

SELF-PRIMING SOLIDS HANDLING ENGINE DRIVEN PUMP

Series: SH4-R/N-4TNV88C

Suction: 4"

Discharge: 4"

Spherical solids handling: 3"



* Representative image

SIZE

4" x 4", 125 lb

LIQUID TEMPERATURE

160°F (71°C)

CASING

Cast iron ASTM A-48 class 30. Maximum operating pressure 86 psi (593 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 lb. 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 4TNV88C-DYEM

Net intermittent power: 45.6 HP

Rated speed: 3000 RPM

EPA standard: final tier 4

Type: 4 cylinder, 4 cycle, liquid cooled diesel engine

Displacement: 133.6 in³

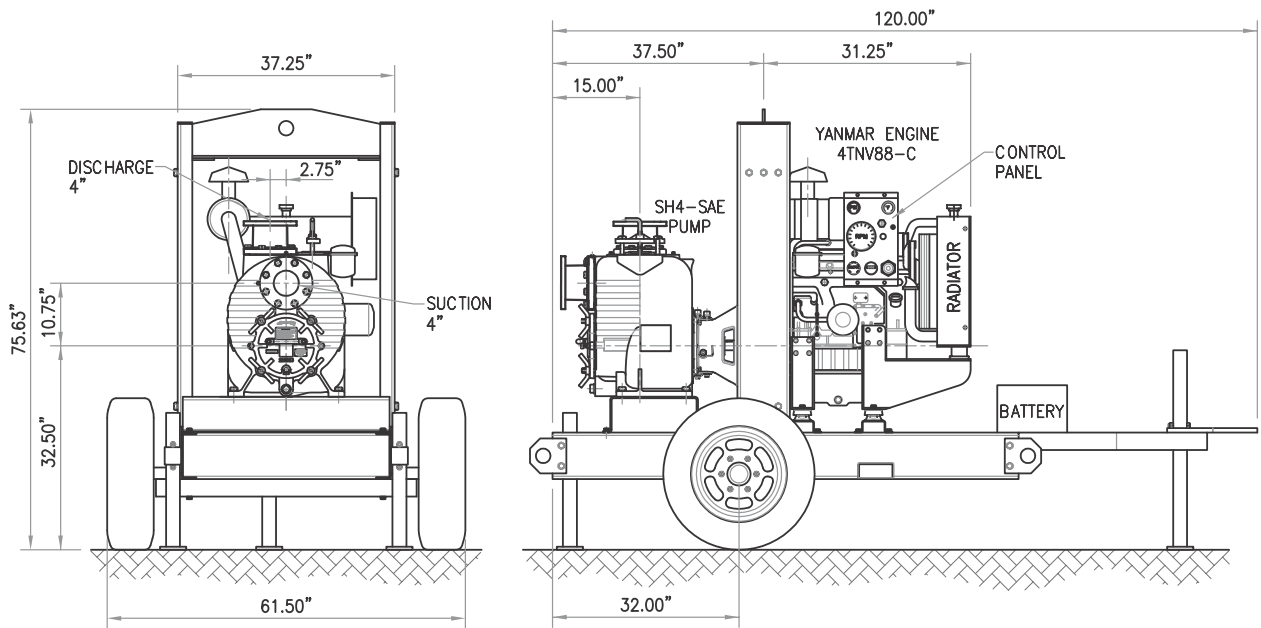
Governor: electronic control

Lubrication: 7.4 liters deep oil pan

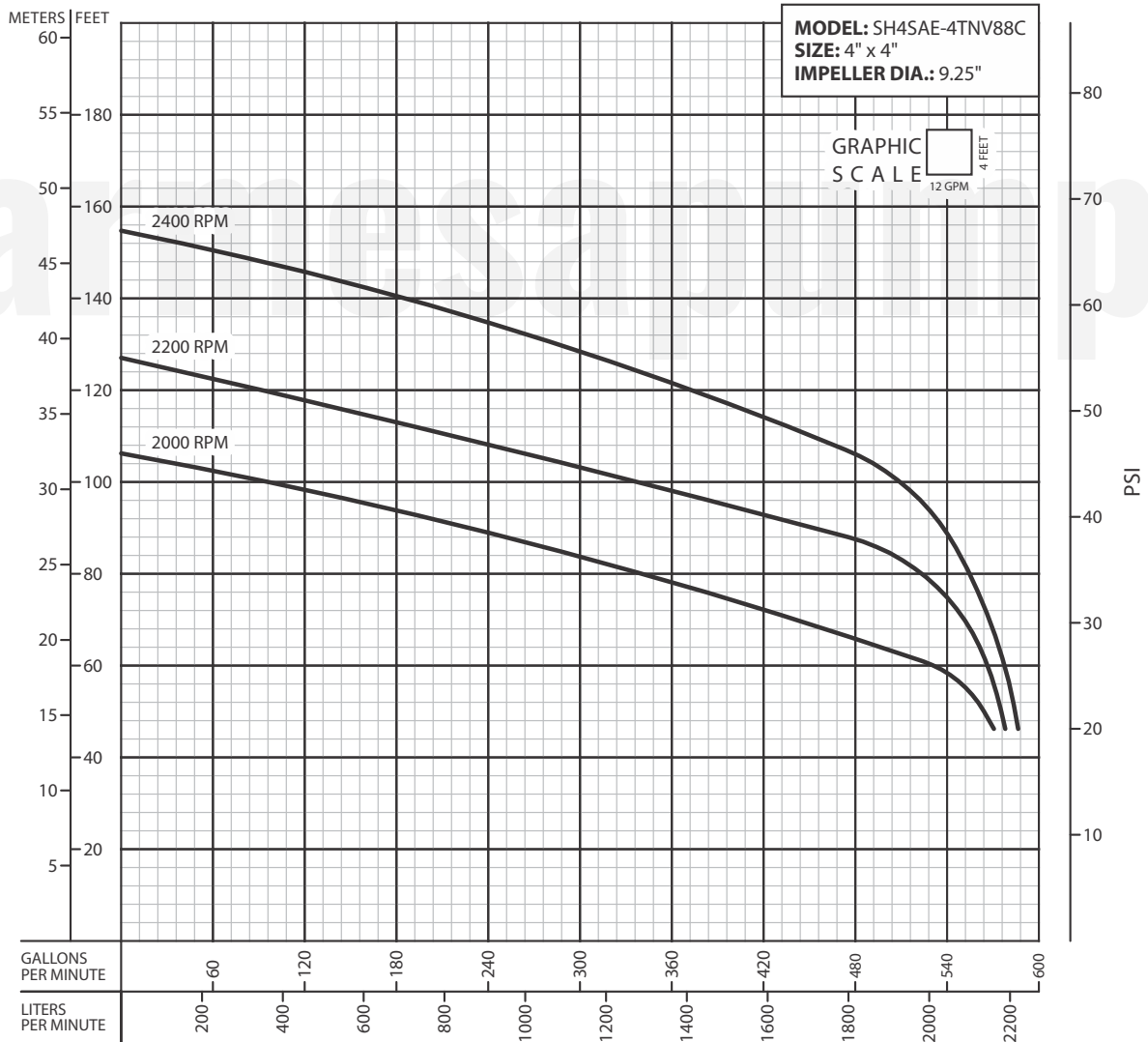
Combustion type: common rail direct injection

Aspiration: naturally aspirated

Electrical system: 12V, 55A alternator



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



IMPORTANT!

1. Never use this pump to handle explosive liquids.
2. This pump is not approved to be used in swimming pools, recreational installations or any application where human contact may be common.
3. Pump may be operated "dry" for extended periods without damage to motor and/or seals.
4. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.