1.3 Horsepower Information

Horsepower ratings shown are the power requirements for the pump. Gas engine power outputs must be approximately twice the pump power requirements shown above.
We recommend that a 1.15 service factor be specified when selecting an electric motor as the power source. To compute specific pump horsepower requirements, use the following formula:

(GPM X PSI) / 1450 = HP

P540 and P541 Horsepower Requirements						
RPM	**GPM**	**500 PSI**	**750 PSI**	**1000 PSI**	**1250 PSI**	**1450 PSI**
725	17.7	6.1	9.2	12.2	15.3	17.7
800	19.5	6.7	10.1	13.5	16.8	19.5
900	22.0	7.6	11.4	15.2	19.0	22.0
1000	24.4	8.4	12.6	16.8	21.0	24.4
1200	29.3	10.1	15.2	20.2	25.3	29.3
1450	35.4	12.2	18.3	24.4	30.5	35.4

2. Fields of application

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

3. Ambient conditions

Ambient temperature: 41 °F < $T_{Amb.}$ < 86 °F
Ambient temperature: 5 °C < $T_{Amb.}$ < 30°C

4. Oil filling

- Filling quantity: **0.42 gallons (1.6 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 **500 operating hours**, but at the latest after **12 months**

5. Installation/ Putting into Operation

5.1 Direction of pump rotation

When looking at crankshaft with valve casing mounted on left-hand side, counterclockwise direction of rotation.
When looking at crankshaft with valve casing mounted on right-hand side, clockwise direction of rotation.

5.2 Suction line filter

Recommended mesh size 150 µm.

6. Operation

For informations, see assembly instructions Giant Pumps.