



Hagglunds Power Pack Asset no. PP2-1 & PP28

Manufacturer	Hagglunds
Size: -	PEB 600-458-150
Length	3.00m
Width	2.40m
Height	2.60m
Weight	9.5 Tonnes
Power Pack Type	Electric/Hydraulic
Hydraulic Oil	ISO 32 or Equivalent
Hydraulic Oil Capacity	600 Ltr
Main Pump Capacity, Twin 75kW Units	520 Ltr @ 152 bar, Combined Flow
Auxiliary Pump, Twin 11kW Units	18.5 Ltr @ 190 bar each pump
Main Pumps,	Variable Swash Plate
Auxiliary Pumps	Fixed Vane
Main Relief Valve Setting	207 bar
Cooler Capacity	2.5 Tonnes/Hr Water @ 6 bar max
Electrical Supply	415V, 3 Ph, 50 Hz, 200kW



GENERAL SPECIFICATION

1.2 SPECIFICATION OF POWER PACK

150 kW Power Pack [Hagglund size PEB 600-485-180] driven by two 75 kW Electric Motors, each coupled to a variable delivery swash plate pump and capable of a combined flow of 660 L/min at 1450 rpm and 154 bar, with a peak pressure of 270 bar available for intermittent motor peak torques.

The power pack is totally enclosed inside a standard 10ft container. Each motor has the pump connected via bell housing and driven by a flexible shaft coupling. They are mounted vertically as a unit on anti-vibration pads within a steel rack.

Both pumps work on a closed loop system and are electronically controlled using a 12 V d.c., 350mA signal for directional and proportional flow control - maximum allowable signal 400mA. Servo and boost pumps are integral to the main pumps.

Sited to the front of the main pump rack are additional gear pumps, fitted to 11 kW motors, to provide an auxiliary supply, with a capacity of 18.5 L/min at 190 bar, for break release and cylinder operation for each set. These are fitted with a solenoid operated unloader valve.

In the centre of the main pumps, and within the steel rack, are sited the stainless steel tank, filtration system, filler point and small sea water/oil cooler. The stainless steel hydraulic tank is fitted with a low level switch, fluid level glass, air breather, heater, drain cock, and shut-off cocks in each suction line.

Fitted in and around the rack for each main pump are replenishing valves, purge valves, high pressure relief valve compensator overrides and electrical servo valves.

A save-all, with drain plug, is fitted beneath the steel rack.