

SPECIFICATIONS OF MK5 SER 1

The Rock Breaker is required to rake and break oversized materials and is designed for hammer application.

FEATURES

The pedestal boom and power pack are manufactured locally from components procured and freely available locally.

SAFETY FEATURES

Low oil cut out	included
Cylinder over center	included
Valve hose failure	included
High oil temp cut out	included
Cylinder relief valves	included

CONTROLS

Operator seating arrangement control for full operation of unit – included. The hydraulic valve system is operated by Rexroth hydraulic pilot assisted remote controls. Two joysticks servo controls operate all boom functions and activate the hydraulic hammer. We have allowed for ten meters of hydraulic hosing in placement for the remote power pack, should further hosing be required this will be for your account. The power supply is to be supplied by you, as the makes are unknown.

TECHNICAL INFORMATION

MAKE & MODEL - Hydraulic Hammer Series 1 - 5.7 meter Pedestal Boom

HYDRAULIC CYL DETAILS	QTY	BORE	ROD DIA	STROKE
Boom Lift	2	160	90	1400
Dipper	1	160	90	1400
Hammer Tilt	1	140	80	1020
Slew	2	110	60	1020

TECHNICAL INFORMATION

All hydraulic cylinders are fitted self aligning sealed spherical bearings, hardened pins and cushioning valves for smooth and positive movement of the boom, dipper and hammer.

The boom and dipper cylinders are interchangeable. The boom cylinders are fitted with accumulators, which absorb any shock loads before they reach the base. The kingpost is mounted on a large diameter slew ring and centered by the slew ring pin.

ELECTRO – HYDRAULIC POWER PACK

ABSORBED POWER	37 KW
HYDRAULIC PUMP	

MAKE	Gear Pump
MODEL	P50
FLOW	90Ltr/min @ 1450 RPM
MAX PRESSURE	200 Bar – Relief settings
NORMAL PRESSURE	180 Bar
FILTRATION SYSTEM	Suction 60 u Dual return 25 u
OIL COOLING SYSTEM	24 VDC air blast 32 kw capacity
POWERPACK SIZE & MASS	Base ± 2000mm (L)x 800mm(W)x
1500mm(H)	
Oil tank	600litre Capacity– approx 850kg excl.oil
ELECTRIC MOTOR – MAKE	
WEG-Voltage to be specified – 3 Phase 60 Hz	37KW- Totally enclosed – Fan cooled Class F insulation – Motor can withstand variations in voltage ± 10% - Cast iron casing.

LIST OF STANDARDISED OILS & GREASES

HYDRAULIC FLUID	Mobil	Engine
INTERIOR	DTE 16	T68
GREASES – VARIOUS BEARINGS	Special Grease	EP2

MECHANICAL:

Max boom height with hammer in minimum reach position	3 500 mm
Min boom reach with hammer in vertical position	3 000 mm
Min boom reach with hammer 30° backwards tilt	2 000 mm
Maximum boom reach with hammer in vertical position	5 500 mm
Max depth reach at 3470 mm from Front pivot	3 600 mm
Max boom reach with hammer 30° Forward tilt	7 000 mm
Slewing angle	150° (75° left & right)
Base area	1, 56 m ²

JDS INDUSTRIES KRUPP HAMMERS – HM780

Service Weight	1200kg
Carrier Weight Class	15 – 26 ton
Operating Pressure Required	180 bar

Operating Flow Rate Required l/min	100 – 140
Hydraulic Input Power	37 kW
Impact Rate	340 – 680 bmp
Length of Unit	1555mm
Useful Length of Tool	605mm
Working Tool Diameter	120mm
Calculated Energy	2912 joules
Efficiency	0.71eff
AEM at Tip of Tool	2709Nm
Auto Start / Auto Stop Up)	YES (Start-
Auto Control for Stroke Length	YES (Stroke)
Sound Power Level	117db