

Hydraulic Powerpack Units

TRANSMIN

BoomerHD RANGE



MODEL POWERPACK	HPU370	HPU450	HPU550	HPU750	HPU900	HPU1100	HPU1320
MOTOR							
Power	37 kW	45 kW	55 kW	75 kW	90 kW	110 kW	132 kW
Rated Speed (Synchronous)	1500 RPM						
Manufacturer	TECO						
Voltage	415 50 Hz 3ph (other voltages available)						
Protection	IP56						
TANK							
Oil Volume	400 L	400 L	400 L	400 L	600 L	600 L	600 L
Material	Mild steel						
Breather	3 micron						
Oil Level	Visual						
Filling Filter	10 micron						
Oil Sample Valve	Yes						
Drain	Ball valve with plug						
Magnetic Plug	Yes						
Drip Tray	Nominal 100L						
PUMP							
Maximum Flow	109 L/m	150 L/m	150 L/m	190 L/m	300 L/m	300 L/m	400 L/m
Maximum Pressure	300 bar						
Type	Variable displacement piston with load sensing and power control.						
Pressure Gauge	0-400 bar on pressure line						
OIL COOLING							
Power	0.75 kW	0.75 kW	0.75 kW	0.75 kW	2.2 kW	2.2 kW	2.2 kW
Rated Speed (Synchronous)	1500 RPM						
Method	Inline with bypass valve				Offline with dedicated pump		
Oil Cooler	Air cooled via electric motor and fan						
Motor Manufacture	BEVI						
Voltage	415 50 Hz 3ph (other voltage available)						
Protection	IP55						

SHUTDOWN PROTECTION

Low Oil Level	Switch
High Temperature	Transducer

FILTRATION

Pressure Line	5 micron (visual blockage indicator)
Return Line	5 micron (visual blockage indicator)

FABRICATION AND SURFACE PROTECTION

Frame and roof	Structural sections, hot dip galvanised
Reservoir	Mild steel, painted, Transmin System C in Y14 golden yellow
Motors	Cast iron, suppliers surface finish

ELECTRICAL AND CONTROL

Control panel	<p>Painted mild steel cabinet housing PLC, HMI and necessary electrical components to allow stand alone operation</p> <p>Integrated Emergency Stop shutdown</p> <p>Project specific design and data available on request</p> <p>Stainless steel cabinet options available</p>
Safety	<p>AS 4204-1501 Safety Category 1, AS 4024-1503 Performance Level c and IEC/AS 62061 SIL 1 compliant</p> <p>AS 4024-1503 Performance Level or IEC/AS 62061 SIL certification included</p> <p>AS 4204-1501 Safety Category 3, AS 4024-1503 Performance Level and IEC/AS 62061 SIL 3 option available with certification</p>

INSTALLATION HOSES

2.5 m Hose kit for connection to site run piping

ISOLATION VALVES

Interconnection between site run piping and HPU hoses

RESERVOIR HEATER

3 kW Immersion heater, thermostatically controlled

RESERVOIR BREATHER

Desiccant gel prevents ingress of moisture

316 STAINLESS STEEL RESERVOIR

Added protection against particle ingress from corrosion

PRESSURE TRANSDUCER

Digital monitoring of system output pressure

HIGH ALTITUDE MOTOR

For ensured performance above 1000m ASL

ELECTRIC BLOCKED FILTER INDICATION

Pressure differential switches on pressure and return filters for remote monitoring

ADDITIONAL LOW LEVEL SWITCH

Additional site glass and level switch for more accurate monitoring

FIRE SUPPRESSION SYSTEMS

AFFF systems - information available upon enquiry

CONTROL SYSTEM OPTIONS

Additional radio controller

Controller stands - fabricated steel for field mounting

Controller cables 10, 20, 30, 40, 50m lengths

Power supply kits to eliminate dependence on battery



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