

FOUR STROKE



VF21AS/VF21A

over 500 liter / min. / 0.6MPa
over 250 liter / min. / 0.8MPa

Portable Fire Pumps

Model VF21AS/VF21A

Engine	Tohatsu 4 strokes, water-cooled gasoline engine
Authorized output	10PS (7.3kW)
Dry weight	52kg (VF21AS) 47kg (VF21A)

Light weight and compact

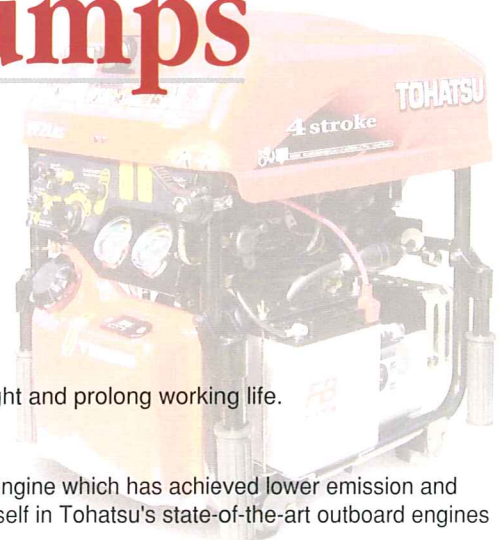
- ▶ Engine and pump castings are made of anti-corrosive aluminum-alloy to reduce weight and prolong working life.

Maximum reliability

- ▶ VF21AS and VF21A are powered by TOHATSU's original developed 4stroke 2cylinder engine which has achieved lower emission and maximum fuel economy for environment protection. The technology which has proved itself in Tohatsu's state-of-the-art outboard engines ensures maximum reliability for any fire fighting scenes in all seasonal condition.

Quick priming

- ▶ Quick priming is provided by simple operating Rotary vane vacuum pump.



TOHATSU Model VF21AS/VF21A Features

1 Low emission

CO emission lowered by 37%*
HC and NOx lowered by 93%*

2 Low noise and vibration

Lower noise (Reduced by 10dB*) and less vibration doesn't interfere with speech communication during operation

3 Stainless steel fuel tank

Integrated stainless steel fuel tank can keep fuel prevent contamination from corrosion.

4 Centralized control

Pressure and vacuum gauges, throttle dial and switches are located at the control panel, and number labels indicate proper order of operation.

5 Starting system

In addition to the electric starter, a recoil starter is installed to guarantee starting under any condition.

6 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. Reset switch is provided.

7 130 degree rotating discharge port

The discharge port rotates freely through 130 degree allowing the direction of the delivery hose to be easily changed without moving the pump unit.

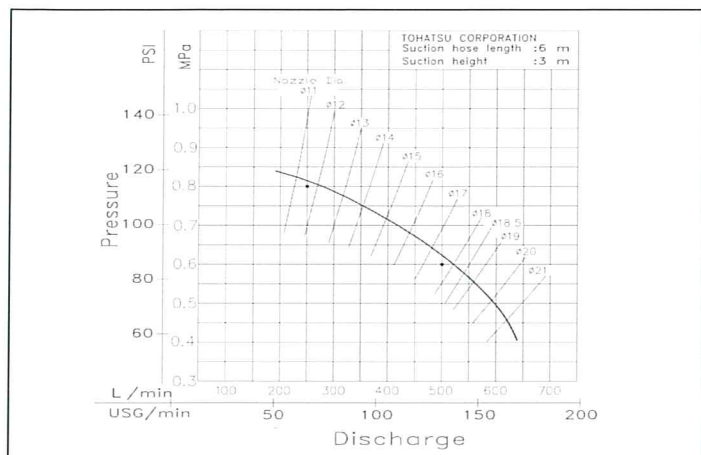
*Note: Numerical data are comparison with our two stroke models operating at 0.4MPa.

Accessories 1. Battery charger (VF21AS)
2. Tool set

Optional items 1. Floodlight projector
2. Plastic toolbox

Adapters Some different type of adapters for suction port and discharge ports are available.

Performance curve



Specifications

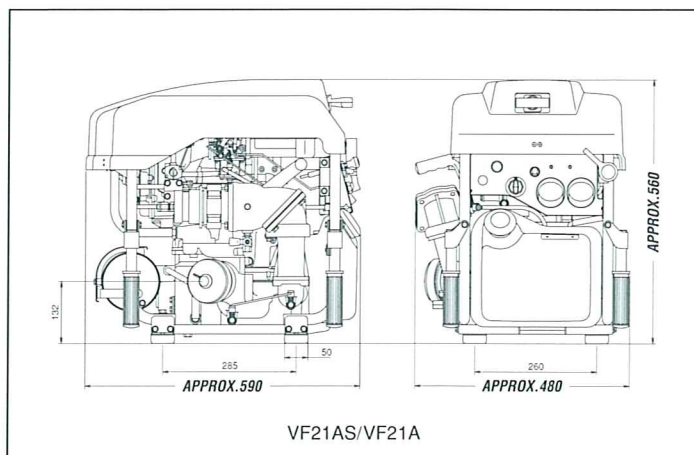
Model	VF21AS
Engine	
Type	Tohatsu 4-stroke, 2-cylinder water cooled gasoline engine
Model	2WF55A
Bore & Stroke	55mm x 44mm
Piston displacement	209cc
Authorized output	10PS (7.3 kW)
Fuel tank capacity	4.3 liters
Fuel consumption	3.5 liters/h
Engine oil	SAE 10W30/40
Engine oil tank capacity	1liter (when replacing oil filter)
Choke system	Manual choke with fast idle
Ignition	Flywheel magneto (C.D.I. system)
Starting system	Starter motor and recoil system (VF21AS) Recoil system (VF21A)
Lubrication	Wet Sump
Light bulb	12V/55W
Battery	12V-12Ah/10h (VF21AS)

Pump	
Type	Single suction, single stage, high pressure turbine pump
Suction & Delivery Port Couplings	JIS fire thread (B-9912), 2-1/2" male *
Priming	Rotary-vane vacuum pump (Oilless type)
Pump performance (Suction height: 3m)	
at 0.6 MPa	over 500 liter / min.
at 0.8 MPa	over 250 liter / min.

Dimensions and weight

Overall Length x Width x Height	480mm x 590mm x 560mm
Mass	52kg (VF21AS) 47kg (VF21A)
Max. suction height	Approx. 9m
※ Factory option BSP or NST (2-1/2")	

Outline drawing



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Tohatsu reserves the right to change or improve the design of this model without prior notice.



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