Specifications

Model	Max. Flow		Pressure*		Max. Speed	Max. Temp.		Plunger Diameter		Power Consumption		NPSHR	
	GPM	l/min	PSI	bar	RPM	°F	°C	in	mm	BHP	kW	Ft.-Head	mWs
P55-5100	3.9	14.7	2320	160	1420	160	70	0.71	18	3.9	2.9	18.0	5.5
P56-5100	6.1	23.1	1900	130	1420	160	70	0.79	20	7.9	5.9	24.3	7.4

*The operating pressure should be reduced to 100 bar when teflon seals (31) are used as higher pressure on teflon leads to reduced service life.

Installation Instructions

Performance data shown is for intermittent operation. For continuous operation, consult Giant.

NPSHR / Inlet pressure
Required NPSH refers to water at 68 °F (20°C) at maximum permissible pump speed.
Maximum inlet pressure: 29 PSI (2 bar)

Level of noise emission
Emission sound pressure level: ≤ 78 dB(A)

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

Oil
- Filling quantity: **12.5 fl. oz. (0,37 l)**
- Quality: Industrial gear oil **ISO VG 220** (e.g. Aral Degol BG220) 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 (17), the driven shaft side and coupling by a bell housing.

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 µm.

P55-5100 Horsepower Requirements					
RPM	GPM	500 PSI	1000 PSI	1500 PSI	2320 PSI
851	2.3	0.79	1.6	2.4	3.7
967	2.7	0.93	1.9	2.8	4.3
1084	3.0	1.0	2.1	3.1	4.8
1201	3.3	1.1	2.3	3.4	5.3
1317	3.6	1.2	2.5	3.7	5.8
1420	3.9	1.4	2.7	4.0	6.2

P56-5100 Horsepower Requirements					
RPM	GPM	500 PSI	1000 PSI	1500 PSI	1900 PSI
851	3.7	1.3	2.5	3.8	4.8
967	4.2	1.4	2.9	4.3	5.5
1084	4.7	1.6	3.2	4.8	6.1
1201	5.2	1.8	3.6	5.3	6.8
1317	5.7	2.0	3.9	5.9	7.4
1420	6.1	2.1	4.2	6.3	7.9