



Portable Fire Pump VF53BS



Improved Handling

By optimizing the crankshaft and intake manifold, we have managed to reduce the weight of each component. by 37% and 48% respectively. In total, we have managed to reduce 12kg (13.5%) without sacrificing engine performance by redesigning and optimizing each component. The new Ball Valve Outlet has been redesigned to reduce the strength you need when opening the valve after priming by optimizing the design of the outlet.

Improved Layout

The bottom cowl-less design improves serviceability and reduces temperatures inside the cowl. In addition, each gauge has been relocated to improve visibility. Furthermore, by eliminating the drain and air valves on the discharge valve, the operation of water drainage has been simplified.

Adopting up-to-date technology

The engine speed governor function is now fully electronically controlled which provides flawless and smooth operation through the dial. Wireless self-diagnostic function with the use of Wi-Fi Diagnostic Tool* enables you to connect your smartphone to the ECU allowing you to check the engine condition and error codes or if any as for the daily check-up and maintenance. *Wi-Fi Diagnostic Tool is sold separately.

Performance at Suction Height 3m

1200 Lit/min at 0.6MPa (6 Bar)
950 Lit/min at 0.8MPa (8 Bar)

Priming Performance

2.0 sec ◀ at suction height 1 m
3.4 sec ◀ at suction height 3 m
6.2 sec ◀ at suction height 6 m

SPECIFICATION

Engine	Type	4 stroke	
	Cooling system	Water cooled	
	Number of cylinder	3 cylinders	
	Displacement	500 cc	
	Authorized output	22 kW	
	Fuel tank capacity	10 Lit	
	*Fuel consumption	9.5 Lit / Hr	
	Starting system	Electric and recoil	
	Lubrication	Wet sump	
	Fuel feed system	Electronic fuel injection	
	Battery	12 V - 16 Ah/5h	
	Floodlight bulb	12 V - 27 W (option)	
	Suction	Vacuum pump	4 Blade Rotary-vane vacuum pump (Oil less type)
Priming system		Auto priming and Manual priming	
Pump	Pump type	Single suction, single stage, high pressure turbine pump	
	Suction thread and dia.	**JIS thread 3" (75 mm)	
	Discharge thread and dia.	**JIS thread 2-1/2" (65 mm)	
	Discharge number	Twin	
Pump performance	Discharge performance (Suction height : 3m)	0.8 MPa (8 bar)	950 LPM
		0.6 MPa (6 bar)	1,200 LPM
	Maximum suction height	Approx. 9m	
	Priming performance (Suction height at)	6m	6.2 sec
		3m	3.4 sec
1m		2.0 sec	
Weight	Dry weight	89 kg	
	Operative weight	99 kg	
Dimension	Overall Length x Width x Height	690 x 780 x 740 mm	

Note : *At 950 LPM @ 0.8 Mpa (8 bar) **JIS: Japanese Industrial Standard Thread

PERFORMANCE CURVE

