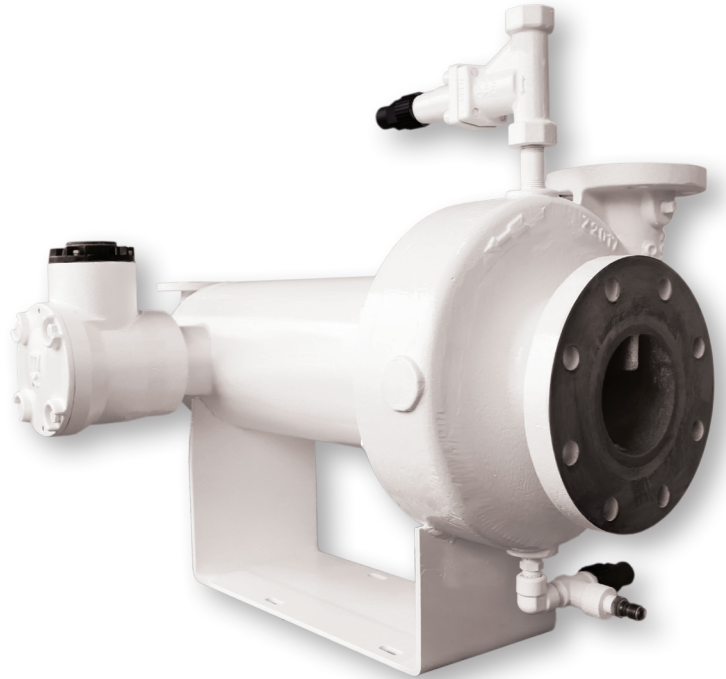




1.5HT



A typical picture of the pump is shown. Please contact Gemstone Pump Company for further details. All information is approximate and for general guidance only.

AVAILABLE MOUNTING CONFIGURATIONS

1.5HT-CAN SEMI-HERMETIC CLOSE-COUPLED

OPERATING LEVELS

MIN FLOW	25 GPM	1.58 L/S
MAX FLOW	140 GPM	8.83 L/S
DISCHARGE SIZE	1.5"	38.1 mm
SUCTION SIZE	4"	101.6 mm
MAX SPEED	1800 RPM	1800 RPM
MIN PRESSURE	25 PSID	172 kPa
MAX PRESSURE	60 PSID	414 kPa
MIN NPSHR	1.2'	0.37 m
BEP HEAD	53.4 PSID	368.2 kPa
BEP FLOW	113 GPM	7.1 L/S
BEP PERCENT	50%	50%

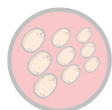
PARTS	STANDARD MATERIAL (ALL IRON)
IMPELLER	CAST IRON
VOLUTE	DUCTILE IRON
SHAFT	304 STAINLESS STEEL
VALVES	FORGED STEEL
O-RINGS	NEOPRENE
MOTOR	CAN 316 SS WITH CARBON-GRAPHITE BEARINGS

The 1.5HT Semi-Hermetic Refrigeration pump is designed with Gemstone's renowned quality and durability. It features a 1.5" discharge, a 4" suction, and an enclosed impeller. The four-pole motor is totally enclosed, and liquid cooled. The single stage impeller enhances NPSHr characteristics throughout the entire operating range. Bearings are replaceable, carbon-graphite material, and of a hydrodynamic design.

- Excellent NPSHr •
1800/1500 RPM operation speeds for reduced wear •
Flange to flange drop-in replacement for Gemstone Open Drive Pumps
- Built-in bearing condition indicator
- CSA-Approved motor
- Three-year warranty
- Enhanced vapor handling abilities
- Heavy Duty Construction



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



RENTAL



DATA SHEET

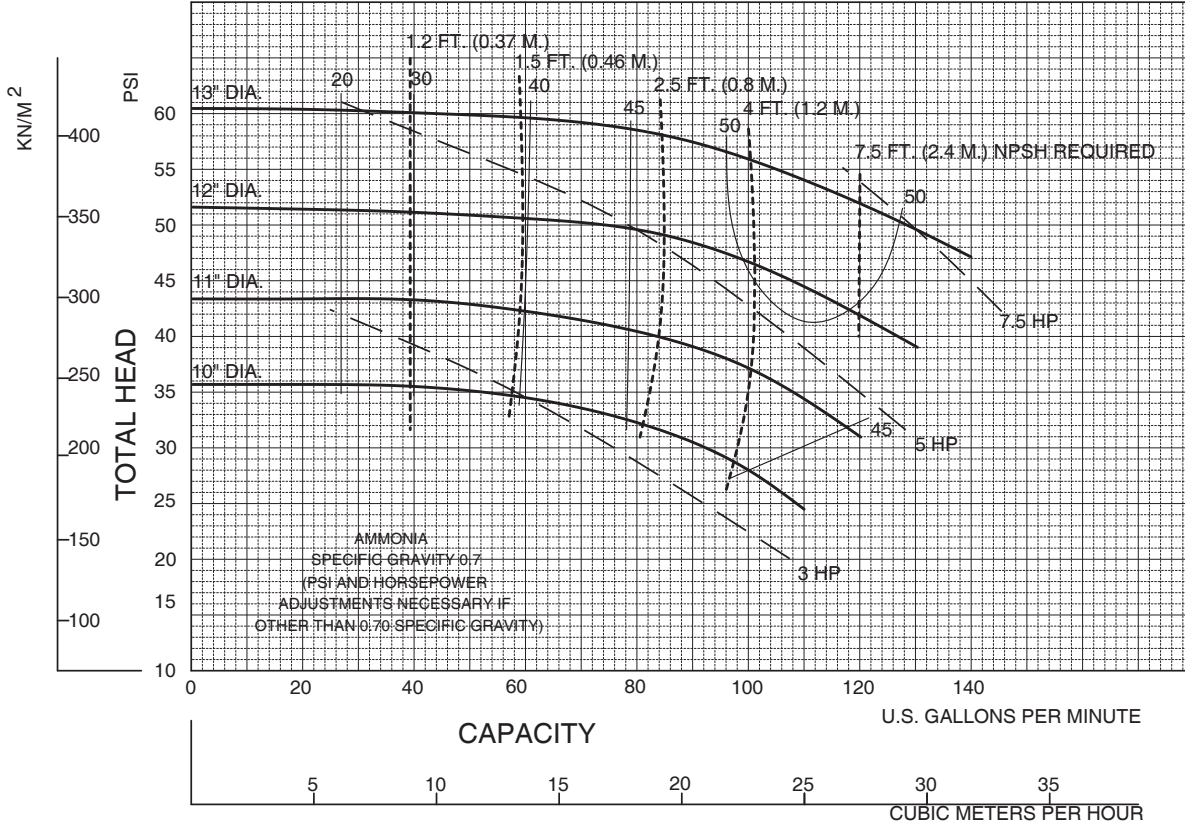
1.5HT

NEW PAGE

Feet x .305 = Meters
 Inches x 25.4 = Millimeters
 GPM x .227 = Cubic Meters/Hour
 GPM x 3.785 = Liters/Minute
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N _S	Suction	Discharge	SG
1720	VARIOUS	ENCLOSED	.43"	371	4"	1.5"	0.7

SINGLE VOLUTE MOUNTING CONFIG.: CC



15HT187

1/28/03

Gemstone Pump Company

1.5HT - 1800 RPM - 0.7 SG