



PORTABLE FIRE PUMPS



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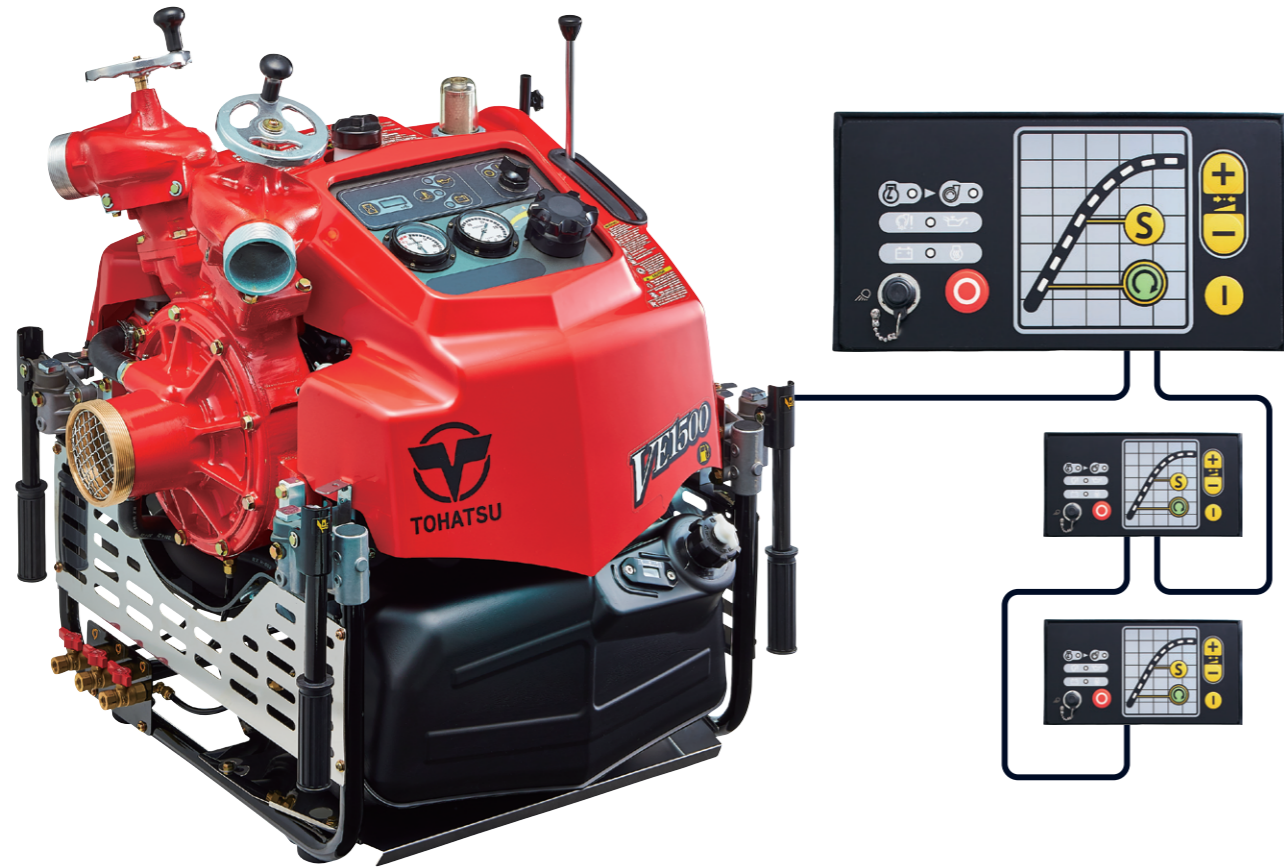
ISO9001:2015 ISO14001:2015

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VE1500A-Ti

Go easy, Go smooth
with remote control system



188kg
Competitor

> 130kg
VE1500A-Ti
Wet Weight

Suction height

9m

The best suction performance in the industry (9m/30h)

Specification

	VE1500A-Ti	
Engine	Type	2-Cycle
	Number of Cylinder	2 Cylinder
	Cooling System	Suction Water Cooled
	Bore x Stroke	81 x 78 mm (3.19 x 3.07 inch)
	Piston displacement	804 cc (49.0 cu in)
	Output	44 kW (60 PS)
	Fuel Type	Unleaded Gasoline (Min. 87 Octane)
	Fuel Tank Capacity	24 Lit (6.34 gal)
	Fuel Consumption	22 Lit / Hr (5.81 gal / Hr)
	Fuel System	Electronic Fuel Injection
Suction	Oil Tank Capacity	1.6 Lit (0.42 gal)
	Starting	Electric and manual
	Suction System	4 Blade Rotary-vane vacuum pump (Oilless-type)
Pump	Priming System	Auto Priming
	Pump Type	Single Suction, Single Stage centrifugal pump
	Suction Thread and Dia.	BSP 4" (100mm)
	Discharge Thread and Dia.	BSP 2-1/2" (65mm)
	Discharge Number	Twin
Weight	Discharge Valve	Flat valve
	Dry Weight	110 kg (243 lbs)
Dimension(mm)	Wet Weight	130 kg (287 lbs)
	Overall Length x Width x Height	748 x 732 x 827
Remote Control Panel	Number of Panel (Maximum)	Triplet panel installation
	Length of cable for panel	3m for main wire harness, 5m/15m for assist wire harness

NOTE BSP: British Standard Pipe Thread Wet Weight: Ready for Operation

Performance at Suction Height 3m

2050 Lit/min at 0.6MPa (6 Bar)

1800 Lit/min at 0.8MPa (8 Bar)

1500 Lit/min at 1.0MPa (10 Bar)

1300 Lit/min at 1.2MPa (12 Bar)

1000 Lit/min at 1.4MPa (14 Bar)

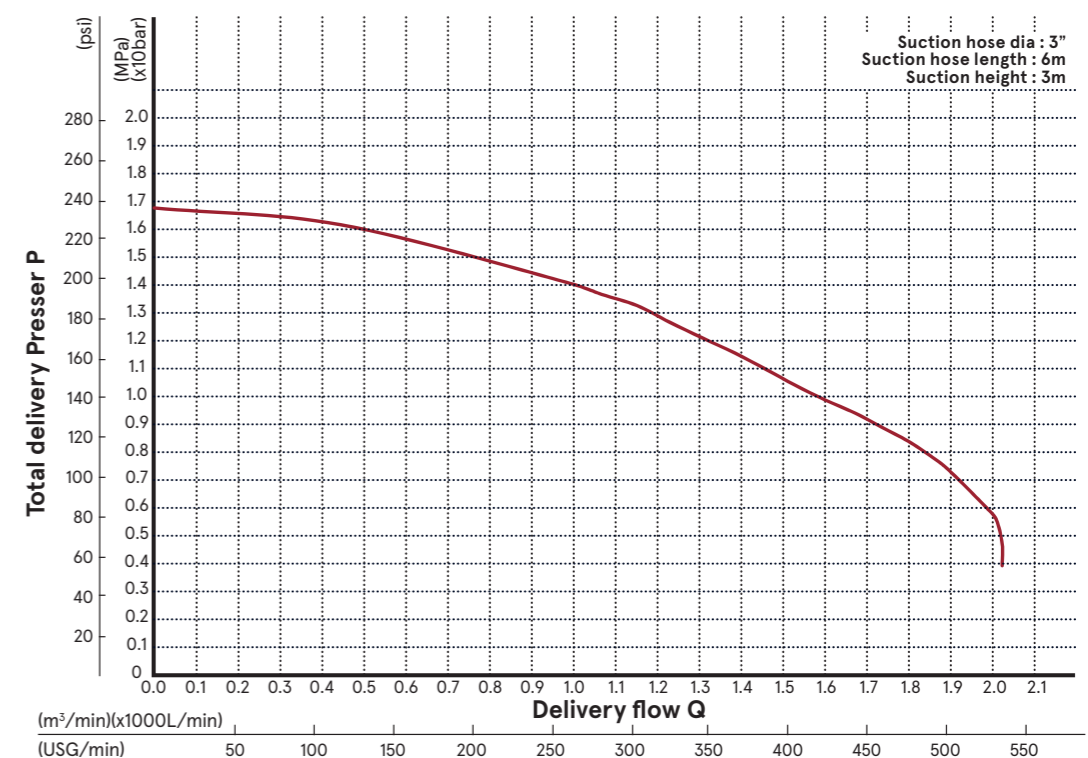
Priming Performance

3.4 sec at suction height 1 m

6.7 sec at suction height 3 m

14.2 sec at suction height 6 m

Performance Curve



- Complies with EN14466 for PFPN10-1500
- Exclusive design for fire engine & fire boat.
- Drive- by- Wire system for operating with remote control panels.
- Easy installation, just connected by wire harness from the pump to panels.
- Light weight and compact design to make a space in fire engine and fire boat.

VE1500/VE1000

Best balance of performance and weight

188kg Competitor > 127kg VE1500/VE1000 Wet Weight

Suction height 9m
The best suction performance in the industry (9m/30h)



VE1500



VE1000



Video Playback
Please check "The performance of VE1500-W"

Performance at Suction Height 3m

2050 Lit/min at 0.6MPa (6 Bar)

1800 Lit/min at 0.8MPa (8 Bar)

1500 Lit/min at 1.0MPa (10 Bar)

Priming Performance

3.4 sec at suction height 1 m

6.7 sec at suction height 3 m

14.2 sec at suction height 6 m

- Complies with EN14466 for PFPN10-1500 & PFPN10-1000
- Outstanding quickness of priming speed with rotary vane vacuum pump.
- The lightest model in its class
- Smooth engine start with Electronic Fuel Injection system

Performance at Suction Height 3m

1900 Lit/min at 0.6MPa (6 Bar)

1650 Lit/min at 0.8MPa (8 Bar)

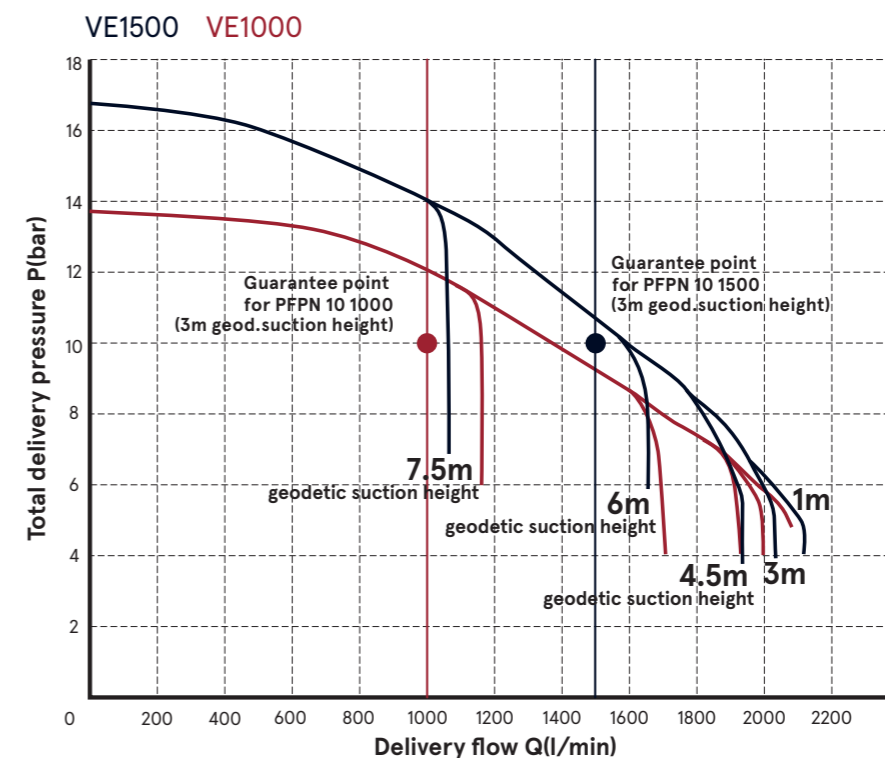
1300 Lit/min at 1.0MPa (10 Bar)

Specification

	VE1500	VE1000
Engine	Type	2-Cycle
	Number of Cylinder	2 Cylinder
	Cooling System	Suction Water Cooled
	Bore x Stroke	81 x 78 mm (3.19 x 3.07 inch)
	Piston displacement	804 cc (49.0 cu in)
	Output	44 kW (60 PS)
	Fuel Type	Unleaded Gasoline (Min. 87 Octane)
	Fuel Tank Capacity	24 Lit (6.34 gal)
	Fuel Consumption	22 Lit / Hr (5.81 gal / Hr) 16 Lit / Hr (4.22 gal / Hr)
	Fuel System	Electronic Fuel Injection
Suction	Oil Tank Capacity	1.6 Lit (0.42 gal)
	Starting	Electric and Manual
	Suction System	4 Blade Rotary-vane vacuum pump (Oilless-type)
Pump	Priming System	Manual
	Pump Type	Single Suction, Single Stage centrifugal pump
		BSP 4" (100mm)
		BSP 2-1/2" (65mm)
	Discharge Number	Twin
	Discharge Valve	Flat valve
Weight	Dry Weight	107 kg (236 lbs)
	Wet Weight	127 kg (280 lbs)
Dimension(mm)	Overall Length x Width x Height	748 x 732 x 827

NOTE BSP: British Standard Pipe Thread Wet Weight: Ready for Operation

Performance Curve



V20FS

Small and compact, with unmatched pump performance



Light weight **47 kg**
The lightest model in the industry

Suction height **9 m**
The best suction performance in the industry (9m/30h)

Specification

		V20FS
Engine	Type	2-Cycle
	Number of Cylinder	1 Cylinder
	Cooling System	Air Cooled
	Bore x Stroke	66 x 58 mm (2.6 x 2.28 inch)
	Piston displacement	198 cc (12.0 cu in)
	Output	8.6 kW (11.7 PS)
	Fuel Type	Unleaded Gasoline (Min. 87 Octane)
	Fuel Tank Capacity	5.95 Lit (1.57 gal)
	Fuel Consumption	5.9 Lit / Hr (1.56 gal / Hr)
	Fuel System	Single Carburetor with Auto Choke
Suction	Oil Tank Capacity	0.5 Lit (0.13 gal)
	Starting	Electric and manual
	Suction System	4 Blade Rotary-vane vacuum pump (Oilless-type)
Pump	Priming System	Manual
	Pump Type	Single Suction, Single Stage centrifugal pump
	Suction Thread and Dia.	BSP 2-1/2" (65mm) Female
	Discharge Thread and Dia.	BSP 2-1/2" (65mm) Male
	Discharge Number	Single
Weight	Discharge Valve	Ball valve
	Dry Weight	47 kg (103.6 lbs)
Dimension(mm)	Wet Weight	52 kg (114.7 lbs)
	Overall Length x Width x Height	530 x 507 x 537

NOTE BSP: British Standard Pipe Thread Wet Weight: Ready for Operation

Performance at Suction Height 3m

525 Lit/min at **0.6MPa (6 Bar)**

250 Lit/min at **0.8MPa (8 Bar)**

Priming Performance

3.7 sec at suction height **1 m**

7.0 sec at suction height **3 m**

15.4 sec at suction height **6 m**

- Complies with EN14466 for PFPN6-500
- Ultimate light and compact portable fire fighting pump.
- Robust and easy maintenance

Performance Curve

