Inline CP

Constant Water Pressure System



Technical Information:

Flow range: Up to 35 gpm (135 lpm)

Product power rating: 1.2 hp (0.9 kW)

Minimum incoming pressure: 3 – 5 psi (0.2 – 0.3 bar)

Minimum incoming flow and cisterns: flooded suction without water vortexing

Maximum incremental pressure boost: 60 psi (4.1 bar)

Maximum ambient operating temp: Continuous Operation: 104 °F (40 °C)

Maximum fluid operating temp: 104 °F (40 °C)

Incoming voltage: 190 – 260 vac*

Frequency: 50/60 Hz

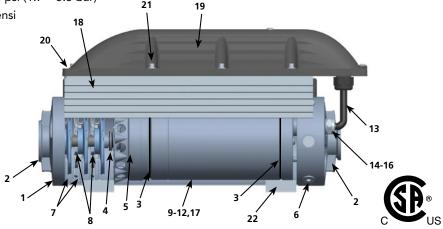
Operating frequency range: 20 – 63 Hz Current (maximum): 12 Amps (rms)

Pressure setting from factory: 50 psi (3.4 bar)

Pressure adjustment range: 25 – 80 psi (1.7 – 5.5 bar)

Relative humidity: 0 – 100%, Condensi Shipping weight: 50 lbs (22.7 kg)



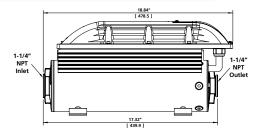


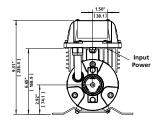
Item	Description	8 22 05
1	Outer Shell	300 Series SS — 1.5 mm thick
2	Suction/Discharge	304 SS Casting. 1.25" NPT thread. Integrated ears to be able to hold other types of flanges if required
3	0-Rings	NBR — Nitrile Buna Rubber — Temp. rated to 104 °F (40 °C)
4	Pump Mechanical Seal	Carbide/Ceramic/Buna Rubber Seals
5	Internal Motor Seal	Silicon/Carbide/Buna Rubber Seals
6	Outer Shell Screws and Inserts	316 SS
7	Pump Hydraulics	i.e. Impellers, Diffusers, Bowls — 316 SS
8	Floating Seal Rings	Teflon
9	Motor	Dry Design
10	Motor Bearings	Ball Bearing Type — 6202 double sealed on discharge end, 6303 — suction side — double sealed
		All pre-greased and rated to 104 °F (40 °C)
11	Motor Shaft	304 SS
12	Motor Insulation	Class - F - IP68 rated
13	Motor Lead	14 Ga SJ00W
14	Motor Cable Gland	CuZu — Nickel plated brass
15	Motor Lead Washers	304 SS
16	Motor Lead Rubber Seal	Nitrile
17	Oil Chamber (Motor)	Filled with medical grade white oil — Marcol 82
18	Heat Sink	Die cast aluminum
19	Drive Enclosure Material	Polycarbonate (Flame Retardant, UL 94 V-0)
20	Drive Gaskets	Close Cell Foam Nitrile Rubber
21	Drive Fasteners	304 SS
22	Mounting Base	300 Series SS
N/A	Shaft Coupling	304 SS (Not Shown)

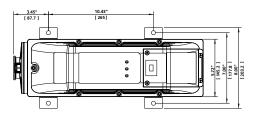


^{*}Drive will operate at reduced power level at 190 vac.

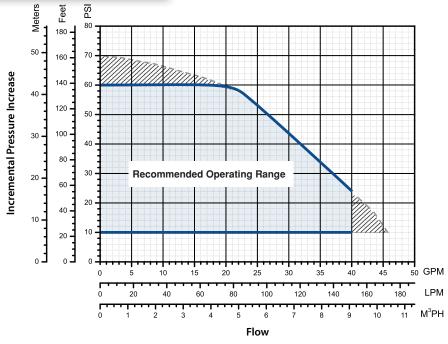
Dimensions







Performance Curve



NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

Ordering Information

Model Description	Order No.	Input Voltage	Input Phase
25LGIL1100N4 ¹	90411101	230	Single
Drive Assembly	305707907	230	Single
Pump Motor Assembly	305707902	230	Single
Mounting Feet	305707903	N/A	N/A
Pressure Switch	305707906	N/A	N/A
Pressure Tank (2-gallon)	14942302	N/A	N/A
Fastener Kit	305707904	N/A	N/A
Pressure Switch Cable	305707905	N/A	N/A
Overpressure Switch ²	305707909	N/A	N/A
Overpressure Switch Cable ²	305707908	N/A	N/A

¹ Includes pump, motor, drive, pressure switch, and all cables.

 $^{^{\}rm 2}$ Overpressure switch is sold as an accessory and is not required for normal operation.



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