

APMT

On Sell Equipment

Equipment .: STS 909 Bcn

Version 0.1

Classification: Internal

Revision History

Revision	Date	Description
0.1	07-09-2020	Equipo on Sell

Revision Status

Revision	Description	Issue Date	Prepared By	Checked By	Approved By
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1 General Picture



2 Sell mode

As it is what it is.

3 Contacts

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4 Technical data

4.1Crane Dimensions and Features

4.1.1 Crane dimensions

The following table depicts the main dimensions of the Crane on Sell.

Table 1: Crane dimensions

Description	Capacity/Dimension
STS Crane type [A-frame, low-profile, articulated boom, etc]	Articulates bogies
Boom & girder construction type [mono box, double box, lattice]	Double box
Trolley type [self-propelled, rope towed, machinery trolley]	Rope towed
Outreach from waterside rail center	38.000 mm
Span [rail center to center distance]	15.240 mm
Backreach from landside rail center	15.000 mm
Height under spreader, above waterside rail	30.500 mm
Lowest point of spreader, below waterside rail	15,000 mm
Total spreader hoisting/lowering path	45.500 mm
Clearance between portal legs [minimum]	13.100 mm
Overall length from buffer to buffer [uncompressed]	27,200 mm
Clearance under portal beam	14.750 mm
Upper spreader emergency stop clearance, headblock to struct [minimum]	2.700 mm
Maximum boom or trolley width	7,800 mm
Main power supply	cable reel 6kV,50 Hz
Electrical system	DC
Inverters	Thyristors units
Supply to trolley [festoon, cable chain, bus bars]	Festoon
Auxiliaries voltage	400/230V 50Hz
Gantry travel distance from MV supply point	± 300 m
Distance from WS rail Center to quay wall's edge	3.600 mm
Quay Fenders depth	1,900 mm
number of wheels per corner	8
Rails same height	A-100
Gantry buffers height	1,400 mm

4.1.2 Operating speeds and accelerations

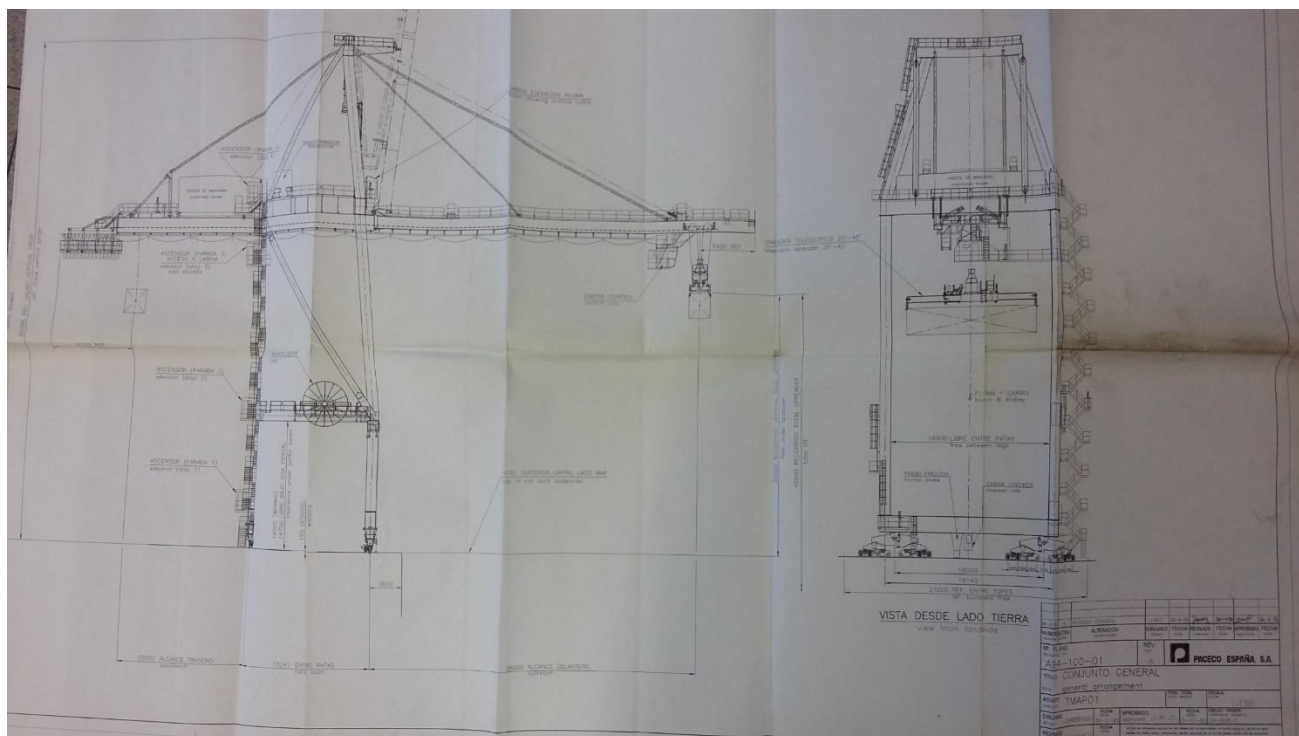
	Speeds	De-/Acceleration Ramp Times
Hoisting/Lowering with rated load 40 t	59.2 m/min	0.5 m/s ² (2 s)
Hoisting/Lowering with empty spreader	133 m/min	0.5 m/s ² (4.4 s)
Trolley travel (full load) against operating wind load	150 m/min	0.62 m/s ² (4 s)
Gantry travel against operating wind load min.	45 m/min	0.1 m/s ² (7 s)
Boom hoist, raise/lower from 0° to 85°:	5 min	

4.1.3 Lifting capacity

Table 3: Lifting Capacities

Description	Dimension
Lifting capacity under spreader	SWL single lift 40 t

5 Drawings



6 Pictures









