



Mace (CT2-2) Power Pack

Asset No PPD1

Manufacturer	BTM
Size: -	
Length	2.110m
Width	1.240m
Height	1.090m
Weight	1.2 Tonne
Power Pack Type	Diesel/Hydraulic
Diesel Engine	Lister, LPW4A001
Fuel Capacity	154 Ltr
Hydraulic Oil	ISO 32 or equivalent
Hydraulic Oil Capacity	227 Ltr
Maximum Oil Temperature	65C
Main Pump	RHL - P20 AA PON H
Main Pump Capacity	72.6 Ltr/min @ 2200 RPM
Main Relief Valve Setting	213 bar
Auxiliary Pump	Dowty - IP3028 CTOFB
Auxiliary Pump	18.6 Ltr/min
Aux Relief Valve Setting	207 bar



EQUIPMENT MANUAL

MACE 2 PAIR LCE + POWER PACK

1.2 Power Pack

The prime mover is a water cooled diesel engine fitted with a mechanical starter and set to run at 2200 rpm.

The engine drives a variable swash plate pump at the flywheel end and a fixed delivery auxiliary gear pump at the free end. The circuit is open loop and not boosted unless used in the braking mode. Delivery from the variable swash pump is switched via a manually operated directional control valve and either high or low flow is available.

Relief valves are fitted on the outputs of both pumps for protection purposes and the main pump can be unloaded during start-up.

An air blast cooler is fitted to control hydraulic oil temperature under braking conditions.

All components are enclosed within a substantial frame including the hydraulic reservoir and diesel fuel tank. Around the top of this frame are four lifting points which can also be utilised to secure the machine during operations. Tripping brackets can also be fitted across the box section base for securing.