

6 hp (4.47 kW) Pump Models



Key Features

- Choice of 10 models, 4 ratios, 20 possible combinations
- Output pressures to 10000 psi (690 bar)
- Flow rates to 21 gpm (80 l/min)
- Choice of wetted materials
- Single air head – double acting
- Drive pressure 3 to 125 psi (.2 to 9 bar)
- All hydraulic fluids, water (plain or DI), solvents

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
GWD, GSFD, DGFD ⁽¹⁾ , DGSFD ⁽¹⁾ , DGSTVD ⁽¹⁾	-12	4000 psi (276 bar)	15.9 cu in (260 ml)
GW, GSF, DGF, DGSF, DGSTV	-35	4375 psi (302 bar)	6.0 cu in (98 ml)
	-60	7500 psi (517 bar)	3.5 cu in (57 ml)
	-100	10000 psi (690 bar)	2.1 cu in (34.5 ml)

(1) Double Acting "Lift" Pumps

*For service codes, see page 17.
For weights and dimensions, see page 22.*

Incorporating 10 models, this heavy duty range of double acting pumps provide pressures up to 10000 psi (690 bar) and flow rates up to 4 gpm (15 l/min).

Designed to operate with air drive pressures between 40 and 125 psi (2.8 and 9 bar). For drive pressures 3 to 40 psi (.2 to 2.8 bar), order 51875-1 mod.

8 hp (5.97 kW) Pump Models



Key Features

- Choice of 6 models, 5 ratios, 9 possible combinations
- Pressures to 22500 psi (1530 bar)
- Flow rates to 11.5 gpm (44 l/min)
- All hydraulic fluids, water (plain or DI), solvents, liquefied gases
- Choice of wetted materials
- Single air head – double acting
- Drive pressure 3 to 125 psi (.2 to 9 bar)

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
8SFD, 8DFD, 8DSFD, 8DSTVD, 8FD	-25 ⁽¹⁾	4000 psi (276 bar)	14 cu in (229 ml)
8SFD, 8DSFD	-40	6000 psi (408 bar)	9 cu in (145.3 ml)
	-65	10000 psi (690 bar)	5.4 cu in (88.2 ml)
	-100 ⁽¹⁾	10000 psi (690 bar)	3.5 cu in (57.5 ml)
8HSFD	-225 ⁽¹⁾	22500 psi (1530 bar)	1.6 cu in (25.5 ml)

(1) Double Acting "Lift" Pumps

*For service codes, see page 17.
For weights and dimensions, see page 23.*

10 hp (7.46 kW) Pump Models



Key Features

- Choice of 4 models, 4 ratios, 4 possible combinations
- Pressures to 36000 psi (2500 bar)
- Flow rates to 3 gpm (11 l/min)
- Drive pressure 3 to 125 psi (.2 to 9 bar)
- All hydraulic fluids, water (plain or DI), solvents, liquefied gases
- Choice of wetted materials

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
D14STD	125 ⁽¹⁾	16000 psi (1103 bar)	8.8 cu in (144.2 ml)
	315 ⁽¹⁾	36000 psi (2482 bar)	3.5 cu in (57.4 ml)
D14SFD	125 ⁽¹⁾	16000 psi (1103 bar)	8.8 cu in (144.2 ml)
	315 ⁽¹⁾	36000 psi (2482 bar)	3.5 cu in (57.4 ml)

(1) Double Acting "Lift" Pumps

For service codes, see page 17.

For weights and dimensions, see page 23.

Incorporating two basic models, this heavy duty range of double acting pumps provide pressures up to 36000 psi (2482 bar) and output flow rate up to 3 gpm (11 l/min).

Operating from a maximum air drive pressure of 125 psi (9 bar), these pumps are designed for medium to high pressure service with minimum maintenance.

These large, slow speed pumps approach a seal life as high as 5 times that of many smaller pumps and this advantage becomes ever greater in heavy duty service involving water, or other liquids with negligible lubricity.

Optional Modifications (for 6 hp, 8 hp and 10 hp pump)

Number	Description
C	Air controls.
17860	Electrical stroke counter provision (includes BZE6-2RQ micro switch).
25721	Mechanical stroke counter installed (6 digit).
29077	Interconnecting tubing – 6 hp and 8 hp pumps, double ended.
29077-1	Interconnecting tubing – 6 hp and 8 hp pumps, double ended low ratio pumps.
29078	Same as 29077, 29077-1 double ended w/distance piece.
29078-1	Same as 29077, 29077-1 double ended w/distance piece low ratio pumps.
29079	Interconnecting tubing – 10 hp pumps.
29125	External pilot modification – for 6 hp thru 10 hp pumps.
51875-1	Low air pressure control – for 6 hp thru 10 hp pumps.
54030	Sour gas air drive provision to NACE spec. 6 hp distance piece pumps only.

Number	Description
54312	Extreme service cycling modification – for 6 hp thru 10 hp pumps.
54936	Exhaust/pilot vent combiner.
55330	Interconnecting tubing 8DSFD-100 low pressure inlet.
55330-1	Interconnecting tubing 8DSFD-100 high pressure inlet.
55366	Interconnecting tubing 8DSFD-225.
57002	Viton seals – air drive only – 6 hp.
57944	Viton seals – air drive only – 8 hp.
59888	Cycle timer installed.
82500	ATEX modification available for 6 hp only, not available on 8 hp or 14 hp drive, nor on GW, GSF, DGSF, GSFD, or DGSFD models.
86337	Extended life air drive.

