

More attractive features and functions are added to maximize efficiency of fire services.

1 Cooling water recirculation system

Engine cooling water is returned to the pump without drainage outside of the pump, helping to keep surrounding area of the pump dry.

2 Engine overheat protection sensor

Engine overheat protection device is provided on this model to safeguard against cooling water loss, and to protect engine when water is not discharged. This device shuts off engine automatically when engine temperature reaches 80°C.

3 Double swivel outlets rotating within a 90 degree

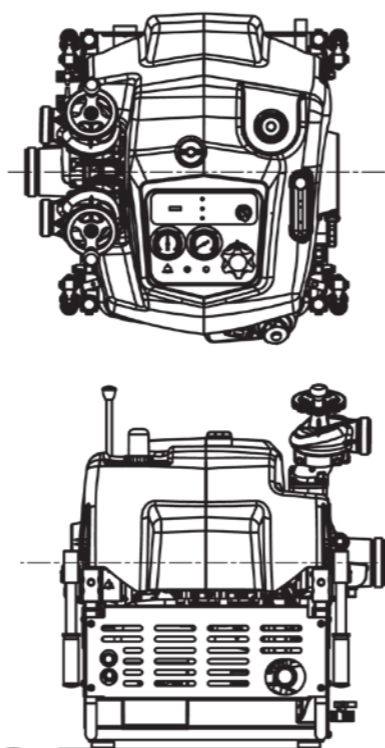
Discharging direction can be flexible.

4 Electric starter with back up recoil starter as standard

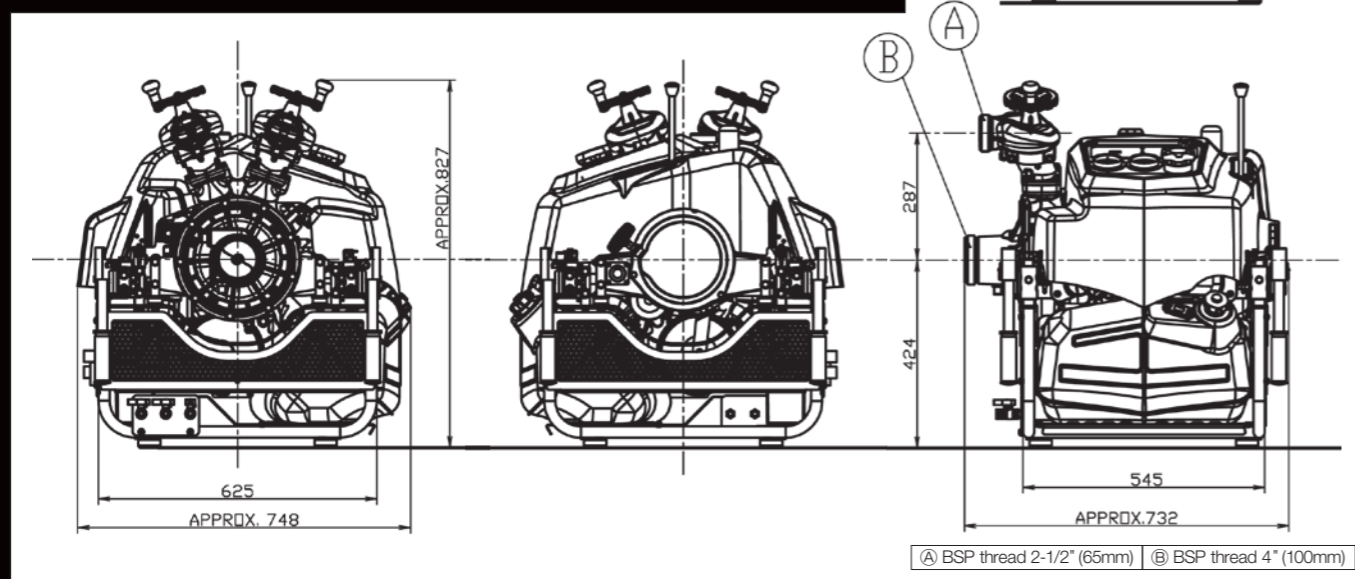
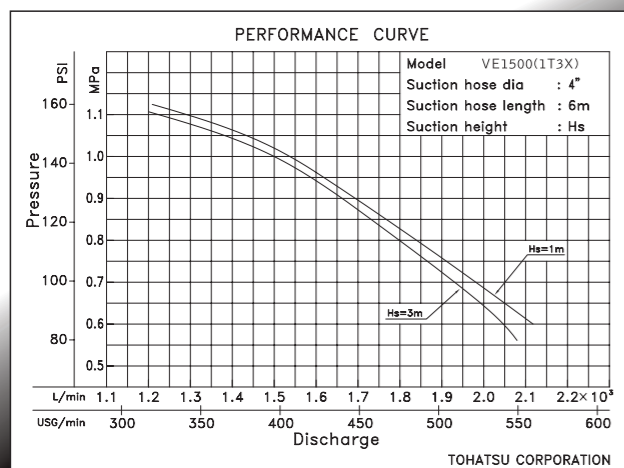
An electric starter and back-up recoil starter ensures quick starting engine under any conditions.

Outline drawing

VE1500



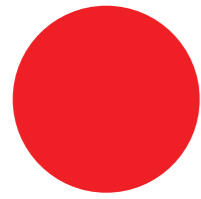
Performance curve



PORTABLE FIRE PUMP
VE1500



TOHATSU manufactures a full line of portable fire pumps with a variety of performances to meet the demands of the global fire services. With the years of engineering and experiences, we provide you most reliable portable fire pumps really required. Both engine and pump have been originally designed by TOHATSU, ensuring quick and efficient performance for fire fighting in case of emergency.



From Land of
the Rising Sun.



High pump performance

Both engine and pump are designed and developed specifically for fire-pump application by Tohatsu, ensuring higher pump performance for its class.

**2,050 liter/min. at 6bar,
1,800 liter/min. at 8bar,
1,500 liter/min. at 10bar**



Light weight and compact

Engine and pump castings are made of anti-corrosive aluminum-alloy to reduce weight and prolong working life. Compact unit in its class fits existing locker space, also can be carried by 2 firemen.

748mm×732mm×827mm



Electrical Fuel Injection

EFI helps engine start easier and proper fuel supply in all seasonal temp. conditions.

*Complies with EN14466
for PFPN 10-1500*

Specifications

Model	VE1500
Engine	
Type	2-stroke, 2-cylinder, water cooled gasoline engine
Model	2WT81A
Bore & Stroke, No. of cylinder	81mm x 78mm
Piston displacement	804ml
Authorized output	60PS (44 kW)
Fuel tank capacity	24L
Fuel consumption	22L/h
Ignition	Flywheel magneto (C.D.I. system)
Starting system	Electric starter and recoil
Lubrication	Auto mixing
Fuel feed system	Electronic fuel injection
Light bulb	12V-35W
Battery	12V-16Ah/5h
Pump	
Type	Single suction, single stage, high pressure turbine pump
Discharge port coupling	JIS fire thread (B-9912), 2-1/2" male *BSP thread 2-1/2"(65mm) male is alternatively available.
Suction port coupling	JIS fire thread (B-9912), 3-1/2" male *BSP thread 4"(100mm) male is alternatively available.
Priming	Rotary-vane vacuum pump (Oilless type)
Pump performance (Suction height: 3m)	
at 6bar (0.6 MPa)	2,050 liter/min
at 8bar (0.8 MPa)	1,800 liter/min
at 10bar (1.0 MPa)	1,500 liter/min
Dimensions and weight	
Overall Length x Width x Height	748mm x 732mm x 827mm
Mass	107kg
Max. suction height	Approx. 9m



PORTABLE FIRE PUMP
VE1500

Quick priming
3meters 5.5seconds
Rotary Vane Vacuum Pump
Authorized Output
60PS (44kW)
Lubrication
Auto mixing

With the years of engineering and experiences,
we provide you most reliable portable fire pumps.

1,500 liter