

# TECHNICAL DATA

CRANE TYPE: MCVC 2201-(23,5-30)T-(19,5-15,3)m(40T-11,5m) Dupl.

MACHINE NO.: 82641-0790

|                                         |   |                                                                                                                               |
|-----------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------|
| Lifting capacity:                       | : | 23,5 ton SWL at 19,5 meter (3 wire fall)                                                                                      |
|                                         | : | 30 ton SWL at 11,5 meter (3 wire fall)                                                                                        |
| Heavy lift bracket                      | : | 40 ton SWL at 11,5 meter (4 wire fall)                                                                                        |
| Working radius 23,5 ton                 | : | 19,5 meter maximum jib horizontal                                                                                             |
|                                         | : | R min = 3,5 m                                                                                                                 |
| 30 ton                                  | : | 15,3 meter                                                                                                                    |
|                                         | : | R min = 3,5 m                                                                                                                 |
| Heavy lift 40 ton                       | : | 11,5 meter maximum jib horizontal                                                                                             |
|                                         | : | R min = 2,3 m                                                                                                                 |
| Constant moment system                  | : | Lifting capacity is automatic a function of work radius between 15,3 and 19,5 meter. As radius decreases, capacity increases. |
| Hoisting speed given with 3 wire fall   | : | 33 m/min at 12 ton                                                                                                            |
|                                         | : | 15 m/min at 30 ton                                                                                                            |
| Hoisting speed heavy lift               | : | 7,5 m/min. at 0-40 ton                                                                                                        |
| Load dependent speed system             | : | Hoisting speed is automatic a function of load between 0 and 30 ton.                                                          |
| Hoisting height                         | : | 39 meter                                                                                                                      |
| Hoisting height with heavy lift bracket | : | 35 meter                                                                                                                      |
| Luffing time (0-78°)                    | : | 80 seconds from horizontal for all loads.                                                                                     |
| Slewing speed                           | : | 0,9 r.p.m. at full load with max heel, for all loads.                                                                         |
| Heel + trim (list)                      | : | 7° + 2° for all loads.                                                                                                        |
| Slew sector                             | : | 360 deg. unlimited.                                                                                                           |
| Weight of crane, approx.                | : | 38 ton without oil, incl. foundation h = 2000 mm.                                                                             |

ELECTRICAL MOTOR DATA : Type Brook 7R-315MD

Power : 245 kW (S6 - 40% I.D.)  
: 160 kW (S1)

Voltage : 380V, 50Hz, 3ph

Isolation class : F

Protection class : IP55

Duty rating : S6, 40% ID

Stillstand heating : 80 Watt, 220V, 50Hz, 1ph

Full load current : 426 Amp (S6 - 40% I.D.)  
: 278 Amp (S1)

Start current DOL : 1980 amp

Start current delta-start : 660 amp

CABINE : 5kW

Voltage : 220V, 50Hz, 1ph

OPERATING PRESSURE:

Main pressure jib/slew 240 Bar

Jib up 240 Bar

Jib down 50 Bar

Slew 240 Bar

Main pressure winches 240 Bar

Winch up, main/aux 240 Bar

Winch down, main 150 Bar

Winch down, aux 110 Bar

Pump capacity 280 + 280 l/min. (280 l/min. to winches and 280 to jib & slew)

LOADING TO DECK STRUCTURE:

Crane weight, approx. : 38 ton

Max load in hook : 23,5 ton

Load moment static : 615 ton.meter

Load moment test : 745 ton.meter

Slew brake moment : 120 ton.meter