

# SPECIFICATIONS

## U.S. Measurements

	Power Required	Pressure	Max. Speed	Max. Flow	Max. Temp.	Plunger $\varnothing$	Plunger Stroke	Weight	NPSHR
Model	BHP	PSI	RPM	GPM	°F	in	in	lbs.	ft. of head
GP6145-3100	55.8	1740	800	46.5	86*	1.77	1.89	309	29.5

## Metric Measurements

	Power Required	Pressure	Max. Speed	Max. Flow	Max. Temp.	Plunger $\varnothing$	Plunger Stroke	Weight	NPSHR
Model	kW	bar	RPM	l/min	°C	mm	mm	kg	mWs
GP6145-3100	41.6	120	800	175.9	30*	45	48	140	9.0

## INSTALLATION INSTRUCTIONS

\* 86 °F (30 °C) is limited only when pumping seawater for reason of corrosion. For other media 140 °F (60 °C).

Performance data for intermittent operation, data for continuous operation on request.

For information on intermittent operation and calculating of the performance data, see the Giant Industries assembly instructions.

### NPSHR / Inlet pressure

Required NPSH refers to water (at 68 °F [20°C]) at maximum permissible pump speed.

The inlet pressure on the suction side must not exceed 29 PSI (2 bar).

Make sure that suction pulsation is sufficiently dampened – water column resonance must be avoided.

### Fields of application

The fields of application of these pump types correspond to the specifications in the assembly instructions Giant Industries.

### Ambient conditions

Ambient temperature:  $41\text{ °F} < T_{\text{Amb.}} < 86\text{ °F}$

Ambient temperature:  $5\text{ °C} < T_{\text{Amb.}} < 30\text{ °C}$

### Oil filling

- Filling quantity: **1.1 gal (4.2 l)**
- Quality: Industrial gear oil **ISO VG 220** or automotive gear oil **SAE 90 GL4 (Giant's p/n 01154)**
- Intervals: first oil change after **50 operating hours**, then every **1000 operating hours**, but at the latest after **12 months**.

### Installation/ Putting into Operation

#### Shaft protector

When the pump is in operation, the open shaft end must be covered up by shaft protector (21A), the driven shaft side and coupling by a contact-protector and the plunger room by cover (30).

#### Direction of pump rotation

Set the direction of rotation of the drive unit according to the direction of rotation arrow on the crankcase.

#### Suction line filter

Recommended mesh size 150  $\mu\text{m}$ .

#### Operation

For informations, see assembly instructions Giant Industries, Inc.