

# INSTALLATION INSTRUCTIONS

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.

## Level of noise emission

Emission sound pressure level:  $\leq 92$  dB(A)

## 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 gallons (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**.

## 6. Installation/ Putting into Operation

### 6.1 Shaft protector

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

### 6.2 Direction of pump rotation

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

### 6.3 Suction line filter

Recommended mesh size 150 µm.

## 7. Operation

For informations, see assembly instructions Giant Industries, Inc.

GP6140 and GP6145 Series Torque Specifications			
Position	Thread	Lubrication Info.	Torque Amount
10	M10		33 ft.-lbs. (45 Nm)
12	1/2" BSP		59 ft.-lbs. (80 Nm)
15		Loctite 403	
24	M10		30 ft.-lbs. (40 Nm)
32		Loctite 403	
36			33 ft.-lbs. (45 Nm)
38	M10	Loctite 243	30 ft.-lbs (40 Nm)
40		Copper Pase Crankcase Side	
46	1/8" BSP	Loctite 5400	
49		Loctite 648 Crankcase Side	
49A	M16		133 ft.-lbs. (180 Nm)
56	M60x1.5	Anti-Seize 350	162 ft.-lbs. (220 Nm)