

## Model VC82ASE

---



### Engine

746cc Tohatsu 2 strokes, water-cooled gasoline engine

### Authorized output

55PS (40.5kW)

### Pump performance

2050 liter / min. at 0.6MPa

1800 liter / min. at 0.8MPa

1500 liter / min. at 1.0MPa

### Dry weight

94kg



Outline drawing



Performance Curve

## Features of VC82ASE

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

### 1. 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.

### 2. 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.

### 3. Reliable engine with optimal engine start-up

The engine of VC82ASE is originally designed by Tohatsu for this model. Equipped with oil pump, gasoline and engine oil are mixed automatically at a precise ratio to engine speed without mixing fuel and oil by operator.

### 4. Priming

Quick priming is provided by operating Rotary Vane Vacuum Pump.

Prime 1meter in 4seconds (6m suction hose)

Prime 3meter in 5.5seconds (6m suction hose)

Prime 6meter in 8.0seconds (6m suction hose).

### **5. Centralized control**

All gauges, throttle dial, control switches, and other warning lamps are grouped on the control panel for easy operation.

### **6. Cooling water recirculation system**

Engine cooling water is returned to the pump eliminating discharge outside of the pump, and making surrounding area soaked.

### **7. Unique auto choke carburetor**

This device helps engine start easier in all seasonal temperature conditions.

### **8. Engine overheat protection sensor**

Overheat protection is provided on this model to safeguard the engine from cooling water loss, and to protect engine when water is not discharging. This device stops the engine automatically when engine temperature reaches 80°C. Reset switch is provided to release the sensor after it stops the engine.

### **9. Large capacity fuel tank**

Integrated fuel tank with large capacity of 18liters ensures the fuel supply will last for 1 hour at maximum throttle opening and load.

### **10. 90 degree rotating delivery outlets**

### **11. Electric starter with back up recoil starter**

An electric starter and back-up recoil starter are installed to guarantee starting engine under any conditions.

### **12. Maintenance free battery**

Equipped with sealed type and maintenance free battery, once the battery is filled with a specified electrolyte, maintenance of electrolyte is not required.

### **Accessories**

- 1. Battery charger**
- 2. Floodlight projector**
- 3. Plastic toolbox**

### **Adapters:**

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