Barmesa® Pumps

SELF-PRIMING CENTRIFUGAL TRASH PUMP

Series: SH6-R/N-4TNV98C
Suction: 6"
Discharge: 6"
Spherical solids handling: 3"

SIZE
6" x 6" NPT, 125 lbs., female flange.

LIQUID TEMPERATURE
160° F (71° C)

CASING
Cast iron ASTM A-48 class 30. Maximum operating pressure 79 psi (545 KPa).

IMPELLER
Design: 2 vane, open.
Material: ductile iron no. 65-45-12.

SHAFT
Alloy Steel no. 4140.

SHAFT SLEEVE
316 series stainless steel.

WEAR PLATE
Carbon steel no. 1015. Replaceable.

COVER PLATE
Cast iron ASTM A-48 class 30, weight 37 lbs. Removable/adjustable.

FLAP VALVE
Neoprene with steel reinforcing.

BEARING HOUSING
Cast iron ASTM A-48 class 30.

SEAL PLATE
Cast iron ASTM A-48 class 30.

BEARING - PUMP END
Open single ball, radial load.

BEARING - DRIVE END
Open double ball, thrust load.

SEAL CAVITY AND BEARING LUBRICATION
SAE no. 30 non detergent oil, pump includes oil level sight gauges.

GASKETS
Buna-N, compressed synthetic fibers, PTFE, vegetable fiber, cork and rubber.

O-RINGS
Buna-N.

HARDWARE
Standard plated steel.

PAINT
Air dry enamel, water based.

PRESSURE RELIEF VALVE
Brass.

SEAL
Design: type 21, mechanical, oil lubricated, double floating, self aligning.
Material: silicon carbide rotating and stationary faces, fluorocarbon elastomers (Viton® or equivalent). 316 stainless steel cage and spring.

ENGINE SPECIFICATIONS

Model: Yanmar 4TNV98C-NYEM
Net intermittent power: 67.6 HP
Rated speed: 2500 RPM
EPA standard: final tier 4
Type: 4 cylinder, 4 cycle, liquid cooled diesel engine
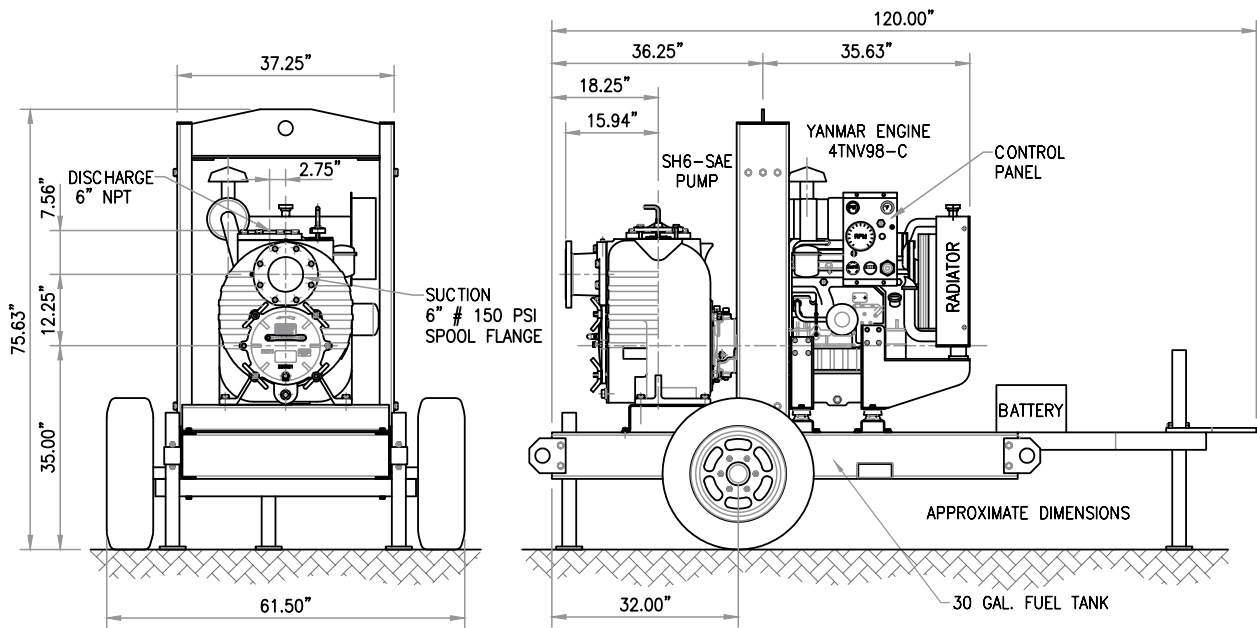**Displacement:** 202.5 in³
Governor: electronic control
Lubrication: 11.2 liters deep oil pan
Combustion type: common rail direct injection
Aspiration: naturally aspirated
Electrical system: 12V, 55A alternator

SPECIFICATIONS

37.25"

2.75"

DISCHARGE 6" NPT

7.56"

12.25"

75.63"

35.00"

SUCTION 6" # 150 PSI SPOOL FLANGE

61.50"

120.00"

36.25"

35.63"

18.25"

15.94"

SH6-SAE PUMP

YANMAR ENGINE 4TNV98-C

CONTROL PANEL

RADIATOR

BATTERY

APPROXIMATE DIMENSIONS

32.00"

30 GAL. FUEL TANK

IMPORTANT! - Do not use in explosive atmosphere or for pumping volatile flammable liquids.

MODEL: SH6-SAE-4TNV98C
SIZE: 6" x 6"
Ø IMPELLER: 9½"
RPM: 2400

GRAPHIC SCALE

4 FEET

40 GPM

Ø9½"

METERS | FEET

PSI

GALLONS PER MINUTE

LITERS PER MINUTE