW) 400 V 3 ph 50/60 Hz 5 HP (3.73 kW) 400 V 3 ph 50/60 Hz 7.5 HP (5.59 kW) 400 V 3 ph 50/60 Hz 10 HP (7.46 kW) 400 V 3 ph 50/60 Hz 15 HP (11.19 kW) 400 V 3 ph 50/60 Hz	2 A 2 B 2 C 2 D 2 E 2 F 2 G 2 H 2 J 2 K	Shear gate arc radius: Enter shear gate arc radius in inches Y74 Enter design units (TPH, MTPH, lb/h, kg/h) Y71 Enter design speed (ft/m, m/s) Y72 Enter design capacity/rate Y73 AC gearmotor reduction ratio: Enter reduction ratio in plain text Y75 Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters) Y01 <u>Gear reducer (select only one)</u> KAZ68 G31 KAZ88 G32 KAZ108 G33 KAZ128 G34
Belting <u>SBR, 150 PIW</u> 2 ply 2 ply with B-section flange walls 2 ply with 1 inch (25 mm) flange walls 2 ply with 2 inch (50 mm) corrugated side walls <u>Butyl, 90 PIW</u> 3 ply HT 150 °C (300 °F) 3 ply with B-section flange walls HT 150 °C (300 °F) 3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F) 3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F) <u>Nitrile 135 PIW</u> 3 ply 3 ply with B-section flange walls 3 ply with 1 inch (25 mm) flange walls 3 ply with 2 inch (50 mm) corrugated side walls <u>SBR, 220 PIW</u> 2 ply 2 ply with B-section flange walls 2 ply with 1 inch (25 mm) flange walls 2 ply with 2 inch (50 mm) corrugated side walls <u>Butyl, 220 PIW</u> 2 ply HT 200 °C (400 °F) 2 ply with B-section flange walls HT 200 °C (400 °F) 2 ply with 1 inch (25 mm) flange walls HT 200 °C (400 °F) 2 ply with 2 inch (50 mm) corrugated side walls HT 200 °C (400 °F)	A B C D E F G H J K L M N P Q R S T U V	<u>Bottom covers and dust tight seals</u> 18 inch belt width G40 24 inch belt width G41 30 inch belt width G42 36 inch belt width G43 42 inch belt width G44 48 inch belt width G50 54 inch belt width G51 <u>Infeed idler style (if CEMA C is not acceptable)</u> CEMA D style G60 CEMA E style G61 <u>Carrying idler style (if CEMA C is not acceptable)</u> CEMA D style G65 CEMA E style G66 <u>Hazardous location approved tracking switches</u> Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G E90 ATEX II 2D E91 <u>Drag chain clean-out conveyor</u> 18 inch belt width G80 24 inch belt width G81 30 inch belt width G82 36 inch belt width G83 42 inch belt width G84 48 inch belt width G85 54 inch belt width G86 Safety pull cord switches: 1 pull cord on each side of weighfeeder for emergency shut down activation/alarm G70 Automatic belt tracking and tensioner: gravity tensioned belt tracker G71 Shear curtain for dusty applications and floodable materials G11
Belt change access side (looking from inlet to discharge) Left hand Right hand	0 1	

SITRANS Weighfeeders**SITRANS WW300****12 inch pulley, enclosed style****Selection and ordering data****Order Code**

Skirtboard seals for floodable materials: SBR adjustable skirtboard seals to contain material

G72

Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)

G16

Plugged discharge chute detection: CLS100 Capacitance switch

G12

Local push button station: Siemens start, stop auto/manual, speed control, E-stop hand held operator

G13

Manufacturer's test certificate: According to EN 10204-2.2

C11

Stainless steel tag (69 x 50 mm), measuring-point number/identification (max. 27 characters), specify in plain text

Y15

Custom design. Specify quote ref. when ordering

Y99***Operating instructions***

Article No.

English

A5E33560691

Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

SITRANS Weighfeeders

SITRANS WW300

14 inch pulley, open style

Selection and ordering data		Article No.	Article No.	
SITRANS WW300, 14 inch pulley, open style		7MH7406-	SITRANS WW300, 14 inch pulley, open style	
High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.			High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	
Add order code Y71 ... Y75 for all models to specify design data and add 1 of order code series G30 ... 37 gear reducer			<u>42 inch (1 067 mm) belt width</u>	
Painted mild steel, open style, with C/L infeed to C/L discharge			99 inch (2 515 mm)	
<u>18 inch (457 mm) belt width</u>			111 inch (2 819 mm)	
99 inch (2 515 mm)	0 D		123 inch (3 124 mm)	4 D
111 inch (2 819 mm)	0 E		135 inch (3 429 mm)	4 E
123 inch (3 124 mm)	0 F		147 inch (3 734 mm)	4 F
135 inch (3 429 mm)	0 G		159 inch (4 039 mm)	4 G
147 inch (3 734 mm)	0 H		171 inch (4 343 mm)	4 H
159 inch (4 039 mm)	0 J		183 inch (4 648 mm)	4 J
171 inch (4 343 mm)	0 K		195 inch (4 953 mm)	4 K
183 inch (4 648 mm)	0 L			4 L
195 inch (4 953 mm)	0 M		<u>48 inch (1 219 mm) belt width</u>	4 M
<u>24 inch (610 mm) belt width</u>			99 inch (2 515 mm)	5 D
99 inch (2 515 mm)	1 D		111 inch (2 819 mm)	5 E
111 inch (2 819 mm)	1 E		123 inch (3 124 mm)	5 F
123 inch (3 124 mm)	1 F		135 inch (3 429 mm)	5 G
135 inch (3 429 mm)	1 G		147 inch (3 734 mm)	5 H
147 inch (3 734 mm)	1 H		159 inch (4 039 mm)	5 J
159 inch (4 039 mm)	1 J		171 inch (4 343 mm)	5 K
171 inch (4 343 mm)	1 K		183 inch (4 648 mm)	5 L
183 inch (4 648 mm)	1 L		195 inch (4 953 mm)	5 M
195 inch (4 953 mm)	1 M		<u>54 inch (1 372 mm) belt width</u>	
<u>30 inch (762 mm) belt width</u>			99 inch (2 515 mm)	6 D
99 inch (2 515 mm)	2 D		111 inch (2 819 mm)	6 E
111 inch (2 819 mm)	2 E		123 inch (3 124 mm)	6 F
123 inch (3 124 mm)	2 F		135 inch (3 734 mm)	6 G
135 inch (3 429 mm)	2 G		147 inch (3 734 mm)	6 H
147 inch (3 734 mm)	2 H		159 inch (4 039 mm)	6 J
159 inch (4 039 mm)	2 J		171 inch (4 343 mm)	6 K
171 inch (4 343 mm)	2 K		183 inch (4 648 mm)	6 L
183 inch (4 648 mm)	2 L		195 inch (4 953 mm)	6 M
195 inch (4 953 mm)	2 M			
<u>36 inch (914 mm) belt width</u>				
99 inch (1 905 mm)	3 D			
111 inch (2 819 mm)	3 E			
123 inch (3 124 mm)	3 F			
135 inch (3 429 mm)	3 G			
147 inch (3 734 mm)	3 H			
159 inch (4 039 mm)	3 J			
171 inch (4 343 mm)	3 K			
183 inch (4 648 mm)	3 L			
195 inch (4 953 mm)	3 M			

SITRANS Weighfeeders

SITRANS WW300

14 inch pulley, open style

Selection and ordering data

Article No.

Article No.

SITRANS WW300, 14 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Load cell

Nickel plated steel

10 kg (22 lb)

15 kg (33 lb)

20 kg (44 lb)

30 kg (66 lb)

50 kg (110 lb)

75 kg (165 lb)

100 kg (220 lb)

MCS, Class II, Div. 1 Groups E, F, and G, Class III/
Atex II 2D Ex tD A21 IP65 T70 °C

25 lb (11 kg)

50 lb (23 kg)

100 lb (45 kg)

250 lb (113 kg)

500 lb (227 kg)

Material containment construction

None

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch"

Shear gate inlet

Mild steel (no skirtboards)

AR400 steel (no skirtboards)

304 stainless steel (no skirtboards)

Skirtboards mild steel

Skirtboards AR400 steel

Skirtboards 304 stainless steel

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

32 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

256 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

1 000 PPR WS300, Class II, Div. 1 Groups E, F, and G,
Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

2 000 PPR WS300

Motor mounted

60 PPR magnetic p/u

7MH7406-



SITRANS WW300, 14 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Drive configuration

Add order code Y75 reduction ratio in plain text: "X:1".

Standard AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

1.5 HP (1.12 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 575 V 3 ph 60 Hz

3 HP (2.24 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 kW) 575 V 3 ph 60 Hz

5 HP (3.73 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 kW) 575 V 3 ph 60 Hz

7.5 HP (5.59 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

7.5 HP (5.59 kW) 575 V 3 ph 60 Hz

10 HP (7.46 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

10 HP (7.46 kW) 575 V 3 ph 60 Hz

15 HP (11.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

15 HP (11.19 kW) 575 V 3 ph 60 Hz

Class I, Div. 1, Groups C and D, Class II, Div. 1,
Groups F and G, AC motor

0.25 HP (0.19 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 kW) 575 V 3 ph 60 Hz

0.5 HP (0.37 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 kW) 575 V 3 ph 60 Hz

0.75 HP (0.56 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 kW) 575 V 3 ph 60 Hz

1 HP (0.75 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 kW) 575 V 3 ph 60 Hz

1.5 HP (1.12 kW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 kW) 575 V 3 ph 60 Hz

7MH7406-



SITRANS Weighfeeders

SITRANS WW300

14 inch pulley, open style

Selection and ordering data		Article No.	Article No.
SITRANS WW300, 14 inch pulley, open style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7406- </		

SITRANS Weighfeeders

SITRANS WW300

14 inch pulley, open style**Selection and ordering data**

Order Code

Local push button station: Siemens start, stop auto/manual, speed control, E-stop hand held operator

G13

Manufacturer's test certificate:
According to EN 10204-2.2

C11

Stainless steel tag (69 x 50 mm), measuring-point number/identification (max. 27 characters), specify in plain text

Y15

Discharge dust hood: painted mild steel with de-dust port

H50

Custom design. Specify quote ref. when ordering

Y99***Operating instructions***

Article No.

- English

A5E33560691

Note: The operating instructions should be ordered as a separate item on the order.

This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

SITRANS Weighfeeders

SITRANS WW300

14 inch pulley, enclosed style

Selection and ordering data		Article No.	Article No.
SITRANS WW300, 14 inch pulley, enclosed style		7MH7407-	7MH7407-
High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.			
Add order code Y71 ... Y75 for all models to specify design data and add 1 of order code series G30 ... 37 gear reducer			
Painted mild steel enclosed style with C/L infeed to C/L discharge			
<u>18 inch (457 mm) belt width</u>			
99 inch (2 515 mm)	0 D		4 D
111 inch (2 819 mm)	0 E		4 E
123 inch (3 124 mm)	0 F		4 F
135 inch (3 429 mm)	0 G		4 G
147 inch (3 734 mm)	0 H		4 H
159 inch (4 039 mm)	0 J		4 J
171 inch (4 343 mm)	0 K		4 K
183 inch (4 648 mm)	0 L		4 L
195 inch (4 953 mm)	0 M		4 M
<u>24 inch (610 mm) belt width</u>			
99 inch (2 515 mm)	1 D		5 D
111 inch (2 819 mm)	1 E		5 E
123 inch (3 124 mm)	1 F		5 F
135 inch (3 429 mm)	1 G		5 G
147 inch (3 734 mm)	1 H		5 H
159 inch (4 039 mm)	1 J		5 J
171 inch (4 343 mm)	1 K		5 K
183 inch (4 648 mm)	1 L		5 L
195 inch (4 953 mm)	1 M		5 M
<u>30 inch (762 mm) belt width</u>			
99 inch (2 515 mm)	2 D		6 D
111 inch (2 819 mm)	2 E		6 E
123 inch (3 124 mm)	2 F		6 F
135 inch (3 429 mm)	2 G		6 G
147 inch (3 734 mm)	2 H		6 H
159 inch (4 039 mm)	2 J		6 J
171 inch (4 343 mm)	2 K		6 K
183 inch (4 648 mm)	2 L		6 L
195 inch (4 953 mm)	2 M		6 M
<u>36 inch (914 mm) belt width</u>			
99 inch (1 905 mm)	3 D		
111 inch (2 819 mm)	3 E		
123 inch (3 124 mm)	3 F		
135 inch (3 429 mm)	3 G		
147 inch (3 734 mm)	3 H		
159 inch (4 039 mm)	3 J		
171 inch (4 343 mm)	3 K		
183 inch (4 648 mm)	3 L		
195 inch (4 953 mm)	3 M		
SITRANS WW300, 14 inch pulley, enclosed style		7MH7407-	7MH7407-
High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.			
<u>42 inch (1 067 mm) belt width</u>			
99 inch (2 515 mm)			
111 inch (2 819 mm)			
123 inch (3 124 mm)			
135 inch (3 429 mm)			
147 inch (3 734 mm)			
159 inch (4 039 mm)			
171 inch (4 343 mm)			
183 inch (4 648 mm)			
195 inch (4 953 mm)			
<u>48 inch (1 219 mm) belt width</u>			
99 inch (2 515 mm)			
111 inch (2 819 mm)			
123 inch (3 124 mm)			
135 inch (3 429 mm)			
147 inch (3 734 mm)			
159 inch (4 039 mm)			
171 inch (4 343 mm)			
183 inch (4 648 mm)			
195 inch (4 953 mm)			
<u>54 inch (1 372 mm) belt width</u>			
99 inch (2 515 mm)			
111 inch (2 819 mm)			
123 inch (3 124 mm)			
135 inch (3 734 mm)			
147 inch (3 734 mm)			
159 inch (4 039 mm)			
171 inch (4 343 mm)			
183 inch (4 648 mm)			
195 inch (4 953 mm)			

SITRANS Weighfeeders

SITRANS WW300

14 inch pulley, enclosed style

Selection and ordering data	Article No.	Order Code
SITRANS WW300, 14 inch pulley, enclosed style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7407- 	Further designs Please add "-Z" to article no. and specify order code(s).
<u>ATEX II 2D, AC motor</u> 0.25 HP (0.19 kW) 400 V 3 ph 50/60 Hz 0.5 HP (0.37 kW) 400 V 3 ph 50/60 Hz 0.75 HP (0.56 kW) 400 V 3 ph 50/60 Hz 1 HP (0.75 kW) 400 V 3 ph 50/60 Hz 1.5 HP (1.12 kW) 400 V 3 ph 50/60 Hz 3 HP (2.24 kW) 400 V 3 ph 50/60 Hz 5 HP (3.73 kW) 400 V 3 ph 50/60 Hz 7.5 HP (5.59 kW) 400 V 3 ph 50/60 Hz 10 HP (7.46 kW) 400 V 3 ph 50/60 Hz 15 HP (11.19 kW) 400 V 3 ph 50/60 Hz	2 A 2 B 2 C 2 D 2 E 2 F 2 G 2 H 2 J 2 K	Shear gate arc radius: Enter shear gate arc radius in inches Y74 Enter design units (TPH, MTPH, lb/h, kg/h) Y71 Enter design speed (ft/m, m/s) Y72 Enter design capacity/rate Y73 AC gearmotor reduction ratio: Enter reduction ratio in plain text Y75 Custom length: Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters) Y01
Belting <u>SBR, 150 PIW</u> 2 ply 2 ply with B-section flange walls 2 ply with 1 inch (25 mm) flange walls 2 ply with 2 inch (50 mm) corrugated side walls <u>Butyl, 90 PIW</u> 3 ply HT 150 °C (300 °F) 3 ply with B-section flange walls HT 150 °C (300 °F) 3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F) 3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F) <u>Nitrile 135 PIW</u> 3 ply 3 ply with B-section flange walls 3 ply with 1 inch (25 mm) flange walls 3 ply with 2 inch (50 mm) corrugated side walls <u>SBR, 220 PIW</u> 2 ply 2 ply with B-section flange walls 2 ply with 1 inch (25 mm) flange walls 2 ply with 2 inch (50 mm) corrugated side walls <u>Butyl, 220 PIW</u> 2 ply HT 200 °C (400 °F) 2 ply with B-section flange walls HT 200 °C (400 °F) 2 ply with 1 inch (25 mm) flange walls HT 200 °C (400 °F) 2 ply with 2 inch (50 mm) corrugated side walls HT 200 °C (400 °F)	A B C D E F G H J K L M N P Q R S T U V	<u>Gear reducer (select only one)</u> KAZ88 G32 KAZ108 G33 KAZ128 G34 KAZ148 G35 <u>Bottom covers and dust tight seals</u> 18 inch belt width G40 24 inch belt width G41 30 inch belt width G42 36 inch belt width G43 42 inch belt width G44 48 inch belt width G50 54 inch belt width G51 <u>Infeed idler style (if CEMA C is not acceptable)</u> CEMA D style G60 CEMA E style G61 <u>Carrying idler style (if CEMA C is not acceptable)</u> CEMA D style G65 CEMA E style G66 <u>Hazardous location approved tracking switches</u> Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G E90 ATEX II 2D E91 <u>Drag chain clean-out conveyor</u> 18 inch belt width G80 24 inch belt width G81 30 inch belt width G82 36 inch belt width G83 42 inch belt width G84 48 inch belt width G85 54 inch belt width G86 Safety pull cord switches: 1 pull cord on each side of weighfeeder for emergency shut down activation/alarm G70 Automatic belt tracking and tensioner: gravity tensioned belt tracker G71
Belt change access side (looking from inlet to discharge) Left hand Right hand	0 1	

SITRANS Weighfeeders**SITRANS WW300****14 inch pulley, enclosed style****Selection and ordering data****Order Code**

Shear curtain for dusty applications and floodable materials	G11
Skirtboard seals for floodable materials: SBR adjustable skirtboard seals to contain material	G72
Secondary speed detection for differential monitoring: 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)	G16
Plugged discharge chute detection: CLS100 Capacitance switch	G12
Local push button station: Siemens start, stop auto/manual, speed control, E-stop hand held operator	G13
Manufacturer's test certificate: According to EN 10204-2.2	C11
Stainless steel tag (69 x 50 mm), measuring-point number/identification (max. 27 characters), specify in plain text	Y15
Custom design. Specify quote ref. when ordering	Y99

Operating instructions

- English

Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

Article No.
A5E33560691

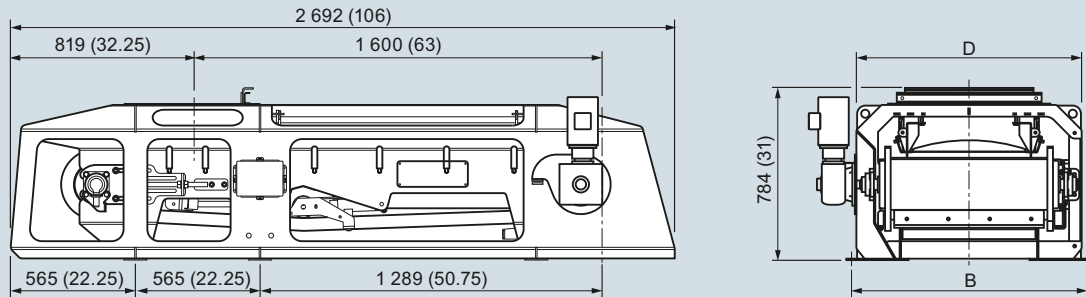
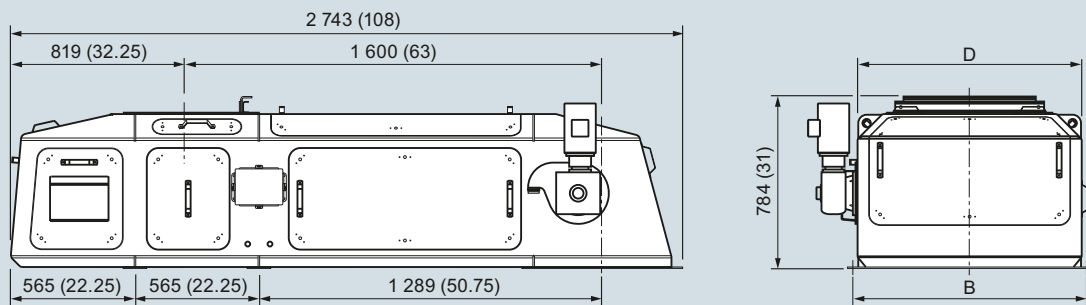
Selection and ordering data		Article No.	Article No.
Accessories			
Start, Stop, Hand/Off/Auto, speed pot local operator station	7MH7723-1JA	Termination box 1, 2, 4 load cell and speed sensor, mild steel	7MH7723-1ND
E-stop push button, enclosed style	3SB38010DF3	Termination box 1, 2, 4 load cell and speed sensor, stainless steel	7MH7723-1NE
Calibration hanger weights		Motor, 0.25 HP (0.19 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NG
200 g (0.4 lb)	7MH7724-1AF	Motor, 0.5 HP (0.37 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NH
500 g (1.1 lb)	7MH7724-1AG	Motor, 0.75 HP (0.56 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NJ
1 000 g (2.2 lb)	7MH7724-1AH	Motor, 1 HP (0.75 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NK
2 000 g (4.4 lb)	7MH7724-1AJ	Motor, 1.5 HP (1.12 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PF
3 500 g (7.7 lb)	7MH7724-1BQ	Motor, 3 HP (2.24 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PG
5 000 g (11 lb)	7MH7724-1AK	Motor, 5 HP (3.73 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PH
7 500 g (16.5 lb)	7MH7724-1BR	Motor, 7.5 HP (5.59 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PJ
8 500 g (18.7 lb)	7MH7724-1BS	Motor, 10 HP (7.46 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PK
10 000 g (22 lb)	7MH7724-1BT	Motor, 15 HP (11.19 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PL
12 000 g (26.5 lb)	7MH7724-1BU	Motor, 0.25 HP (0.19 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1NL
15 000 g (33.1 lb)	7MH7724-1BV	Motor, 0.5 HP (0.37 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1NM
Note: Calibration accessories should be ordered as a separate item on the order		Motor, 0.75 HP (0.56 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1NN
Spare parts		Motor, 1 HP (0.75 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1NP
10 kg (22 lb) nickel plated steel load cell	7MH7725-1EK	Motor, 1.5 HP (1.12 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1PM
15 kg (33.1 lb) nickel plated steel load cell	7MH7725-1EL	Motor, 3 HP (2.24 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1PN
20 kg (44 lb) nickel plated steel load cell	7MH7725-1EM	Motor, 5 HP (3.73 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1PP
30 kg (66.2 lb) nickel plated steel load cell	7MH7725-1EN	Motor, 7.5 HP (5.59 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1PQ
50 kg (110.2 lb) nickel plated steel load cell	7MH7725-1EP	Motor, 10 HP (7.46 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1PR
75 kg (165 lb) nickel plated steel load cell	7MH7725-1CS	Motor, 15 HP (11.19 kW) STD, 575 V – 50 Hz 3 ph	7MH7723-1PS
100 kg (220 lb) nickel plated steel load cell	7MH7725-1CT		
11 kg (25 lb) stainless steel load cell	7MH7725-1DQ		
23 kg (50 lb) stainless steel load cell	7MH7725-1DL		
45 kg (100 lb) stainless steel load cell	7MH7725-1DM		
113 kg (250 lb) stainless steel load cell	7MH7725-1DN		
227 kg (500 lb) stainless steel load cell	7MH7725-1DP		
500 PPR optical encoder	6FX20012PA50		
1 000 PPR optical encoder	6FX20012PB00		
2 500 PPR optical encoder	6FX20012PC50		
Optical encoder connector	6FX20030SU12		
Siemens encoder connector with 20 ft cable	7MH7723-1KM		
32 PPR WS300 speed sensor	7MH7177-1AA100		
256 PPR WS300 speed sensor	7MH7177-2AA100		
1 000 PPR WS300 speed sensor	7MH7177-3AA100		
2 000 PPR WS300 speed sensor	7MH7177-4AD100		
Magnetic proximity switch	7MH7723-1GA		
Motor mounted sensor flange 56C	7MH7723-1RB		
Motor mounted sensor flange 145TC	7MH7723-1RC		
Motor mounted sensor flange 182TC 184TC	7MH7723-1RD		
Motor mounted sensor flange 213TC 215TC	7MH7723-1RE		
Motor mounted sensor flange 254TC 256TC	7MH7723-1RF		
Belt tracking switch	3SE5112-0CR01		
Pull cord switch	3SE7120-2DD01		
Pull cord switch cable	3SE7910-3AA		
Pull cord switch cable clamp	3SE7941-1AC		

SITRANS Weighfeeders**SITRANS WW300****Accessories and spare parts****Selection and ordering data**

Article No.

Article No.

Hazardous rated electrical spare parts**Load cells**Load cell, 25 lb (11.3 kg), stainless steel,
CSA/FM/ATEX/IEC EX**7MH7725-1DQ**Load cell, 50 lb (22.7 kg), stainless steel,
CSA/FM/ATEX/IEC EX**7MH7725-1DL**Load cell, 100 lb (45.4 kg), stainless steel,
CSA/FM/ATEX/IEC EX**7MH7725-1DM**Load cell, 250 lb (113.4 kg), stainless steel,
CSA/FM/ATEX/IEC EX**7MH7725-1DN**Load cell, 500 lb (226.8 kg), stainless steel,
CSA/FM/ATEX/IEC EX**7MH7725-1DP****WS300 speed sensors**32 PPR
CSA/FM/ATEX/IEC EX**7MH7177-1AA100**256 PPR
CSA/FM/ATEX/IEC EX**7MH7177-2AA100**1 000 PPR
CSA/FM/ATEX/IEC EX**7MH7177-3AA100****Motors**Motor, 0.25 HP (0.19 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PB**Motor, 0.5 HP (0.37 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PC**Motor, 0.75 HP (0.56 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PD**Motor, 1 HP (0.75 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1NV**Motor, 1.5 HP (1.12 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PT**Motor, 3 HP (2.24 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PU**Motor, 5 HP (3.73 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PV**Motor, 7.5 HP (5.59 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PW**Motor, 10 HP (7.46 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PX**Motor, 15 HP (11.19 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 230/460 V – 60 Hz 3 ph**7MH7723-1PY**Motor, 0.25 HP (0.19 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QA**Motor, 0.5 HP (0.37 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QB**Motor, 0.75 HP (0.56 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QC**Motor, 1 HP (0.75 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QD**Motor, 1.5 HP (1.12 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QE**Motor, 3 HP (2.24 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QF**Motor, 5 HP (3.73 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QG**Motor, 7.5 HP (5.59 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QH**Motor, 10 HP (7.46 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QJ**Motor, 15 HP (11.19 kW),
Class I Div. 1, groups C&D, Class II Div. 1,
groups F&G, 575 V – 50 Hz 3 ph**7MH7723-1QK**Motor, 0.25 HP (0.19 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA90734KA94-Z**Motor, 0.5 HP (0.37 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA90834KA94-Z**Motor, 0.75 HP (0.56 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA90904KA94-Z**Motor, 1 HP (0.75 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA90964KA94-Z**Motor, 1.5 HP (1.12 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA91064KA94-Z**Motor, 3 HP (2.24 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA91134KA94-Z**Motor, 5 HP (3.73 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA91334KA94-Z**Motor, 7.5 HP (5.59 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA91634KA94-Z**Motor, 10 HP (7.46 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LA91664KA94-Z**Motor, 15 HP (11.19 kW), ATEX II 2D
400 V – 50 Hz 3 ph**1LG61834AA94-Z**Belt tracking switch, ATEX II 2D/Class I Div. 1,
groups C&D, Class II Div. 1, groups F&G**7MH7723-1RA**

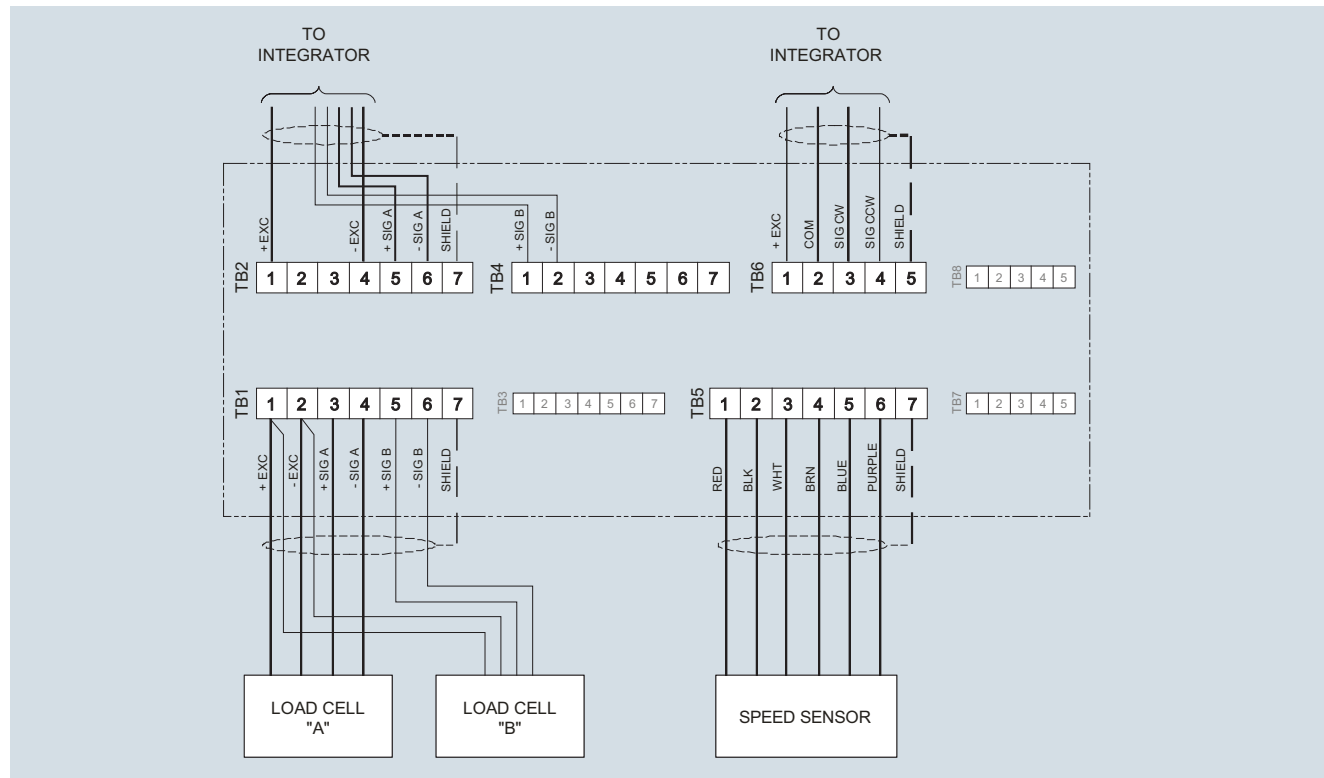
Dimensional drawings
Open Construction

Enclosed Construction


Belt width	B	D
457 (18)	768 (30.25)	718 (28.25)
610 (24)	921 (36.25)	870 (34.25)
762 (30)	1 073 (42.25)	1 022 (40.25)
914 (36)	1 226 (48.25)	1 175 (46.25)
1 067 (42)	1 378 (54.25)	1 327 (52.25)
1 219 (48)	1 530 (60.25)	1 480 (58.25)
1 372 (54)	1 683 (66.25)	1 632 (64.25)
1 524 (60)	1 835 (72.25)	1 784 (70.25)
1 676 (66)	1 988 (78.25)	1 937 (76.25)
1 829 (72)	2 140 (84.25)	2 089 (82.25)

SITRANS WW300 dimensions in mm (inch)

SITRANS Weighfeeders

SITRANS WW300

Dimensional drawings and schematics**Schematics**

SITRANS WW300 connections

Overview



SITRANS WW310 is a medium- to high-capacity weighfeeder used for macro ingredient additives.

Benefits

- Control flow of material into or out of a process
- Access to electronic and operational components from outside frame and enclosure
- Mass flow design infeed
- Easy to replace endless belt
- Fast installation, easy to clean and maintain

Application

SITRANS WW310 is designed for industrial applications such as mining, cement, chemical processing, pulp and paper, and other heavy-duty industries.

Field tested and proven in hundreds of applications, it enhances profitability by ensuring accuracy, enhancing blend consistency, reducing downtime, and improving accountability and record keeping. The unique weigh system reduces dead load and applies live load directly to load cells for accurate measurement. The dual load cells are externally mounted for easy access and maintenance.

It is available in a variety of lengths from 1.6 m (63 inch), belt width from 0.5 m (18 inch) to 1.2 m (48 inch), several different inlet configurations and materials of construction. It can be configured to suit various applications.

Supported by Milltronics BW500 or SIWAREX FTC microprocessor-based integrators for easy blending, batching and feed rate control.

Technical specifications

SITRANS WW310	
Mode of Operation	
Measuring principle	Strain gauge load cells and digital speed sensor
Typical application	Industrial and process applications in feeding, blending or rationing in gypsum manufacturing
Measuring accuracy	
Accuracy ¹⁾	± 0.5 % or better
Turn down	10 ... 100 % based on speed
Design rate range	4.5 ... 270 t/h (5 ... 300 STPH)
Medium conditions	
Operating temperature	-10 ... +40 °C (14 ... 104 °F)
Design	
Material	Mild steel with abrasion resistant or stainless steel [304 (1.4301)] contact parts optional
Load Cells	Two corrosion-resistant platform type with mechanical overload protection [nickel plated or 17-4 PH (1.4568) stainless steel construction with 304 (1.4301) stainless steel cover]
Non-linearity	± 0.03 %
Non-repeatability	± 0.02 %
Speed sensor	Industrial duty, digital optical encoder, tail shaft mounted
Framework	• Painted structural steel • Cantilevered mild steel structural frame for quick and easy belt replacement
Pulleys	Crowned with rubber lagging on drive pulley for maximum traction
Idlers	Heavy-duty 100 mm (4 inch) CEMA C with precision ground ball bearings and triple labyrinth seals for longer life
Belt speed	0.005 ... 0.36 m/s (1 ... 70 fpm)
Belting	• Heavy duty endless design for maximum weighing accuracy. SBR, Butyl or Nitrile material options • Flat, B-section flanges or corrugated sidewall options
Belt tension	Screw type, telescoper module
Belt cleaning	• Spring tensioned UHMW blade at head pulley • Return UHMW plow at tail pulley
Drive motor	Totally enclosed AC, three phase inverter duty rated motor with shaft mounted gear reducer
Shipping weight	410 kg (900 lb) minimum
Approvals	• CE on all electrical components • Hazardous approvals per configuration options Note: Weighfeeder as a whole is not approved for hazardous locations, only electrical components.

¹⁾ Accuracy subject to: On factory approved installations, the weighfeeder system's totalized weight will be within the specified accuracy when compared to a known weighed material test sample.
The test rate must be within the specified range of the design capacity and held constant for the duration of the test.
The minimum material test sample must be equivalent to a sample obtained at the test flow rate for three revolutions of the belt or at least ten minutes running time, whichever is greater.

SITRANS Weighfeeders**SITRANS WW310****8 inch pulley, open style****Selection and ordering data**

Article No.

Article No.

SITRANS WW310, 8 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y75 for all models to specify design data.
Add 1 of order code series G30 ... 34 to gear reducer

Construction**Painted mild steel, open style, with C/L Infeed to C/L Discharge**18 inch (457 mm) belt width

63 inch (1 600 mm) (2 legs)
75 inch (1 905 mm) (2 legs)
87 inch (2 210 mm) (2 legs)
99 inch (2 515 mm) (3 legs)
111 inch (2 819 mm) (3 legs)
123 inch (3 124 mm) (3 legs)
135 inch (3 429 mm) (4 legs)
147 inch (3 734 mm) (4 legs)
159 inch (4 039 mm) (4 legs)
171 inch (4 343 mm) (5 legs)
183 inch (4 648 mm) (5 legs)
195 inch (4 953 mm) (5 legs)

24 inch (610 mm) belt width

63 inch (1 600 mm) (2 legs)
75 inch (1 905 mm) (2 legs)
87 inch (2 210 mm) (2 legs)
99 inch (2 515 mm) (3 legs)
111 inch (2 819 mm) (3 legs)
123 inch (3 124 mm) (3 legs)
135 inch (3 429 mm) (4 legs)
147 inch (3 734 mm) (4 legs)
159 inch (4 039 mm) (4 legs)
171 inch (4 343 mm) (5 legs)
183 inch (4 648 mm) (5 legs)
195 inch (4 953 mm) (5 legs)

30 inch (762 mm) belt width

63 inch (1 600 mm) (2 legs)
75 inch (1 905 mm) (2 legs)
87 inch (2 210 mm) (2 legs)
99 inch (2 515 mm) (3 legs)
111 inch (2 819 mm) (3 legs)
123 inch (3 124 mm) (3 legs)
135 inch (3 429 mm) (4 legs)
147 inch (3 734 mm) (4 legs)
159 inch (4 039 mm) (4 legs)
171 inch (4 343 mm) (5 legs)
183 inch (4 648 mm) (5 legs)
195 inch (4 953 mm) (5 legs)

7MH7550-

0 A
0 B
0 C
0 D
0 E
0 F
0 G
0 H
0 J
0 K
0 L
0 M

1 A
1 B
1 C
1 D
1 E
1 F
1 G
1 H
1 J
1 K
1 L
1 M

2 A
2 B
2 C
2 D
2 E
2 F
2 G
2 H
2 J
2 K
2 L
2 M

SITRANS WW310, 8 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

36 inch (914 mm) belt width

63 inch (1 600 mm) (2 legs)
75 inch (1 905 mm) (2 legs)
87 inch (2 210 mm) (2 legs)
99 inch (2 515 mm) (3 legs)
111 inch (2 819 mm) (3 legs)
123 inch (3 124 mm) (3 legs)
135 inch (3 429 mm) (4 legs)
147 inch (3 734 mm) (4 legs)
159 inch (4 039 mm) (4 legs)
171 inch (4 343 mm) (5 legs)
183 inch (4 648 mm) (5 legs)
195 inch (4 953 mm) (5 legs)

42 inch (1 067 mm) belt width

63 inch (1 600 mm) (2 legs)
75 inch (1 905 mm) (2 legs)
87 inch (2 210 mm) (2 legs)
99 inch (2 515 mm) (3 legs)
111 inch (2 819 mm) (3 legs)
123 inch (3 124 mm) (3 legs)
135 inch (3 429 mm) (4 legs)
147 inch (3 734 mm) (4 legs)
159 inch (4 039 mm) (4 legs)
171 inch (4 343 mm) (5 legs)
183 inch (4 648 mm) (5 legs)
195 inch (4 953 mm) (5 legs)

Load cellsNickel plated steel

10 kg (22 lb)
15 kg (33 lb)
20 kg (44 lb)
30 kg (66 lb)
50 kg (110 lb)
75 kg (165 lb)
100 kg (220 lb)

Stainless steel, hermetically sealed

6 kg (13.2 lb)
12 kg (26.5 lb)
30 kg (66.1 lb)

7MH7550-

3 A
3 B
3 C
3 D
3 E
3 F
3 G
3 H
3 J
3 K
3 L
3 M

4 A
4 B
4 C
4 D
4 E
4 F
4 G
4 H
4 J
4 K
4 L
4 M

A
B
C
D
E
F
G

H
J
K

SITRANS Weighfeeders

SITRANS WW310

8 inch pulley, open style

Selection and ordering data

Article No.

Article No.

SITRANS WW310, 8 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Material containment construction

None

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch"

Shear gate inlet

Mild steel (no skirtboards)

AR400 steel (no skirtboards)

304 stainless steel (no skirtboards)

Skirtboards mild steel

Skirtboards AR400 steel

Skirtboards 304 stainless steel

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

32 PPR WS300, CSA/FM/ATEX/IEC Ex

256 PPR WS300, CSA/FM/ATEX/IEC Ex

1 000 PPR shaft mounted WS300, CSA/FM/ATEX/IEC Ex

2 000 PPR WS300

Motor mounted

60 PPR magnetic p/u

Drive Configuration

Add order code Y75 reduction ratio in plain text: "X:1".

Standard AC motor

0.25 HP (0.19 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 KW) 575 V 3 ph 60 Hz

0.5 HP (0.37 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW) 575 V 3 ph 60 Hz

0.75 HP (0.56 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW) 575 V 3 ph 60 Hz

1 HP (0.75 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW) 575 V 3 ph 60 Hz

1.5 HP (1.12 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW) 575 V 3 ph 60 Hz

3 HP (2.24 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

7MH7550-

- - - - -

0

1

2

3

4

5

6

0

1

2

3

4

5

6

7

0 A

0 B

0 C

0 D

0 E

0 F

0 G

0 H

0 J

0 K

0 L

0 M

0 N

0 P

SITRANS WW310, 8 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G, AC motor

0.25 HP (0.19 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 KW) 575 V 3 ph 60 Hz

0.5 HP (0.37 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW) 575 V 3 ph 60 Hz

0.75 HP (0.56 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW) 575 V 3 ph 60 Hz

1 HP (0.75 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW) 575 V 3 ph 60 Hz

1.5 HP (1.12 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW) 575 V 3 ph 60 Hz

3 HP (2.24 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

ATEX II 2D, AC motor

0.25 HP (0.19 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW)

220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting

SBR, 150 PIW

2 ply

2 ply with B-section flange walls

2 ply with 1 inch (25 mm) flange walls

2 ply with 2 inch (50 mm) corrugated side walls

Butyl, 90 PIW

3 ply HT 150 °C (300 °F)

3 ply with B-section flange walls HT 150 °C (300 °F)

3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F)

3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F)

1 A

1 B

1 C

1 D

1 E

1 F

1 G

1 H

1 J

1 K

1 L

1 M

1 N

1 P

2 A

2 B

2 C

2 D

2 E

2 F

2 G

A

B

C

D

E

F

G

H

5

SITRANS WW310

8 inch pulley, open style

Selection and ordering data		Article No.	Order Code
SITRANS WW310, 8 inch pulley, open style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7550- 	<u>Hazardous location approved tracking switches</u> Class I, Div. 1, groups C and D, Class II, Div. 1, groups F and G ATEX II 2D	E90 E91
<u>Nitrile, 135 PIW</u> 3 ply 3 ply with B-section flange walls 3 ply with 1 inch (25 mm) flange walls 3 ply with 2 inch (50 mm) corrugated side walls		<u>Safety pull cord switches</u> 1 pull cord on each side of weighfeeder for emergency shut down activation/alarm	G70
Belt change access Side (From inlet to discharge) Left hand Right hand		<u>Skirtboard seals for floodable materials</u> SBR adjustable skirtboard seals to contain material Shear curtain for dusty applications and floodable materials	G72 G11
Further designs Please add "-Z" to article no. and specify order code(s).	Order Code	<u>Secondary speed detection for differential monitoring</u> 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)	G16
Shear gate arc radius	Y74 (xxx.xx inch)	<u>Plugged discharge chute detection</u> CLS100 Capacitance switch	G12
Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)		<u>Local push button station</u> Siemens Start, stop, auto/manual, speed control, E-stop hand held operator	G13
<u>Application data</u> Enter design units (TPH, MTPH, lb/h, kg/h)		<u>Factory test</u> 2.2 test Certificate	C11
Enter design speed (ft/m, m/s)		<u>Tagging</u> Stainless steel, laser engraved mounted name-plate, enter data to appear on nameplate	Y15
Enter design capacity/rate		<u>Discharge dust hood</u> Painted mild steel with de-dust port	H50
<u>AC gearmotor reduction ratio</u> AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1)	Y75 (X:1)	Custom design Specify quote reference when ordering	Y99
<u>Custom length</u> Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)	Y01	Operating instructions • English Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.	Article No. A5E33490433
<u>Gear reducer (select only one)</u> KAZ48 KAZ68	G30 G31		
<u>Infeed idler style (if CEMA C is not acceptable) only one option per configuration</u> CEMA D style CEMA E style	G60 G61		
<u>Carrying idler style (if CEMA C is not acceptable) only one option per configuration</u> CEMA D style CEMA E style	G65 G66		

SITRANS Weighfeeders

SITRANS WW310

8 Inch pulley, enclosed style

Selection and ordering data		Article No.	Article No.
SITRANS WW310, 8 inch pulley, enclosed style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings. Add order code Y71 ... Y75 for all models to specify design data Add 1 of order code series G30 ... 34 to gear reducer	7MH7551- 	SITRANS WW310, 8 inch pulley, enclosed style High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.	7MH7551-
Construction Painted mild steel enclosed style with C/L Infeed to C/L Discharge <u>18 inch (457 mm) belt width</u> 63 inch (1 600 mm) (2 legs) 75 inch (1 905 mm) (2 legs) 87 inch (2 210 mm) (2 legs) 99 inch (2 515 mm) (3 legs) 111 inch (2 819 mm) (3 legs) 123 inch (3 124 mm) (3 legs) 135 inch (3 429 mm) (4 legs) 147 inch (3 734 mm) (4 legs) 159 inch (4 039 mm) (4 legs) 171 inch (4 343 mm) (5 legs) 183 inch (4 648 mm) (5 legs) 195 inch (4 953 mm) (5 legs) <u>24 inch (610 mm) belt width</u> 63 inch (1 600 mm) (2 legs) 75 inch (1 905 mm) (2 legs) 87 inch (2 210 mm) (2 legs) 99 inch (2 515 mm) (3 legs) 111 inch (2 819 mm) (3 legs) 123 inch (3 124 mm) (3 legs) 135 inch (3 429 mm) (4 legs) 147 inch (3 734 mm) (4 legs) 159 inch (4 039 mm) (4 legs) 171 inch (4 343 mm) (5 legs) 183 inch (4 648 mm) (5 legs) 195 inch (4 953 mm) (5 legs) <u>30 inch (762 mm) belt width</u> 63 inch (1 600 mm) (2 legs) 75 inch (1 905 mm) (2 legs) 87 inch (2 210 mm) (2 legs) 99 inch (2 515 mm) (3 legs) 111 inch (2 819 mm) (3 legs) 123 inch (3 124 mm) (3 legs) 135 inch (3 429 mm) (4 legs) 147 inch (3 734 mm) (4 legs) 159 inch (4 039 mm) (4 legs) 171 inch (4 343 mm) (5 legs) 183 inch (4 648 mm) (5 legs) 195 inch (4 953 mm) (5 legs)	0 A 0 B 0 C 0 D 0 E 0 F 0 G 0 H 0 J 0 K 0 L 0 M 1 A 1 B 1 C 1 D 1 E 1 F 1 G 1 H 1 J 1 K 1 L 1 M 2 A 2 B 2 C 2 D 2 E 2 F 2 G 2 H 2 J 2 K 2 L 2 M	<u>36 inch (914 mm) belt width</u> 63 inch (1 600 mm) (2 legs) 75 inch (1 905 mm) (2 legs) 87 inch (2 210 mm) (2 legs) 99 inch (2 515 mm) (3 legs) 111 inch (2 819 mm) (3 legs) 123 inch (3 124 mm) (3 legs) 135 inch (3 429 mm) (4 legs) 147 inch (3 734 mm) (4 legs) 159 inch (4 039 mm) (4 legs) 171 inch (4 343 mm) (5 legs) 183 inch (4 648 mm) (5 legs) 195 inch (4 953 mm) (5 legs) <u>42 inch (1067 mm) belt width</u> 63 inch (1 600 mm) (2 legs) 75 inch (1 905 mm) (2 legs) 87 inch (2 210 mm) (2 legs) 99 inch (2 515 mm) (3 legs) 111 inch (2 819 mm) (3 legs) 123 inch (3 124 mm) (3 legs) 135 inch (3 429 mm) (4 legs) 147 inch (3 734 mm) (4 legs) 159 inch (4 039 mm) (4 legs) 171 inch (4 343 mm) (5 legs) 183 inch (4 648 mm) (5 legs) 195 inch (4 953 mm) (5 legs) Load cells <u>Nickel plated steel</u> 10 kg (22 lb) 15 kg (33 lb) 20 kg (44 lb) 30 kg (66 lb) 50 kg (110 lb) 75 kg (165 lb) 100 kg (220 lb) <u>Stainless steel, hermetically sealed</u> 6 kg (13.2 lb) 12 kg (26.5 lb) 30 kg (66.1 lb)	3 A 3 B 3 C 3 D 3 E 3 F 3 G 3 H 3 J 3 K 3 L 3 M 4 A 4 B 4 C 4 D 4 E 4 F 4 G 4 H 4 J 4 K 4 L 4 M A B C D E F G H J K

SITRANS Weighfeeders

SITRANS WW310

8 Inch pulley, enclosed style

Selection and ordering data

Article No.

Article No.

SITRANS WW310, 8 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Material containment construction

None

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch"

Shear gate inlet

Mild steel (no skirtboards)

AR400 steel (no skirtboards)

304 stainless steel (no skirtboards)

Skirtboards mild steel

Skirtboards AR400 steel

Skirtboards 304 stainless steel

Speed sensor

Shaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

32 PPR WS300, CSA/FM/ATEX/IEC Ex

256 PPR WS300, CSA/FM/ATEX/IEC Ex

1 000 PPR WS300, CSA/FM/ATEX/IEC Ex

2 000 PPR WS300

Motor mounted

60 PPR magnetic p/u

Drive Configuration

Add order code Y75 reduction ratio in plain text: "X:1".

Standard AC motor

0.25 HP (0.19 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 KW) 575 V 3 ph 60 Hz

0.5 HP (0.37 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW) 575 V 3 ph 60 Hz

0.75 HP (0.56 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW) 575 V 3 ph 60 Hz

1 HP (0.75 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW) 575 V 3 ph 60 Hz

1.5 HP (1.12 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW) 575 V 3 ph 60 Hz

3 HP (2.24 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

Class I, Div. 1, Groups C and D, Class II, Div. 1,
Groups F and G, AC motor

0.25 HP (0.19 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 KW) 575 V 3 ph 60 Hz

7MH7551-

- - - - -

0

1

2

3

4

5

6

0

1

2

3

4

5

6

7

0 A

0 B

0 C

0 D

0 E

0 F

0 G

0 H

0 J

0 K

0 L

0 M

0 N

0 P

1 A

1 B

SITRANS WW310, 8 inch pulley, enclosed style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

0.5 HP (0.37 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW) 575 V 3 ph 60 Hz

0.75 HP (0.56 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW) 575 V 3 ph 60 Hz

1 HP (0.75 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW) 575 V 3 ph 60 Hz

1.5 HP (1.12 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW) 575 V 3 ph 60 Hz

3 HP (2.24 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

ATEX II 2D, AC motor

0.25 HP (0.19 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

Belting

SBR, 150 PIW

2 ply

2 ply with B-section flange walls

2 ply with 1 inch (25 mm) flange walls

2 ply with 2 inch (50 mm) corrugated side walls

Butyl, 90 PIW

3 ply HT 150 °C (300 °F)

3 ply with B-section flange walls HT 150 °C (300 °F)

3 ply with 1 inch (25 mm) flange walls HT 150 °C
(300 °F)

3 ply with 2 inch (50 mm) corrugated side walls
HT 150 °C (300 °F)

Nitrile, 135 PIW

3 ply

3 ply with B-section flange walls

3 ply with 1 inch (25 mm) flange walls

3 ply with 2 inch (50 mm) corrugated side walls

Belt change access Side (From inlet to discharge)

Left hand

Right hand

1 C

1 D

1 E

1 F

1 G

1 H

1 J

1 K

1 L

1 M

1 N

1 P

2 A

2 B

2 C

2 D

2 E

2 F

2 G

2 H

2 I

2 J

2 K

2 L

2 M

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

AB

AC

AD

AE

AF

AG

AH

AI

AJ

AK

AL

AM

AN

AO

AP

AQ

AR

AS

AT

AU

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BJ

BK

BL

BM

BN

BO

BP

BQ

BR

BS

BT

BU

BV

BW

BX

BY

BZ

CA

CB

CC

CD

CE

CF

CG

CH

CI

CJ

CK

CL

CM

CN

CO

CP

CQ

CR

CS

CT

CU

CV

CW

CX

CY

CZ

DA

DB

DC

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DL

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DO

DP

DQ

DR

DS

DT

DU

DV

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FR

Selection and ordering data		Order Code	Order Code
Further designs			
Please add "-Z" to article no. and specify order code(s).			
<u>Shear gate arc radius</u>			
Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)	Y74 (xxx.xx inch)	<u>Secondary speed detection for differential monitoring</u> 60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)	G16
<u>Application data</u>		<u>Plugged discharge chute detection</u> CLS100 Capacitance switch	G12
Enter design units (TPH, MTPH, lb/h, kg/h)	Y71	<u>Local push button station</u> Siemens Start, stop, auto/manual, speed control, E-stop hand held operator	G13
Enter design speed (ft/m, m/s)	Y72	<u>Factory test</u> 2.2 test Certificate	C11
Enter design capacity/rate	Y73	<u>Tagging</u> Stainless steel, laser engraved mounted name plate, enter data to appear on nameplate	Y15
<u>AC gearmotor reduction ratio</u>		Custom design Specify quote reference when ordering	Y99
AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1)	Y75 (X:1)	Operating instructions • English Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.	Article No. A5E33490433
<u>Custom length</u>			
Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)	Y01		
<u>Gear reducer (select only one)</u>			
KAZ48	G30		
KAZ68	G31		
<u>Bottom covers</u>			
18 inch Belt width	G40		
24 inch Belt width	G41		
30 inch Belt width	G42		
36 inch Belt width	G43		
42 inch Belt width	G44		
<u>Infeed idler style (if CEMA C is not acceptable) only one option per configuration</u>			
CEMA D style	G60		
CEMA E style	G61		
<u>Carrying idler style (if CEMA C is not acceptable) only one option per configuration</u>			
CEMA D style	G65		
CEMA E style	G66		
<u>Hazardous location approved tracking switches</u>			
Class I, Div. 1, groups C and D, Class II, Div. 1, groups F and G	E90		
ATEX II 2D	E91		
<u>Safety pull cord switches</u>			
1 pull cord on each side of weighfeeder for emergency shut down activation/alarm	G70		
<u>Skirtboard seals for floodable materials</u>			
SBR adjustable skirtboard seals to contain material	G72		
Shear curtain for dusty applications and floodable materials	G11		

SITRANS Weighfeeders

SITRANS WW310

12 inch pulley, open style

Selection and ordering data

SITRANS WW310, 12 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Add order code Y71 ... Y75 for all models to specify design data.
Add 1 of order code series G30 ... 34 to gear reducer

Construction

Painted mild steel, open style, with C/L infeed to C/L discharge

18 inch (457 mm) belt width

84 inch (2 134 mm) (2 legs)
99 inch (2 515 mm) (2 legs)
114 inch (2 896 mm) (2 legs)
129 inch (3 277 mm) (3 legs)
144 inch (3 658 mm) (3 legs)
159 inch (4 039 mm) (3 legs)
174 inch (4 420 mm) (4 legs)
189 inch (4 801 mm) (4 legs)
204 inch (5 182 mm) (4 legs)
219 inch (5 563 mm) (5 legs)
234 inch (5 944 mm) (5 legs)
249 inch (6 325 mm) (5 legs)

24 inch (610 mm) belt width

84 inch (2 134 mm) (2 legs)
99 inch (2 515 mm) (2 legs)
114 inch (2 896 mm) (2 legs)
129 inch (3 277 mm) (3 legs)
144 inch (3 658 mm) (3 legs)
159 inch (4 039 mm) (3 legs)
174 inch (4 420 mm) (4 legs)
189 inch (4 801 mm) (4 legs)
204 inch (5 182 mm) (4 legs)
219 inch (5 563 mm) (5 legs)
234 inch (5 944 mm) (5 legs)
249 inch (6 325 mm) (5 legs)

30 inch (762 mm) belt width

84 inch (2 134 mm) (2 legs)
99 inch (2 515 mm) (2 legs)
114 inch (2 896 mm) (2 legs)
129 inch (3 277 mm) (3 legs)
144 inch (3 658 mm) (3 legs)
159 inch (4 039 mm) (3 legs)
174 inch (4 420 mm) (4 legs)
189 inch (4 801 mm) (4 legs)
204 inch (5 182 mm) (4 legs)
219 inch (5 563 mm) (5 legs)
234 inch (5 944 mm) (5 legs)
249 inch (6 325 mm) (5 legs)

Article No.

7MH7552-



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SITRANS WW310, 12 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

36 inch (914 mm) belt width

84 inch (2 134 mm) (2 legs)
99 inch (2 515 mm) (2 legs)
114 inch (2 896 mm) (2 legs)
129 inch (3 277 mm) (3 legs)
144 inch (3 658 mm) (3 legs)
159 inch (4 039 mm) (3 legs)
174 inch (4 420 mm) (4 legs)
189 inch (4 801 mm) (4 legs)
204 inch (5 182 mm) (4 legs)
219 inch (5 563 mm) (5 legs)
234 inch (5 944 mm) (5 legs)
249 inch (6 325 mm) (5 legs)

42 inch (1 067 mm) belt width

84 inch (2 134 mm) (2 legs)
99 inch (2 515 mm) (2 legs)
114 inch (2 896 mm) (2 legs)
129 inch (3 277 mm) (3 legs)
144 inch (3 658 mm) (3 legs)
159 inch (4 039 mm) (3 legs)
174 inch (4 420 mm) (4 legs)
189 inch (4 801 mm) (4 legs)
204 inch (5 182 mm) (4 legs)
219 inch (5 563 mm) (5 legs)
234 inch (5 944 mm) (5 legs)
249 inch (6 325 mm) (5 legs)

48 inch (1 219 mm) belt width

84 inch (2 134 mm) (2 legs)
99 inch (2 515 mm) (2 legs)
114 inch (2 896 mm) (2 legs)
129 inch (3 277 mm) (3 legs)
144 inch (3 658 mm) (3 legs)
159 inch (4 039 mm) (3 legs)
174 inch (4 420 mm) (4 legs)
189 inch (4 801 mm) (4 legs)
204 inch (5 182 mm) (4 legs)
219 inch (5 563 mm) (5 legs)
234 inch (5 944 mm) (5 legs)
249 inch (6 325 mm) (5 legs)

Article No.

7MH7552-



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SITRANS Weighfeeders

SITRANS WW310

12 inch pulley, open style

Selection and ordering data

Article No.

Article No.

SITRANS WW310, 12 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

Load cells

23 kg (50 lb) stainless steel, MSI, Class II, Div. 1 Groups E, F, and G, Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

45 kg (100 lb) stainless steel, MSI, Class II, Div. 1 Groups E, F, and G, Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

113 kg (250 lb) stainless steel, MSI, Class II, Div. 1 Groups E, F, and G, Class III/ Atex II 2D Ex tD A21 IP65 T70 °C

Material containment construction

None

Add order code Y74 and plain text: "Arc radius in inches ...XX.XXX inch"

Shear gate inlet

Mild steel (no skirtboards)

AR400 steel (no skirtboards)

304 stainless steel (no skirtboards)

Skirtboards mild steel

Skirtboards AR400 steel

Skirtboards 304 stainless steel

Speed sensorShaft mounted

500 PPR optical encoder

1 000 PPR optical encoder

2 500 PPR optical encoder

32 PPR WS300, CSA/FM/ATEX/IEC Ex

256 PPR WS300, CSA/FM/ATEX/IEC Ex

1 000 PPR WS300, CSA/FM/ATEX/IEC Ex

2 000 PPR WS300

Motor mounted

60 PPR magnetic p/u

Drive Configuration

Add order code Y75 reduction ratio in plain text: "X:1".

Standard AC motor

0.25 HP (0.19 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 KW) 575 V 3 ph 60 Hz

0.5 HP (0.37 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW) 575 V 3 ph 60 Hz

0.75 HP (0.56 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW) 575 V 3 ph 60 Hz

1 HP (0.75 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW) 575 V 3 ph 60 Hz

1.5 HP (1.12 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW) 575 V 3 ph 60 Hz

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SITRANS WW310, 12 inch pulley, open style

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

3 HP (2.24 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G, AC motor

0.25 HP (0.19 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.25 HP (0.19 KW) 575 V 3 ph 60 Hz

0.5 HP (0.37 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW) 575 V 3 ph 60 Hz

0.75 HP (0.56 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW) 575 V 3 ph 60 Hz

1 HP (0.75 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW) 575 V 3 ph 60 Hz

1.5 HP (1.12 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW) 575 V 3 ph 60 Hz

3 HP (2.24 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

ATEX II 2D, AC motor

0.25 HP (0.19 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.5 HP (0.37 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

0.75 HP (0.56 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1 HP (0.75 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

1.5 HP (1.12 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

3 HP (2.24 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW)
220 ... 240/380 ... 480 V 3 ph 50/60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

5 HP (3.73 KW) 575 V 3 ph 60 Hz

7MH7552-

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SITRANS Weighfeeders**SITRANS WW310****12 inch pulley, open style****Selection and ordering data**

Article No.

Order Code

SITRANS WW310, 12 inch pulley, open style**7MH7552-**

High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.

BeltingSBR, 150 PIW

2 ply

2 ply with B-section flange walls

2 ply with 1 inch (25 mm) flange walls

2 ply with 2 inch (50 mm) corrugated side walls

Butyl, 90 PIW

3 ply HT 150 °C (300 °F)

3 ply with B-section flange walls HT 150 °C (300 °F)

3 ply with 1 inch (25 mm) flange walls HT 150 °C (300 °F)

3 ply with 2 inch (50 mm) corrugated side walls HT 150 °C (300 °F)

Nitrile 135 PIW

3 ply

3 ply with B-section flange walls

3 ply with 1 inch (25 mm) flange walls

3 ply with 2 inch (50 mm) corrugated side walls

SBR, 220 PIW

2 ply

2 ply with B-section flange walls

2 ply with 1 inch (25 mm) flange walls

2 ply with 2 inch (50 mm) corrugated side walls

Butyl, 220 PIW

2 ply HT 200 °C (400 °F)

2 ply with B-section flange walls HT 200 °C (400 °F)

2 ply with 1 inch (25 mm) flange walls HT 200 °C (400 °F)

2 ply with 2 inch (50 mm) corrugated side walls HT 200 °C (400 °F)

Belt change access Side (from inlet to discharge)

Left hand

Right hand

Further designs

Please add **"-Z"** to article no. and specify order code(s).

Shear gate arc radius

Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)

Application data

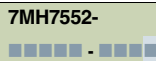
Enter design units (TPH, MTPH, lb/h, kg/h)

Enter design speed (ft/m, m/s)

Enter design capacity/rate

AC gearmotor reduction ratio

AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1)



A

B

C

D

E

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G

H

J

K

L

M

N

P

Q

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T

U

V

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1

Custom length

Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)

Gear reducer (select only one)

KAZ68

KAZ88

KAZ108

KAZ128

Infeed idler style (if CEMA C is not acceptable) only one option per configuration

CEMA D style

CEMA E style

Carrying idler style (if CEMA C is not acceptable) only one option per configuration

CEMA D style

CEMA E style

Hazardous location approved tracking switches

Class I, Div. 1, groups C and D, Class II, Div. 1, groups F and G

ATEX II 2D

Safety pull cord switches

1 pull cord on each side of weighfeeder for emergency shut down activation/alarm

Skirtboard seals for floodable materials

SBR adjustable skirtboard seals to contain material

Shear curtain for dusty applications and floodable materials

Secondary speed detection for differential monitoring

60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)

Plugged discharge chute detection

CLS100 Capacitance switch

Local push button station

Siemens Start, stop, auto/manual, speed control, E-stop hand held operator

Factory test

2.2 test Certificate

Tagging

Stainless steel, laser engraved mounted name plate, enter data to appear on nameplate

Discharge dust hood

Painted mild steel with de-dust port

Custom design

Specify quote reference when ordering

Operating instructions

• English

Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.

Y01**G31****G32****G33****G34****G60****G61****G65****G66****E90****E91****G70****G72****G11****G16****G12****G13****C11****Y15****H50****Y99**

Article No.

A5E33490433

Selection and ordering data		Article No.	Article No.
SITRANS WW310, 12 inch pulley, enclosed style		7MH7553-	7MH7553-
High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.			
Add order code Y71 ... Y75 for all models to specify design data. Add 1 of order code series G30 ... 34 to gear reducer			
Construction			
Painted mild steel enclosed style with C/L infeed to C/L discharge			
<u>18 inch (457 mm) belt width</u>			
84 inch (2 134 mm) (2 legs)	0 A		
99 inch (2 515 mm) (2 legs)	0 B		
114 inch (2 896 mm) (2 legs)	0 C		
129 inch (3 277 mm) (3 legs)	0 D		
144 inch (3 658 mm) (3 legs)	0 E		
159 inch (4 039 mm) (3 legs)	0 F		
174 inch (4 420 mm) (4 legs)	0 G		
189 inch (4 801 mm) (4 legs)	0 H		
204 inch (5 182 mm) (4 legs)	0 J		
219 inch (5 563 mm) (5 legs)	0 K		
234 inch (5 944 mm) (5 legs)	0 L		
249 inch (6 325 mm) (5 legs)	0 M		
<u>24 inch (610 mm) belt width</u>			
84 inch (2 134 mm) (2 legs)	1 A		
99 inch (2 515 mm) (2 legs)	1 B		
114 inch (2 896 mm) (2 legs)	1 C		
129 inch (3 277 mm) (3 legs)	1 D		
144 inch (3 658 mm) (3 legs)	1 E		
159 inch (4 039 mm) (3 legs)	1 F		
174 inch (4 420 mm) (4 legs)	1 G		
189 inch (4 801 mm) (4 legs)	1 H		
204 inch (5 182 mm) (4 legs)	1 J		
219 inch (5 563 mm) (5 legs)	1 K		
234 inch (5 944 mm) (5 legs)	1 L		
249 inch (6 325 mm) (5 legs)	1 M		
<u>30 inch (762 mm) belt width</u>			
84 inch (2 134 mm) (2 legs)	2 A		
99 inch (2 515 mm) (2 legs)	2 B		
114 inch (2 896 mm) (2 legs)	2 C		
129 inch (3 277 mm) (3 legs)	2 D		
144 inch (3 658 mm) (3 legs)	2 E		
159 inch (4 039 mm) (3 legs)	2 F		
174 inch (4 420 mm) (4 legs)	2 G		
189 inch (4 801 mm) (4 legs)	2 H		
204 inch (5 182 mm) (4 legs)	2 J		
219 inch (5 563 mm) (5 legs)	2 K		
234 inch (5 944 mm) (5 legs)	2 L		
249 inch (6 325 mm) (5 legs)	2 M		
SITRANS WW310, 12 inch pulley, enclosed style		7MH7553-	7MH7553-
High accuracy solids weighfeeder for medium to high capacity applications. Improves processing, increases efficiency and provides significant cost savings.			
<u>36 inch (914 mm) belt width</u>			
84 inch (2 134 mm) (2 legs)		3 A	
75 inch (1 905 mm) (2 legs)		3 B	
87 inch (2 210 mm) (2 legs)		3 C	
99 inch (2 515 mm) (3 legs)		3 D	
111 inch (2 819 mm) (3 legs)		3 E	
123 inch (3 124 mm) (3 legs)		3 F	
135 inch (3 429 mm) (4 legs)		3 G	
147 inch (3 734 mm) (4 legs)		3 H	
159 inch (4 039 mm) (4 legs)		3 J	
171 inch (4 343 mm) (5 legs)		3 K	
183 inch (4 648 mm) (5 legs)		3 L	
195 inch (4 953 mm) (5 legs)		3 M	
<u>42 inch (1067 mm) belt width</u>			
63 inch (1 600 mm) (2 legs)		4 A	
75 inch (1 905 mm) (2 legs)		4 B	
87 inch (2 210 mm) (2 legs)		4 C	
99 inch (2 515 mm) (3 legs)		4 D	
111 inch (2 819 mm) (3 legs)		4 E	
123 inch (3 124 mm) (3 legs)		4 F	
135 inch (3 429 mm) (4 legs)		4 G	
147 inch (3 734 mm) (4 legs)		4 H	
159 inch (4 039 mm) (4 legs)		4 J	
171 inch (4 343 mm) (5 legs)		4 K	
183 inch (4 648 mm) (5 legs)		4 L	
195 inch (4 953 mm) (5 legs)		4 M	
<u>48 inch (1 219 mm) belt width</u>			
84 inch (2 134 mm) (2 legs)		5 A	
99 inch (2 515 mm) (2 legs)		5 B	
114 inch (2 896 mm) (2 legs)		5 C	
129 inch (3 277 mm) (3 legs)		5 D	
144 inch (3 658 mm) (3 legs)		5 E	
159 inch (4 039 mm) (3 legs)		5 F	
174 inch (4 420 mm) (4 legs)		5 G	
189 inch (4 801 mm) (4 legs)		5 H	
204 inch (5 182 mm) (4 legs)		5 J	
219 inch (5 563 mm) (5 legs)		5 K	
234 inch (5 944 mm) (5 legs)		5 L	
249 inch (6 325 mm) (5 legs)		5 M	

SITRANS Weighfeeders

SITRANS WW310

12 inch pulley, enclosed style

Selection and ordering data		Order Code	Order Code
Further designs			
Please add "-Z" to article no. and specify order code(s).			
<u>Shear gate arc radius</u>			
Shear gate arc radius: Enter shear gate arc radius in inches (xxx.xx inch)	Y74 (xxx.xx inch)		
<u>Application data</u>			
Enter design units (TPH, MTPH, lb/h, kg/h)	Y71	<u>Safety pull cord switches</u>	
Enter design speed (ft/m, m/s)	Y72	1 pull cord on each side of weighfeeder for emergency shut down activation/alarm	G70
Enter design capacity/rate	Y73	<u>Skirtboard seals for floodable materials</u>	
<u>AC gearmotor reduction ratio</u>		SBR adjustable skirtboard seals to contain material	G72
AC gearmotor reduction ratio: Enter reduction ratio in plain text (X:1)	Y75 (X:1)	Shear curtain for dusty applications and floodable materials	G11
<u>Custom length</u>		<u>Secondary speed detection for differential monitoring</u>	
Select next longest option and specify infeed CL to discharge CL in plain text (indicated inches or millimeters)	Y01	60 PPR motor mounted magnetic p/u (available with speed sensor options 0 ... 6 only)	G16
<u>Gear reducer (select only one)</u>		<u>Plugged discharge chute detection</u>	
KAZ68	G31	CLS100 Capacitance switch	G12
KAZ88	G32	<u>Drag chain clean-out conveyor</u>	
KAZ108	G33	18 inch belt width	G80
KAZ128	G34	24 inch belt width	G81
<u>Bottom covers</u>		30 inch belt width	G82
18 inch Belt width	G40	36 inch belt width	G83
24 inch Belt width	G41	42 inch belt width	G84
30 inch Belt width	G42	48 inch belt width	G85
36 inch Belt width	G43	<u>Local push button station</u>	
42 inch Belt width	G44	Siemens Start, stop, auto/manual, speed control, E-stop hand held operator	G13
48 inch Belt width	G50	<u>Factory test</u>	
<u>Infeed idler style (if CEMA C is not acceptable) only one option per configuration</u>		2.2 test Certificate	C11
CEMA D style	G60	<u>Tagging</u>	
CEMA E style	G61	Stainless steel, laser engraved mounted name plate, enter data to appear on nameplate	Y15
<u>Carrying idler style (if CEMA C is not acceptable) only one option per configuration</u>		Custom design	Y99
CEMA D style	G65	Specify quote reference when ordering	
CEMA E style	G66	<u>Operating instructions</u>	Article No.
<u>Hazardous location approved tracking switches</u>		• English	A5E33490433
Class I, Div. 1, Groups C and D, Class II, Div. 1, Groups F and G	E90	Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.	
ATEX II 2D	E91		

SITRANS Weighfeeders

SITRANS WW310

Accessories and spare parts

Selection and ordering data

Calibration accessories

Calibration hanger weights

200 g (0.4 lb)	7MH7724-1AF
500 g (1.1 lb)	7MH7724-1AG
1 000 g (2.2 lb)	7MH7724-1AH
2 000 g (4.4 lb)	7MH7724-1AJ
3 500 g (7.7 lb)	7MH7724-1BQ
5 000 g (11 lb)	7MH7724-1AK
7 500 g (16.5 lb)	7MH7724-1BR
8 500 g (18.7 lb)	7MH7724-1BS
10 000 g (22 lb)	7MH7724-1BT
12 000 g (26.5 lb)	7MH7724-1BU
15 000 g (33.1 lb)	7MH7724-1BV

Note: Calibration accessories should be ordered as a separate item on the order

Spare parts

Nickel plated steel load cell

10 kg (22 lb)	7MH7725-1EK
15 kg (33.1 lb)	7MH7725-1EL
20 kg (44 lb)	7MH7725-1EM
30 kg (66.2 lb)	7MH7725-1EN
50 kg (110.2 lb)	7MH7725-1EP
75 kg (165 lb)	7MH7725-1CS
100 kg (220 lb)	7MH7725-1CT

Stainless steel load cell

6 kg (13.2 lb)	7MH7725-1EG
12 kg (26.5 lb)	7MH7725-1EH
30 kg (66.1 lb)	7MH7725-1EJ
24 kg (50 lb), CSA/FM/ATEX/IEC EX	7MH7725-1DT
45 kg (100 lb), CSA/FM/ATEX/IEC EX	7MH7725-1DU
113 kg (250 lb), CSA/FM/ATEX/IEC EX	7MH7725-1DV

Optical encoder

500 PPR	6FX20012PA50
1 000 PPR	6FX20012PB00
2 500 PPR	6FX20012PC50
Optical encoder connector	6FX20030SU12
Siemens encoder connector with 20 ft cable	7MH7723-1KM

WS300 speed sensor

32 PPR	7MH7177-1AA100
256 PPR	7MH7177-2AA100
1 000 PPR	7MH7177-3AA100
2 000 PPR	7MH7177-4AD100

Magnetic proximity switch	7MH7723-1GA
Motor mounted sensor flange 56C	7MH7723-1RB
Motor mounted sensor flange 145TC	7MH7723-1RC
Motor mounted sensor flange 182TC 184TC	7MH7723-1RD
Motor mounted sensor flange 213TC 215TC	7MH7723-1RE

Article No.

Article No.

Belt tracking switch	3SE5112-0CR01
Pull cord switch	3SE7120-2DD01
Pull cord switch cable	3SE7910-3AA
Pull cord switch cable clamp	3SE7941-1AC
Bearing, flange, NTN, UCF2, 1 ... 15/16 inch, 4-bolt	A5E01213250
Bearing, flange, NTN, UCF2, 2 ... 15/16 inch, 4-bolt	A5E03856041
Bearing, PB, UCP, 1 ... 7/16 inch	A5E01213243
Bearing, PB, UCP, 2 ... 7/16 inch	PBD-24191273
Termination box 1, 2, 4 load cell and speed sensor, Mild steel	7MH7723-1ND
Termination box 1, 2, 4 load cell and speed sensor, Stainless steel	7MH7723-1NE
Motor, 0.25 HP (0.19 kW), STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NG
Motor, 0.5 HP (0.37 kW), STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NH
Motor, 0.75 HP (0.56 kW) STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NJ
Motor, 1 HP (0.75 kW), STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1NK
Motor, 1.5 HP (1.12 kW), STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PF
Motor, 3HP (2.24 kW), STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PG
Motor, 5 HP (3.73 kW), STD, 200/400 V – 50 Hz 3 ph, 230/460 V – 60 Hz 3 ph	7MH7723-1PH
Motor, 0.25 HP (0.19 kW), STD, 575 V – 50 Hz 3 ph	7MH7723-1NL
Motor, 0.5 HP (0.37 kW), STD, 575 V – 50 Hz 3 ph	7MH7723-1NM
Motor, 0.75 HP (0.56 kW), STD, 575 V – 50 Hz 3 ph	7MH7723-1NN
Motor, 1 HP (0.75 kW), STD, 575 V – 50 Hz 3 ph	7MH7723-1NP
Motor, 1.5 HP (1.12 kW), STD, 575 V – 50 Hz 3 ph	7MH7723-1PM
Motor, 3 HP (2.24 kW), STD, 575 V – 50 Hz 3 ph	7MH7723-1PN
Motor, 5 HP (3.73 kW), STD, 575 V – 50 Hz 3 ph	7MH7723-1PP
Accessories	
Start stop controller	7MH7723-1JA
E-stop push button, enclosed style	3SB38010DF3

Selection and ordering data	Article No.		Article No.
<i>Hazardous rated electrical spare parts</i>			
<u>WS300 speed sensors</u>		Motor, 0.25 HP (0.19 kW), ATEX II 2D 400 V – 50 Hz 3 ph	1LA90734KA94-Z
32 PPR CSA/FM/ATEX/IEC EX	7MH7177-1AA100	Motor, 0.5 HP (0.37 kW), ATEX II 2D 400 V – 50 Hz 3 ph	1LA90834KA94-Z
256 PPR CSA/FM/ATEX/IEC EX	7MH7177-2AA100	Motor, 0.75 HP (0.56 kW), ATEX II 2D 400 V – 50 Hz 3 ph	1LA90904KA94-Z
1 000 PPR CSA/FM/ATEX/IEC EX	7MH7177-3AA100	Motor, 1 HP (0.75 kW), ATEX II 2D 400 V – 50 Hz 3 ph	1LA90964KA94-Z
<u>Motors</u>		Motor, 1.5 HP (1.12 kW), ATEX II 2D 400 V – 50 Hz 3 ph	1LA91064KA94-Z
Motor, 0.25 HP (0.19 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 230/460 V – 60 Hz 3 ph	7MH7723-1PB	Motor, 3 HP (2.24 kW), ATEX II 2D 400 V – 50 Hz 3 ph	1LA91134KA94-Z
Motor, 0.5 HP (0.37 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 230/460 V – 60 Hz 3 ph	7MH7723-1PC	Motor, 5 HP (3.73 kW), ATEX II 2D 400 V – 50 Hz 3 ph	1LA91334KA94-Z
Motor, 0.75 HP (0.56 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 230/460 V – 60 Hz 3 ph	7MH7723-1PD	Belt tracking switch, ATEX II 2D/Class I Div. 1, groups C&D, Class II Div. 1, groups F&G	7MH7723-1RA
Motor, 1 HP (0.75 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 230/460 V – 60 Hz 3 ph	7MH7723-1NV		
Motor, 1.5 HP (1.12 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 230/460 V – 60 Hz 3 ph	7MH7723-1PT		
Motor, 3 HP (2.24 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 230/460 V – 60 Hz 3 ph	7MH7723-1PU		
Motor, 5 HP (3.73 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 230/460 V – 60 Hz 3 ph	7MH7723-1PV		
Motor, 0.25 HP (0.19 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 575 V – 50 Hz 3 ph	7MH7723-1QA		
Motor, 0.5 HP (0.37 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 575 V – 50 Hz 3 ph	7MH7723-1QB		
Motor, 0.75 HP (0.56 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 575 V – 50 Hz 3 ph	7MH7723-1QC		
Motor, 1 HP (0.75 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 575 V – 50 Hz 3 ph	7MH7723-1QD		
Motor, 1.5 HP (1.12 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 575 V – 50 Hz 3 ph	7MH7723-1QE		
Motor, 3 HP (2.24 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 575 V – 50 Hz 3 ph	7MH7723-1QF		
Motor, 5 HP (3.73 kW), Class I Div. 1, groups C&D, Class II Div. 1, groups F&G, 575 V – 50 Hz 3 ph	7MH7723-1QG		

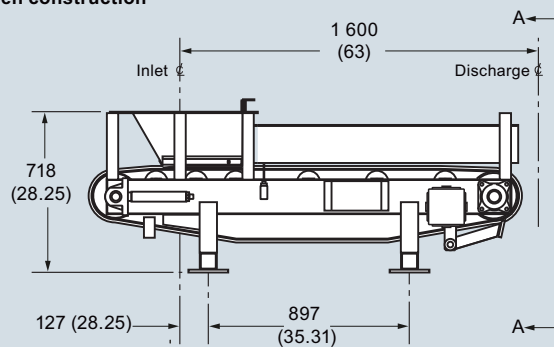
SITRANS Weighfeeders

SITRANS WW310

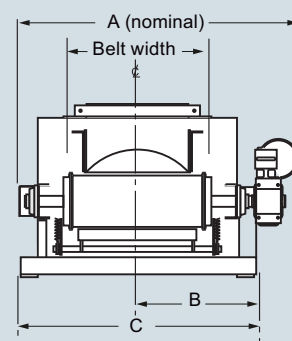
Dimensional drawings and schematics

Dimensional drawings

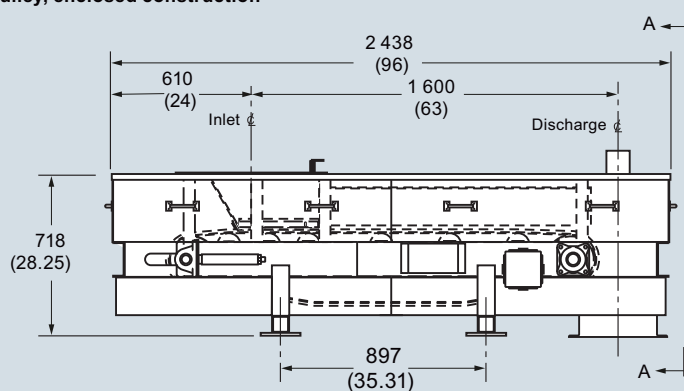
8 inch pulley, open construction



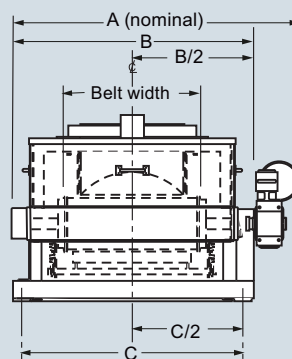
View A-A



8 inch pulley, enclosed construction



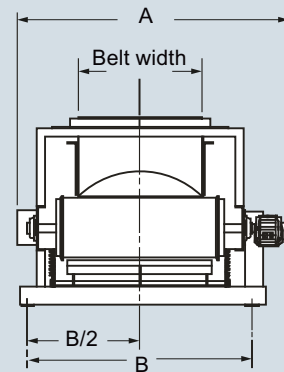
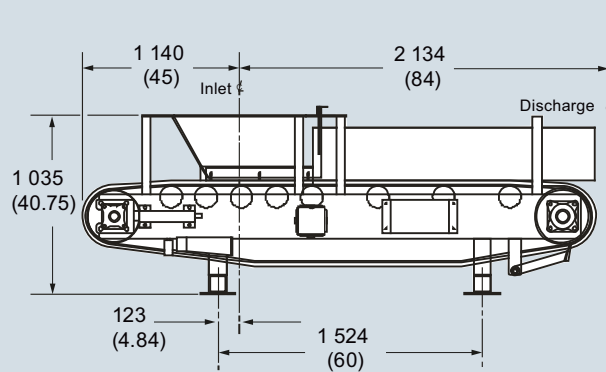
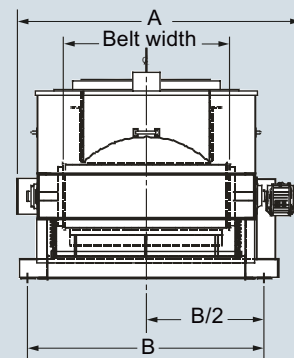
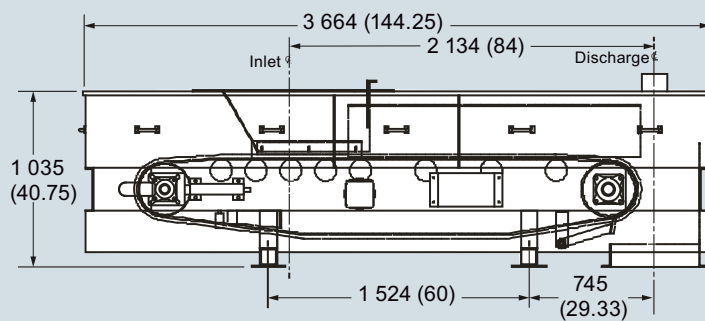
View A-A



Open unit			
Belt width	A	B	C
457 (18)	1 143 (45)	406 (16)	813 (32)
610 (24)	1 295 (51)	482 (19)	965 (38)
762 (30)	1 448 (57)	558 (22)	1 118 (44)
914 (36)	1 600 (63)	635 (25)	1 270 (50)
1 067 (42)	1 753 (69)	711 (28)	1 423 (56)

Enclosed unit			
Belt width	A	B	C
457 (18)	1 143 (45)	914 (36)	813 (32)
610 (24)	1 295 (51)	1 066 (42)	965 (38)
762 (30)	1 448 (57)	1 219 (48)	1 118 (44)
914 (36)	1 600 (63)	1 371 (54)	1 270 (50)
1 067 (42)	1 753 (69)	1 523 (60)	1 423 (56)

SITRANS WW310, dimensions in mm (inch)

12 inch pulley, open construction

12 inch pulley, enclosed construction


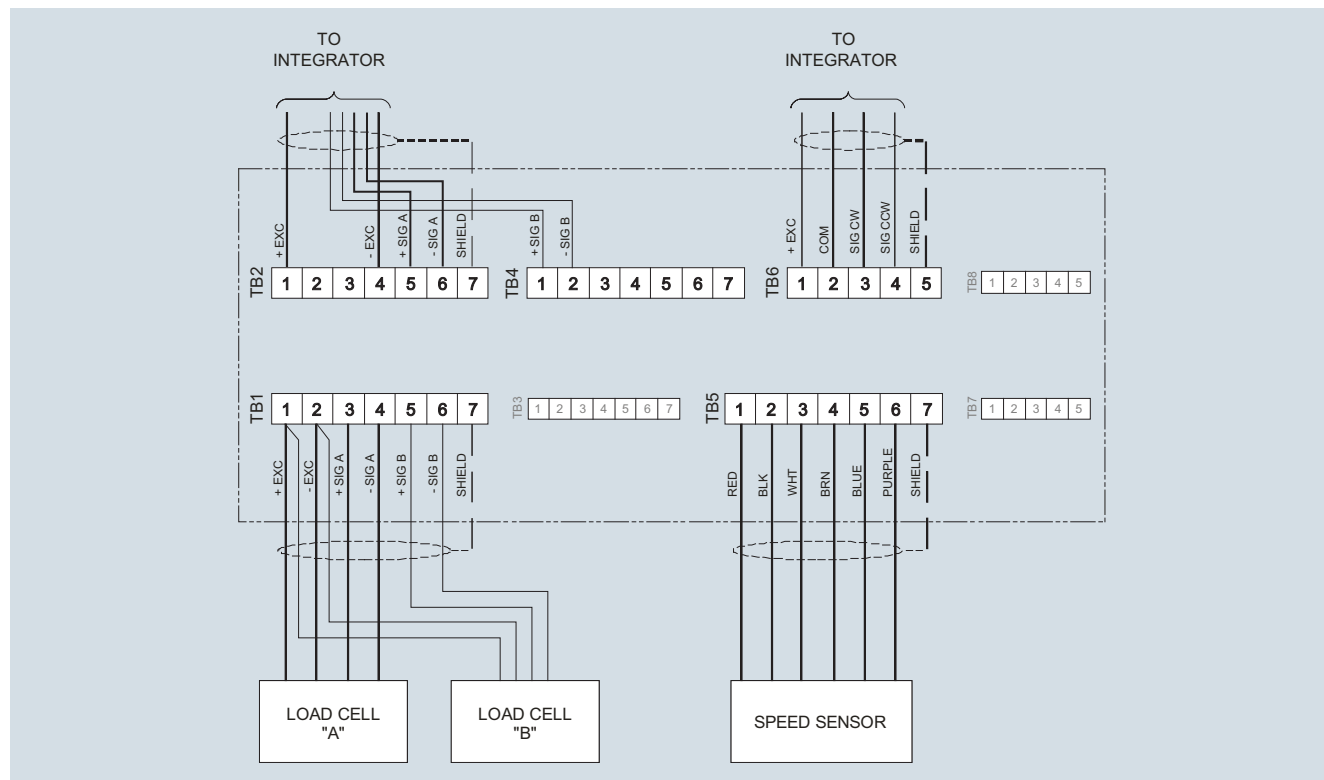
Open unit		
Belt width	A	B
457 (18)	1 092 (43)	838 (33)
610 (24)	1 245 (49)	991 (39)
762 (30)	1 397 (55)	1 143 (45)
914 (36)	1 549 (61)	1 295 (51)
1 067 (42)	1 702 (67)	1 448 (57)
1 219 (48)	1 854 (73)	1 600 (63)

Enclosed unit		
Belt width	A	B
457 (18)	1 092 (43)	838 (33)
610 (24)	1 245 (49)	991 (39)
762 (30)	1 397 (55)	1 143 (45)
914 (36)	1 549 (61)	1 295 (51)
1 067 (42)	1 702 (67)	1 448 (57)
1 219 (48)	1 854 (73)	1 600 (63)

SITRANS WW310, dimensions in mm (inch)

SITRANS Weighfeeders

SITRANS WW310

Dimensional drawings and schematics**Schematics**

SITRANS WW310, connections

SITRANS Weighfeeders

SITRANS weighfeeder peripherals

Selection and ordering data

Milltronics Weighfeeder 400, 600, and 800 SITRANS WW200, WW300¹⁾ spare load cells

	Article No.	
Nickel plated		
10 kg (22 lb)	7MH7725-1EK	
15 kg (33.1 lb)	7MH7725-1EL	
20 kg (44 lb)	7MH7725-1EM	
30 kg (66.2 lb)	7MH7725-1EN	
Stainless steel		
6 kg (13.2 lb)	7MH7725-1EG	
12 kg (26.4 lb)	7MH7725-1EH	
30 kg (66.2 lb)	7MH7725-1EJ	
25 lb (11.3 kg)	PBD-23900224	
50 lb (22.7 kg)	PBD-23900225	
100 lb (45.4 kg)	PBD-23900242	

Milltronics Weighfeeder 1200/ SITRANS WW300 spare load cells

	Article No.	
Nickel plated		
50 kg (110.2 lb)	7MH7725-1CU	
100 kg (220.5 lb)	7MH7725-1CV	
150 kg (330.7 lb)	7MH7725-1CW	
200 kg (440.9 lb)	7MH7725-1CX	
Stainless steel		
Stainless steel load cell [17-4 PH (1.4568) stainless steel construction with 304 (1.4301) stainless steel cover		
50 lb (22.7 kg)	7MH7725-1AC	
100 lb (45.4 kg)	7MH7725-1AD	
250 lb (113.4 kg)	7MH7725-1AE	
500 lb (226.8 kg)	7MH7725-1AF	
Calibration hanger weights		
200 g (0.4 lb)	7MH7724-1AF	
500 g (1.1 lb)	7MH7724-1AG	
1 000 g (2.2 lb)	7MH7724-1AH	
2 000 g (4.4 lb)	7MH7724-1AJ	
3 500 g (7.7 lb)	7MH7724-1BQ	
5 000 g (11 lb)	7MH7724-1AK	
7 500 g (16.5 lb)	7MH7724-1BR	
8 500 g (18.7 lb)	7MH7724-1BS	
10 000 g (22 lb)	7MH7724-1BT	
12 000 g (26.5 lb)	7MH7724-1BU	
15 000 g (33.1 lb)	7MH7724-1BV	

¹⁾ For aluminum model, use nickel plated alloy steel.

SITRANS Weighfeeders

Notes