

Q100M DATA SHEET

General Dewatering



PUMP SPECIFICATIONS

Model	Q100M
Suction Flange	100mm - BS10 TableD
Discharge Flange	100mm - BS10 TableD
Max Flow	260m ³ /hr
Max Head	52m
Solids Handling	40mmx75mm long
Impeller Type	Semi-Open 2 Vane Spiral (Ø285)
Max Speed	2200rpm

MATERIALS OF CONSTRUCTION

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

*Stainless Steel option available

BAUER OPTIONS

100mm Suction/Delivery Bauer = 15kg/365mm Long Max

CONTROL

	Suitable for Yanmar 4TNV88-C /4TNV88-DS - Perkins 403-17T	Suitable for Yanmar 4TNV88-C	Suitable for Isuzu 4LE1 - Perkins 404D
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 - StagellIA	Electronic	Mechanical

ENGINE SPECIFICATION

	Yanmar 4TNV88-C	Yanmar 4TNV88 - DS	Perkins 403J-17T	Isuzu 4LE1
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 StagellIA	EU StageV	EU StagellIA
After Treatment	Yes (DPF/DOC)	N/A	Yes (DPF/DOC)	N/A
Speed Range	1500 – 2200rpm	1500 – 2200rpm	1500 – 2200rpm	1500 – 2200rpm
Fuel Consumption @ BEP	6.3l/h@2200rpm	6.1l/h@2200rpm	6.4l/h@2200rpm	6.7l/h@2200rpm
Max Running Hours @ BEP	35hrs@2200rpm	36hrs@2200rpm	34hrs@2200rpm	33hrs@2200rpm
Rated Power @ BEP	23.1kW@2200rpm	23.1kW@2200rpm	23.1kW@2200rpm	23.1kW@2200rpm

*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	78dB (A)
Sound Pressure Level @10m	75dB (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

Q100M DATA SHEET

General Dewatering



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>	1225kg		
Fixed height road trailer - single axle	3506 x 1618 x 1850mm	1500kg	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	1400kg	13pin lighting board, rear jack stand, 40mm towing eye	50mm Ball hitch
Skid base	2400 x 1180 x 1600mm	1380kg	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

Q100M DATA SHEET

General Dewatering



MULTI-SPEED PERFORMANCE CURVE

