

Specification Data

Sec. 20

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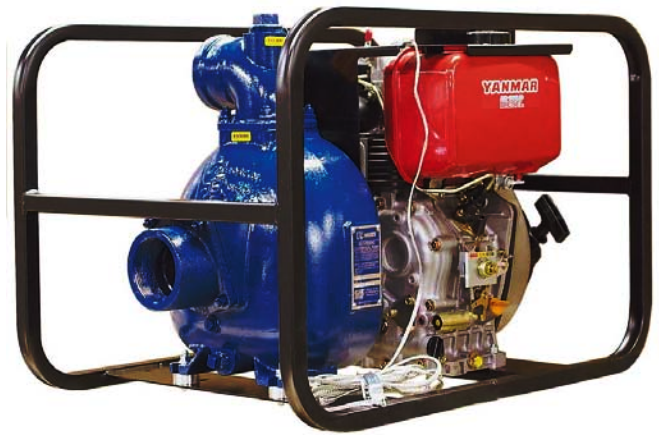
Diesel Engine Driven Self Priming Centrifugal Pump

Model 83A1-L100EE-X

Size 3" x 3"



Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance				
P.S.I.	Feet					
59.0	136	45	45	45	45	45
52.0	120	160	175	175	175	175
43.4	100	175	245	287	300	300
34.7	80	177	247	294	334	365
26.0	60	180	250	297	340	382
17.3	40	180	250	300	347	389
Suction Lift		25'	20'	15'	10'	5'



PUMP SPECIFICATIONS

- Size:** 3" x 3" (76 mm x 76 mm) NPT - Female.
- Casing:** Aluminum Alloy No. 356-T6 with Gray Iron No. 30 Cutwater Insert. Maximum Operating Pressure 92 psi (634 kPa).*
- Open Type, Four Vane Impeller:** Aluminum No. 356-T6. Handles 3/4" (19 mm) Diameter Spherical Solids.
- Replaceable Wear Plate:** Carbon Steel M1026.
- Intermediate Bracket:** Gray Iron No. 30.
- Seal:** Type 1, Mechanical, Self-Lubricated. Carbon Rotating Face. Ni-Resist Stationary Face. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel No. 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*
- Shaft Sleeve:** Alloy Steel No. 4130.
- Flap Valve:** Gray Iron No. 30 and Buna-N w/Nylon Reinforcement.
- Flange:** Gray Iron No. 30.
- Gaskets:** Cork.
- Hardware:** Standard Plated Steel.

Standard Equipment: 90° Discharge Elbow. Rollover Base with Rubber Feet.

Optional Equipment: Two Wheel Truck Assembly with 10.00" x 2.75" (254 mm x 70 mm) Semi-Pneumatic Tires.

**Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*

WARNING!

This unit is designed to handle volatile, flammable liquids. To reduce the risk of fire or explosion, do not operate near open flames, sparks, cigarettes or any other ignition source. Do not operate the unit in an explosive atmosphere or unventilated area. Connect the attached ground cable to the nearest grounding point on the tank being filled. Shut off the engine and allow it to completely cool before refueling.

ENGINE SPECIFICATIONS

- Model:** Yanmar L100EE
- Type:** Single Cylinder, Four Cycle, Air Cooled, Diesel Engine.
- Displacement:** 25.5 Cu. In. (418 cc).
- Governor:** Variable Speed, Engine Mounted.
- Lubrication:** Forced Circulation.
- Air Cleaner:** Dry Type.
- Oil Reservoir:** 1.74 U.S. Qts. (1,65 liter).
- Fuel Tank:** 1.45 U.S. Gals. (5,5 liter).
- Full Load Operating Time:** 2.0 Hrs.
- Starter:** Rope Rewind.

Standard Features: Muffler Heat Shield and Fuel Splash Guard. 90° Exhaust Deflector. Standard Exhaust Silencer Muffler w/Guard. Tool Kit. Grounding Wire.

YANMAR PUBLISHED PERFORMANCE:
Maximum Continuous BHP 9 (6,6 kW) @ 3600 RPM
Maximum Dynamic BHP 10 (7,4 kW) @ 3600 RPM



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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Specifications Subject to Change Without Notice

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