



Liebherr STS LSP 250 M



YEAR: 1997

OUTREACH: 35m

BACK REACH: 15,24m

SPAN: 15,24m

GOOD WORKING CONDITIONS



Liebherr STS LSP 250 M

2.) TECHNICAL DATA (cont'd.)

2.2. PHYSICAL DIMENSIONS

The Physical dimensions of the crane are as follows:
(To be read in conjunction with crane drawing IR 6165/3)
For location of crane IR 1384, see site layout drawing
No. IR SL 6165.

SPAN _____	15.24m.	(50ft.)
OUTREACH ON WATERSIDE _____	35.00m.	(115ft.)
OUTREACH ON LANDSIDE _____	15.24m.	(50ft.)
SPREADER HEIGHT ABOVE RAIL _____	24.39m.	(80ft.)
LOWEST POINT OF SPREADER BELOW RAIL _____	15.0 m.	(49.2ft.)
TOTAL SPREADER HOISTING _____	39.39m.	(129.2ft.)
WHEEL GAUGE AT WATERSIDE _____	17.00m.	(55.7ft.)
WHEEL GAUGE AT LANDSIDE _____	17.00m.	(55.7ft.)
OVERALL LENGTH BUFFER TO BUFFER _____	26.00m.	85.3ft.)
MAX. OVERALL WIDTH OF TROLLEY _____	6.45m.	(21.1ft.)
CLEARANCE UNDER SILL BEAM _____ (from top of landside rail)	13.0 m.	(42.6ft.)
CLEARANCE BETWEEN PORTAL LEGS _____	15.24m.	(50.0ft.)

NOTE: The top of the landside rail will be 152 mm.
higher than the top of the seaside rail.
The crane structure will be designed and
manufactured accordingly.

NOTE: Rail levels still require confirmation.



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2.) TECHNICAL DATA (cont'd.)

2.3. OPERATING SPEEDS AND MOTORS

All speeds are within $\pm 5\%$ when using the maximum allowable loads :

2.3.1. HOIST UNIT

275 kW D.C. Motor driven by 380 kW AC Motor and DC Generator - Ward Leonard control.

LOAD/SPEED RANGE

28.0 m./min. (91.8 ft./min.) - 47 Tonnes

29.0 m./min. (95.0 ft./min.) - 45 Tonnes

70.0 m./min. (230.0 ft./min.) - 14 Tonnes

Above hoist speeds are continuously variable and load-dependent up to the max. speed quoted.

2.3.2. TROLLEY UNIT

2 x 25 kW DC Motors driven by a 70 kW AC Motor and DC Generator with Ward Leonard Control Set. (Self-powered trolley).

Cross Travel Speed : 120 m./min. (394 ft./min.)

2.3.3. LONG TRAVEL UNIT

6 x 15.0 kW DC Motors with Ward Leonard Control.

Long Travel Speed : 36 m./min. (118 ft./min.)

2.3.4. DEPRICK UNIT

45 kW D.C. Motor with Ward Leonard Control.

Derricking Time : 7 minutes.