

Q100M DATA SHEET

General Dewatering



SPP

PUMPS

PROTECTING LIFE. IMPROVING LIVES.

PUMP SPECIFICATIONS

Model	Q100M
Suction Flange	4" - BS10 TableD
Discharge Flange	4" - BS10 TableD
Max Flow	1145 USgpm
Max Head	171 ft
Solids Handling	1.6" x 2.9" long
Impeller Type	Semi-Open 2 Vane Spiral (Ø11.2")
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

Engine Type	Yanmar 4TNV88-C	Yanmar 4TNV88 - DS	Perkins 403J-17T	Isuzu 4LE1
Max Power	47.6 HP@3000rpm	49.5 HP@3000rpm	48.2 HP@2800rpm	49.5 HP@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	1.6 USgal/ hr@2200rpm	1.6 USgal/ hr@2200rpm	1.7 USgal/ hr@2200rpm	1.75 USgal/ hr@2200rpm
Max Running Hours @ BEP	35hrs@2200rpm	36hrs@2200rpm	34hrs@2200rpm	33hrs@2200rpm
Rated Power @ BEP	31 HP@2200rpm	31 HP@2200rpm	31 HP@2200rpm	31 HP@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	58 USgal
Sound Power Level	106LWA
Sound Pressure Level @23ft	78dB (A)
Sound Pressure Level @33ft	75dB (A)
Stackable	N/A

*Optional door colour to suit customer branding

PRIMING SYSTEM

System Type	Vacuum Pump
Air Handling Capacity	65cfm
Vacuum Max	29.5 ft
Priming Control	Capacitance Probe
Discharge NRV	Rubber Flapper

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MOUNTING OPTIONS

Dimensions and weights below are excluding bauer/pipe connections.

Type	Dimensions LxWxH	Gross Weight (including fuel)	Complete with...	Alternative Hitch Options
POD	82.8 x 45.3 x 53.2" *QPOD Shipping Pallet - 86.6 x 46" - 143 lbs	2700lbs		
Fixed height road trailer - single axle	138 x 63.7 x 72.8"	3307lbs	13pin lighting board, 2 x rear jack stands, step plate, 1.6" towing eye	2" Ball hitch, 3" Nato hitch
Variable height road trailer - single axle	156.3 x 63 x 70"	3086lbs	13pin lighting board, rear jack stand, 1.6" towing eye	2" Ball hitch
Skid base	94.5 x 46.4 x 63"	3042lbs	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

