

QHH80 DATA SHEET

High Head



PUMP SPECIFICATIONS

Model	QHH80
Suction Flange	100mm - BS10 TableD
Discharge Flange	75mm - PN16
Max Flow	120m ³ /hr
Max Head	90m
Solids Handling	20mm
Impeller Type	Semi-Open (Ø328)
Max Speed	2400rpm

MATERIALS OF CONSTRUCTION

Pump Casing	Cast Iron
Impeller	Stainless Steel
Front Wear Plate	Cast Iron
Rear Wear Plate	Cast Iron
Shaft	Stainless Steel
Mechanical Seal	Silicon Carbide/Silicon Carbide/Viton

BAUER OPTIONS

100mm Suction/75mm Delivery Bauer =
15kg/275mm Long Max

CONTROL

	Suitable for Yanmar 4TNV88-C /4TNV88-DS - Perkins 403-17T	Suitable for Yanmar 4TNV88-C	Suitable for Isuzu 4LE1
Type	DSE E400	Yanmar M154B	Murphy MPC10
Autostart	Floats or Level Sensor	N/A	Floats or Level Sensor
SMS Telemetry	DSE890	N/A	N/A
Speed Control	Electronic - StageV/ Mechanical - StageIIIA	Electronic	Mechanical

ENGINE SPECIFICATION

Engine Type	Yanmar 4TNV88-C	Yanmar 4TNV88 - DS	Perkins 403J-17T	Isuzu 4LE1
Max Power	35.5kW@3000rpm	36.9kW@3000rpm	36kW@2800rpm	36.9kW@2600rpm
Emissions Compliance	EU StageV	EU StageIIIA	EU StageV	EU StageIIIA
After Treatment	Yes (DPF/DOC)	N/A	Yes (DPF/DOC)	N/A
Speed Range	1500 – 2400rpm	1500 – 2400rpm	1500 – 2400rpm	1500 – 2400rpm
Fuel Consumption @ BEP	7.2l/h@2400rpm	7.1l/h@2400rpm	7.3l/h@2400rpm	7.8l/h@2400rpm
Max Running Hours @ BEP	31hrs@2400rpm	31hrs@2400rpm	30hrs@2400rpm	28hrs@2400rpm
Rated Power @ BEP	26.4kW@2400rpm	26.4kW@2400rpm	26.4kW@2400rpm	26.4kW@2400rpm

*Electric motor option available - with optional Soft Start/VSD Panels

PACKAGE SPECIFICATION

Type	Gull Wing Door
Chassis Finish	Powder Coat – RAL7021
Canopy Door/Fuel Tanks	Rotationally Moulded Polyethylene
Fuel Tank Capacity	220ltrs
Sound Power Level	106LWA
Sound Pressure Level @7m	79dB (A)
Sound Pressure Level @10m	76dB (A)
Stackable	N/A

*Optional door colour to suit customer branding

PRIMING SYSTEM

System Type	Vacuum Pump
Air Handling Capacity	110m ³ /hr(65cfm)
Vacuum Max	9m
Priming Control	Capacitance Probe
Discharge NRV	Rubber Flapper

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SPP

PUMPS

PROTECTING LIFE. IMPROVING LIVES.

MOUNTING OPTIONS

Dimensions and weights below are excluding bauer/pipe connections.

Type	Dimensions LxWxH	Gross Weight (including fuel)	Complete with...	Alternative Hitch Options
POD	2103 x 1150 x 1350mm <i>*QPOD Shipping Pallet - 2200 x 1170mm - 65kg</i>	1200kg		
Fixed height road trailer - single axle	3506 x 1618 x 1850mm	1475kg	13pin lighting board, 2 x rear jack stands, step plate, 40mm towing eye	50mm Ball hitch, 75mm Nato hitch
Variable height road trailer - single axle	3970 x 1600 x 1778mm	1375kg	13pin lighting board, rear jack stand, 40mm towing eye	50mm Ball hitch
Skid base	2400 x 1180 x 1600mm	1355kg	Fork truck pockets, drag points	



OPTIONAL EXTRAS

- Auto start/stop - float or level sensor
- Pump telemetry/remote monitoring
- Fuel valve for auxiliary fuel tank/cube
- Spark arrestor and chalywn valve
- DWI Reg31 (4) compliant pump options for potable water applications
- Emergency trailer with pipe and fittings
- Flashing beacon
- Battery isolator
- 2 x LED work lights
- Hose/pipework
- Spares kits
- Service and maintenance package
- Product training

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MULTI-SPEED PERFORMANCE CURVE

