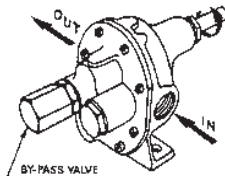




## WATER BOOSTER PUMP PART NUMBER 4025 AIR DRIVE, HIGH PRESSURE

**Pump:**

Rotary Gear, positive displacement flow.  
 Maximum discharge pressure: 6.9 Bar  
 Maximum suction lift: 6 meter  
 Operating temperature range: -40° C to 200° C  
 Adjustable discharge pressure relief  
 Pipe size: 3/4 inch



The by-pass valve is used to regulate and relieve discharge pressure.

To *increase pressure*, loosen locknut and turn by-pass adjusting screw *clockwise*.

**Note:** By-pass is factory set at 3.45 Bar.

**Drive:**

The REED, 4025 water pump is air motor driven and equipped with an air filter, air regulator, and air lubricator.

Maximum recommended operating pressure (air) is 6.9 Bar.

Air Lubricator: Use S.A.E. No. 10 detergent motor oil, one drop every 15 to 30 seconds.

**Capacity: Water 15°C**

R.P.M	FT. HD. P.S.I.	0	46	92	138	184	231	290	346
400	G.P.M.	4.0	3.45	2.9	2.35	1.50	1.30	1.30	1.00
	H.P.	.50	.23	.30	.39	.55	.65	.70	.90
	MOTOR	1/4	1/4	1/3	1/2	1/2	3/4	3/4	1
600	G.P.M.	6.3	5.78	5.26	4.74	4.22	3.95	3.50	3.10
	H.P.	.25	.30	.40	.65	.75	.95	1.15	1.40
	MOTOR	1/4	1/3	1/2	3/4	3/4	1	1 1/2	1 1/2
800	G.P.M.	8.58	8.18	7.78	7.38	6.98	6.57	4.60	6.20
	H.P.	.30	.40	.58	.85	.93	1.15	1.40	1.70
	MOTOR	1/3	1/2	3/4	1	1	1 1/2	1 1/2	2
1000	G.P.M.	10.90	10.51	10.12	9.72	9.33	8.93	8.00	7.90
	H.P.	.40	.60	.70	.90	1.1	1.38	1.60	1.92
	MOTOR	1/2	3/4	3/4	1	1	1 1/2	2	1
1200	G.P.M.	13.33	12.94	12.55	12.16	11.76	11.37	11.20	11.10
	H.P.	.50	.70	.85	1.08	1.35	1.65	1.90	2.20
	MOTOR	1/2	3/4	1	1	1 1/2	2	2	3
1600	G.P.M.	18.17	17.79	17.41	17.03	16.65	16.28	16.10	16.00
	H.P.	.70	.91	1.20	1.50	1.80	2.14	2.50	2.90
	MOTOR	3/4	1	1 1/2	1 1/2	2	2	3	3
1725	G.P.M.	19.85	19.48	19.11	18.74	18.37	18.00	17.70	17.40
	H.P.	.80	1.10	1.42	1.85	2.18	2.65	3.00	3.60
	MOTOR	1	1	1 1/2	2	2 1/2	3	3	5



**Complete Pump:** Weight 31 KG  
Cube 0.04 m³

H.P. = ACTUAL HORSEPOWER  
 MOTOR = CONVENIENT FRACTIONAL SIZES  
 G.P.M. = GALLONS PER MINUTE  
 P.S.I. = LBS. PER SQUARE INCH PRESSURE  
 FT. HD. = EQUIVALENT PRESSURE IN FEET OF WATER  
 R.P.M. = REVOLUTIONS PER MINUTE

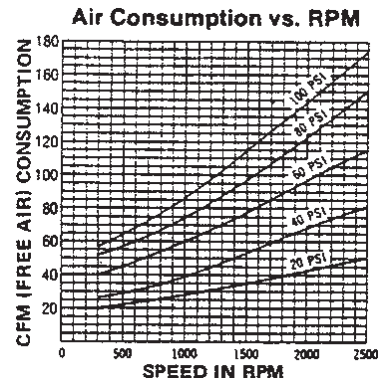
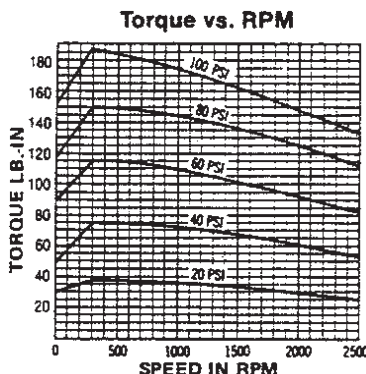
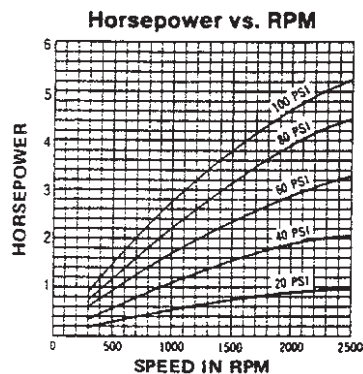
\*CONSULT FACTORY FOR PRESSURES OVER 6.9 Bar

**Operational Note:**

Gear pumps are self-priming, however, on initial or dry start-up, it is recommended that gears be wet.  
 Service life of pump will be increased if liquid pumped is clean and has lubricity valve  
 When possible, flush pump after each use

Notes: Datas available are in imperial units only

**Air Motor Data:**



13822 OAKS AVENUE, CHINO, CA 91710 U.S.A. PHONE: 909-287-2100 FAX: 909-287-2140



ACME EQUIPMENT

info@acme.com.sg

+65 6862 2332

www.acme.com.sg