



MET-TECH | Product Data Sheet

CONTINUOUS GALVANISING LINE - 720-1250 MM - 0.2-1.6 MM - 120-500 G/M²

Ref. No.: GALVANISINGL200601

Year: 1997

Brand: POSCO

Qty. 1 Second-hand continuous galvanising line

Mfc.: POSCO Built

Strip width: 720 ? 1250 mm Thickness

De-Coiler ID 508 mm OD 2000 mm Weight: 20 Tons

Finished product: Coil Strip width

ID 508 mm OD 1600 mm Weight: 10 Tons

Sheet Strip width: 720-1250 mm Thickness

Line speed Entry section: max. 150 m/min. Process section

Exit section: Coiling max. 150 m/min. Shearing max. 100 m/min.

Threading speed: 20 m/min.

Coating method Both sides coating, Regular spangle

Coating weight 120-500 g/m² based on both sides

Post treatment Chromating

Electricity High voltage 10 kV Low voltage 380 V AC, 3 ph., 50 Hz, 220 V AC, 1 ph.

Water Pressure min. 3 kg/cm²

Steam Pressure min. 5 kg/cm² Temperature min. 158 °C

Production process Coil skid Coil car Pay-off reel Entry shear Welder

Pre-cleaning Entry looper Steering roll unit Heating furnace Snout

Galvanising furnace Air knife Cooling tower Coating weight gauge

Tension leveller Chemical treatment Exit looper Tension reel

Rotary shear Reject and prime piler

Motor list DC: DC Motor IM

No	Description	Qty.	Type	Power kW	Voltage V
01	Entry Section				
	No. 1 & No. 2 Payoff reel	2	DC	22	440

02 No. 1 & No. 2 Payoff reel C/F	2 IM	1.5	380
03 No. 1 6 No. 2 Payoff reel Lubr.	2 IM	0.75	380
04 No. 1 Pinch roll & threading table	1 GM	3.7	380
05 No. 2 Pinch roll & threading table	1 GM	3.7	380
06 DC Shear	2 GM	3.7	380
07 Deflector pinch roll	1 GM	3.7	380
08 Welder	1	200	380
09 Welder carriage motor	1 IM	3.7	380
10 No. 1 Tension B/R	1 DC	15	440
11 No. 1 Tension B/R	2 DC	22	440
12 No. 1 Tension B/R	1 ? C/F 1 IM	0.75	380
No Description	Qty. Type	Power kW	Voltage V
13 No. 1 Tension B/R	2 ? C/F 1 IM	0.75	380
14 No. 1 Degreasing circular / Pump	2 IM	3.7	380
15 Alkali mixing tank agitator	1 GM	0.75	380
16 Brush scrubber spray pump	2 IM	3.7	380
17 Brush scrubber brush roll	1 IM	22	380
18 No. 2 Degreasing circular / Pump	2 IM	30	380
19 No. 1 Rinseasing spray pump	2 IM	15	380
20 No. 2 Rinseasing spray pump	2 IM	15	380
21 Fume exhaust fan	1 IM	5.5	380
22 No. 1 Hot air dryer	1 IM	55	380
23 No. 2 Tension B/R-1	1 DC	15	380
24 No. 2 Tension B/R-2	1 DC	15	380
25 No. 2 Tension B/R-1 C/F	1 IM	0.75	380
26 No. 2 Tension B/R-2 C/F	1 IM	0.75	440
27 Entry looper car	1 DC	45	440
28 Entry looper car C/F	1 IM	1.5	380
29 No. 3 Tension B/R-1	1 DC	0.75	380
30 No. 3 Tension B/R-2	1 DC	3.7	380
31 No. 3 Tension B/R-1 C/F	1 IM	0.75	380
32 No. 3 Tension B/R-2 C/F	1 IM	0.4	380
33 Entry hydr. System	2 IM	37	380
34 Entry hydr. System heating element	1	7.5	380
35 Pumps for degreasing area	2 IM	1.5	380
Process Section			
01 Entry seal roll	1 DC	4	440
02 Entry seal roll for emergency	1 IM	0.5	380
03 Heating section hearth roll	10 DC	1.5	440

04 Combustion air blower	1 IM	22	380
05 Pilot air blower	2 IM	1.5	380
06 Soaking section hearth roll	3 DC	1.5	440
07 Heating element	1	120	380
08 Jet cooling hearth roll	1 DC	1.5	440
09 Jet cooling fan motor	1 IM	22	380
10 Galvanising ? heating element	1	330	440
11 Safety troughs	3	15	440
12 Air knife blower	2 IM	110	380
13 Nozzle adjustment	1 GM	5.5	380
14 Strip/Nozzle distance	2 GM	0.18	380
15 Cooling blower	3 IM	75	380
16 No. 3 Deflector roll snubber roll	1 GM	3.7	380
17 Water quench tank dryer blower	1 IM	75	380
18 Water quench tank pump	2 IM	3.7	380
19 Furnace control cubicle	1	5	380
20 Ignition point cabinet	1	100	380
21 Flame control cubicle	2	3	
22 No. 4 Bridle roll	2 DC	32.5/54	440
23 No. 4 Bridle roll C/F	1 IM	0.7	380
24 No. 5 Bridle roll ? main motor	1 DC	130	440
25 No. 5 Bridle roll C/F	1 IM	0.75	380
26 No. 6 Bridle roll	2 DC	32.5/54	440
27 No. 6 Bridle roll C/F	1 IM	0.75	380
28 Elongation motor	1 DC	15	440
29 Tension leveller lubr. Pump	2 IM	1.5	380
30 Chromating circulation pump	2 IM	1.75	380
31 Chromating agitator	1 GM	0.75	380
No Description	Qty. Type	Power kW	Voltage V
32 Chromating fume exhaust	1 IM	7.5	380
33 No. 2 Hot air dryer	1 IM	55	380
34 Pumps for chemical treatment area	2	0.75	380
35 Pumps for water quench area	2 IM	0.75	380
Exit Section			
01 Exit looper car	1 DC	45	440
02 Exit looper car C/F	1 IM	2.2	380
03 Exit looper car lubr.	1 IM	0.75	380
04 No. 7 Tension B/R-1	1 DC	22	440
05 No. 7 Tension B/R-2	1 DC	30	440

06	No. 7 Dividing shear	B/R C/F	2 IM	3.7	380
07	Dividing shear	W/P R	1 GM	3.7	380
08	Exit deflector	P/R	1 GM	2.2	380
09	Tension reel & belt wrapper		1 DC	90	440
10	Tension reel & belt wrapper	C/F	1 IM	3.7	380
11	Tension reel & belt wrapper	lubr.	1 IM	0.75	380
12	Exit No. 3 pinch roll & threading table		1 DC	22	440
13	Leveller		1 DC	55	440
14	Leveller	C/F	1 IM	3.7	380
15	Leveller	lubr.	1 IM	0.75	380
16	Rotary shear		1 IM	75	380
17	Rotary shear	lubr.	1 IM	0.75	380
18	No. 2 Inspection table		2 GM	5.5	380
19	No.1 Piler conveyor		1 GM	15	380
20	No. 1 Piler drive		1 GM	0.75	380
21	No. 1 Piler blower		1 IM	7.5	380
22	No. 1 Piler drive		1 GM	0.4	380
23	No. 1 Run-out conveyor		4 GM	0.4	380
24	No. 2 Piler conveyor		1 GM	5.5	380
25	No. 2 Piler drive		1 GM	0.75	380
26	No. 1 Piler blower		1 IM	7.5	380
27	No. 2 Piler drive		1 GM	0.4	380
28	No. 2 Run-out conveyor		4 GM	0.4	380
29	No. 3 Piler drive		1 GM	0.75	380
30	No. 3 Piler blower		1 IM	7.5	380
31	No. 3 Piler drive		1 GM	0.4	380
32	No. 3 Run-out conveyor		4 GM	0.4	380
33	Exit hydr. system		2 IM	55	380
34	Exit hydr. System heating element		1	7.5	380

Water Treatment System

01	Cold water pump		2 IM	30	380
02	Emergency cold water pump		1 IM	5.5	380
03	Direct water supply pump		2 IM	5.5	380
04	Fire fighting pump		1 IM	45	380
05	Jockey pump		1 IM	3.7	380
06	Filter water pump		2 IM	2.2	380
07	Blocide pump		2 IM	0.2	380
08	Inhibitor pump		2 IM	0.2	380
09	NaOH pump		2 IM	0.2	380

10	Agitator for blocide tank	1	IM	0.4	380
11	Agitator for inhibitor tank	1	IM	0.4	380
12	Agitator for NaOH tank	1	IM	0.4	380
13	Cooling tower	1	IM	15	380
14	Water supply pump	2	IM	5.5	380
No	Description	Qty.	Type	Power kW	Voltage V
15	Emergency pump	2		19	
Water Treatment System					
01	Waste water storage pump	2	IM	3.7	380
02	Culvert sump pump	2	IM	1.5	380
03	Chromate 3rd pump	2	IM	0.97	380
04	Agitator for PH control tank	1	IM	1.5	380
05	Agitator for coagulation tank	1	IM	1.5	380
06	Agitator for flocculation tank	1	IM	1.5	380
07	NaHSO3 pump	2	IM	0.2	380
08	Agitator for NaHSO3 tank	1	IM	0.4	380
09	H2SO4 pump	2	IM	0.2	380
10	Agitator for H2SO4 tank	1	IM	0.4	380
11	NaOH pump	1	IM	0.4	380
13	Alum pump	2	IM	0.2	380
14	Agitator for Alum tank	1	IM	0.4	380
15	Polymer pump	2	IM	0.2	380
16	Agitator for Polymer tank	1	IM	0.4	380
17	Aeration blower	2	IM	3.7	380
18	Agitator for chromate reduction tank	1	IM	0.2	380
19	Agitator for 1st & 2nd PH cont. tank	2	IM	0.2	380
20	Sludge injection pump	1	IM	3.7	380
21	Cyclo reducer for sedimentation tank	1	IM	0.4	380
22	Feed pump (A/B)	1	IM	0.45	380
23	Sludge feed pump (A/B)	1	IM	2.2	380
24	Filter press	1	IM	3.7	380
25	Sump pump for chemical T. area	1	IM	0.75	380
26	Sump pump for quenching area	1	IM	0.75	380
27	Sump pump for degreasing area	1	IM	1.5	380
28	Air conditioner	1	IM	37	380
29	Air conditioner	1	IM	22	380
LPG Supply System					
01	Vaporiser	2	IM	56	380
02	Vapor compressor	1	IM	11	380

Compressed Air Supply System

01 Air compressor	2 IM	55	380
02 Refrigerate dreyer	1 IM	5.5	380
03 Adsorption air dryer	1 IM	5.5	380

Fuel Oil Supply System

01 Fuel oil feed pump	2 IM	0.2	380
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Transportation Equipment

Entry Crane

01 Motor for hoisting	1 IM	45	380
02 Motor for traversing	1 IM	3.7	380
03 Motor for travelling	2 IM	7.5	380

Exit Crane

01 Motor for hoisting	1 IM	30	380
02 Motor for traversing	1 IM	3.7	380
03 Motor for travelling	2 IM	5.5	380

Process Crane

01 Motor for hoisting	1 IM	4.2	380
No Description	Qty. Type	Power kW	Voltage V
02 Motor for traversing	1 IM	0.5	380
03 Motor for travelling	2 IM	1.0	380

Hoist for Pot Area

01 Motor for hoisting	2 IM	9.0	380
02 Motor for traversing	1 IM	0.75	380
03 Motor for travelling	2 IM	1.5	380

Hoist for Roll Shop

01 Motor for hoisting	1 IM	4.2	380
02 Motor for traversing	1 IM	0.5	380
03 Motor for travelling	2 IM	0.5	380