



WISE W110

YEAR 2009

EXCELLENT CONDITION NEVER BEEN INSTALLED DUE TO SITE ISSUES.

THIS MACHINE IS COMING BACK TO THE UK SHORTLY.

WILL BE FULLY SERVICED.

BUILT UP CHECKED AND NEW OILS ETC

NEW SLINGS

NEW WINCH ROPES

SHIPPING 32 DAYS FROM ORDER

3 WEEKS FOR CHECKS ALTERATIONS ETC .



SPECIFICATION FOR A WISE 110 TONNE MARINE HOIST

CAPACITY

110,000 kg

equally displaced on all winches with a maximum sling angle not exceeding 15° from vertical.

DIESEL ENGINE

Iveco direct injection four stroke diesel engine developing 150 HP at 2000 RPM.



The engine will drive a variable displacement closed circuit hydrostatic pump for transmission and four gear pumps for winching and the fifth pump for steering trolleys and optional jib crane if fitted.

FRAME

Open frame design all structural members with welding to British Standards Approved Procedures. All calculations to BS 2573 - Design Rules and permissible stresses in cranes.

Single forward Cross Beam Member With Pivot Bearing designed to eliminate frame stress when travelling over uneven ground and giving added clearance for mast and fore-stays.

WINCHES

Four individually controlled epicyclic gearboxes with built in fail safe brakes secured directly to each winch drum eliminating chain drive connection. This design is recommended by the Health and Safety Executive and British Standards Institution. The winch is powered by a single speed hydraulic motor giving 110 ton lift at 2.6 metres per min. A two speed hydraulic motor giving 110 ton lift at 2.6 metres per min and 55 ton at 5.2 metres per min. and 50 ton at 5.2 metres per min is available as an optional extra. Standard hook drop below ground level 5 metres.

POWER PACK

Iveco diesel engine driving hydraulic pumps housed in a sound proofed canopy with four access doors each with gas struts for ease of access. Diesel and hydraulic tank with level and temperature gauges, hydraulic oil filter with visual indicator and all hydraulic valves. The valves are situated in the canopy away from the driver as required by the CE directive.

HYDRAULIC SYSTEM

Variable displacement closed circuit hydrostatic pump to power the transmission system, this provides a very smooth stepless control over the full speed range and also provides dynamic braking.

A bank of 4 gear pumps supplied power for all auxiliary functions such as winching, steering and sling centre adjustment. All hydraulic parts are high quality precision manufactured components from Europe's leading manufacturers.

The whole hydraulic system is protected by a 10 micron absolute filter with visual indicator. All hydraulic services are protected by relief valves with backup relief valves to prevent any system being overloaded.

TROLLEY SYSTEM

The trolleys are moved by direct coupled hydraulic cylinders with an automatic re-alignment valve fitted to each one. The trolley runs on a self-lubricating polymer



bearings, consequently, none of the system requires any maintenance such as greasing or rope adjustment.

SLING SYSTEM

Eight heavy duty polyester boat slings are provided each with a factor of safety of 7:1. All slings are protected against wear with nylon sleeves. Each sling has shortening eyes to accommodate a wide range of boat hulls.

WIRE ROPES

All winch ropes are galvanised 'Dyform' type, manufactured to BS 302. All sheave and winch diameters are to BS 2573.

TYRES

Four size 21 X 29 earth moving tyres operating at 7.25 bar.

TRANSMISSION

Direct drive on each steer wheel using hub mounted epicyclic gearbox with fail safe brakes and hydraulic motion control lock valves to protect each hydraulic high efficiency piston type motor over-run speed. Each steer wheel has automatic differential feature. Operating speed up to 68M/MIN (optional) (4KMH) gradability - 5% with full load.

STEERING

Hydraulic power steering leading to drive wheels giving 90 ° Ackerman with zero inside turning circle. Each wheel arch pivots on a ball race slewing ring. Four wheel or multi mode steer is available as an option.

LOAD INDICATORS

Load weight indicators are provided for indicating the load on each pair of winches.

DRIVERS STAND

A full drivers stand mounted high on the side beam to give maximum visibility fore and aft. A full set of engine controls and automatic shutdowns including oil pressure warning light, water temperature warning light, charge warning light, hour meter, ignition starting switch and engine throttle. Weight indicator gauge hydraulic controls to winching steering, speed control and trolley valve.

PAINT FINISH



All steelwork is shotblasted to Swedish Standard 2.1/2 prior to painting, two coats of zinc enriched primer followed by a top coat of suitable two pack acrylic based paint. Dried film thickness of the total treatment is approximately 150 microns.

SPECIFICATION FOR A WISE W110/4

		CAPACITY
		KG
		110,000
UNLADEN WEIGHT	KG	41,000
POWER UNIT	TYPE	IVECO
POWER OUTPUT AT 2000 RPM	HP	150
DISPLACEMENT	LT	6.0
CYLINDERS	NO.	6
COOLING SYSTEM		WATER
NO. OF WINCHES	NO.	FOUR
FAST SPEED WITH HALF LOAD (OPTIONAL)	M/MIN	5.2
SLOW SPEED WITH FULL LOAD	M/MIN	2.6
SPREADER BEAM LENGTH	M	2.10
SPREADER BEAM	NO.	4
BOAT SLINGS	NO.	8
RATING	KG	14,000
FACTOR OF SAFETY		7 : 1
LENGTH	M	10.5 – 13.5



SLING WIDTH	MM	300
TRAVEL SPEED	NO.	1
SLOW	M/MIN	34
GRADIENT FULLY LOADED	%	5
TYRES - EARTHMOVING		21 x 35
TYRE PRESSURE	BAR	7.25
WHEELS	TYPE	5 PIECE
DIMENSIONS (STANDARD)		
INSIDE WIDTH	M	6.00
INSIDE HEIGHT	M	6.7
INSIDE TURNING RADIUS	M	ZERO
OUTSIDE TURNING RADIUS	M	14.70
SLING CENTRES MAX 11.25	M	
SLING CENTRES MIN	M	4.4
DIESEL TANK CAPACITY	LT	100
HYDRAULIC TANK CAPACITY	LT	200

WISE HANDLING LIMITED RESERVE THE RIGHT TO CHANGE THE SPECIFICATION WITHOUT NOTICE.

Please Note: Inside clear width and height can be amended to suit customer requirements.

