

110M Ore Cargo Barge



PERFORMANCES AND TECHNICAL DATA

Main data :

- Hull length 110m
- Hull width 28m
- Hull depth 6.5m
- Class:RINA
- Built:2014
- Design draught 4m
- Complement 39P
- Main Power supply : AC 440V 60Hz
- Control power supply : AC 220V 60Hz
- Max. trim 2 °Max. heel 5°
- Ambient temperature : 0°C–45°C
- Wind speed in service condition : 20m/s
- Wind speed out of service condition : 55m/s



UnloaderCrane Data

Hoist Capacity		52T
Lift height	Onboard	11M
	Offboard	10M
Working radius	Max. radius	22M
	Min. radius	≤10M
Tail Radius		≤7.9M
Rated speed	Grab bucket Rated hoisting speed	Empty load 70m/min W Full load 45m/min
	Luffing speed	30m/min

	Slewing speed	1.2rpm
Drive and Control		AC VFD, PLC Control
Supply Power		440V , 60Hz

Belt Conveyor Data

Rating productivity	2500T/H
Max. productivity	3000T/H
Material typ	iron ore
Density	4t/m ³
Breadth of feeding belt conveyor	1400mm
Breadth of off belt conveyor	1800mm
Convey speed	2m/s

Shiploader Data

Productivity	Rated	2500t/h
	Max.	3000t/h
Material features	Iron ore	
Telescope Belt	Speed/breadth	2.0m/s / 1.4m
	Angle/roller dia.	35° / 159mm
	Electrical motor	132kW 1180rpm
	Tensioning type	Hydraulic
Telescope apparatus	Telescope distance	5000mm
	Telescope speed	6/3m/min
	Electrical motor	18.5kW 1800rpm
Luffing apparatus	Working angle	-12°~ +16°
	Leisure angle	+20°
	Hydraulic-cylinder	Stoke =2300mm Speed =2mm/s
Chute tube apparatus	Rotary power	2.2kW/1800rpm
	Rotary bearing	011.45.1250.001
Slewing apparatus	Slewing radius	24-29m
	Slewing angle	-90°——90°
	Slewing speed	0.15rpm
	Electrical motor	2*7.5kW 880rpm
	Slewing bearing	132.50.3150.002
Power Supply	Supply power	50Hz
	Type	3 Phase
	Total Capacity	255kW
Weight	Self-weight217.9T	Counterweight 104.1T