

## 2 & 2.2 hp (1.49 & 1.64 kW) Pump Models



### Key Features

- Choice of 16 models, 13 ratios, 46 possible combinations
- Output pressures to 100000 psi (7000 bar)
- Flows to 5 gpm (15 l/min)
- Choice of wetted materials
- Double and triple air heads
- Drive pressure 3 to 100 psi (.2 to 7 bar)

Model	Nominal Ratio	Maximum Working Pressure	Displacement per Cycle
AW, ASF, DF, DSF, DSTV	-B22	3200 psi (221 bar)	4 cu in (66.4 ml)
	-B32	4800 psi (331 bar)	2.7 cu in (44.3 ml)
	-52	8000 psi (552 bar)	1.6 cu in (26.6 ml)
	-72	11000 psi (758 bar)	1.2 cu in (19 ml)
	-122	19000 psi (1310 bar)	.7 cu in (11 ml)
HF, HSF, DHF, DSHF	-202	33000 psi (2275 bar)	.4 cu in (6.7 ml)
	-302	50000 psi (3448 bar)	.28 cu in (4.5 ml)
DXHF, DSXHF	-452	70000 psi (4827 bar)	.18 cu in (3.0 ml)
	-602	75000 psi (5171 bar)	.14 cu in (2.3 ml)
DXHF, DSXHF	-683	70000 psi (4827 bar)	.18 cu in (3.0 ml)
	-903	75000 psi (5171 bar)	.14 cu in (2.3 ml)
DSXHW	-1373	100000 psi (6895 bar)	.09 cu in (1.4 ml)
AFD, DSFD, DFD, ASFD	-B60	6500 psi (448 bar)	1.3 cu in (22 ml)

For service codes, see page 17.

For weights and dimensions, see page 20.

## 3 hp (2.24 kW) Pump Models



### Key Features

- One model available in 8 ratios
- Output pressures to 33000 psi (2275 bar)
- Flow rates to 8 gpm (30 l/min)
- Single air head
- Drive pressure 3 to 150 psi (.2 to 10 bar)

Model	Nominal Ratio	Maximum Working Pressure*	Displacement per Cycle
ASFD	10	1600 psi (110 bar)	8.1 cu in (132.8 ml)
	15	2400 psi (165 bar)	5.4 cu in (88.6 ml)
	25	4000 psi (276 bar)	3.3 cu in (53.2 ml)
	35	5700 psi (393 bar)	2.3 cu in (38 ml)
	60	9800 psi (676 bar)	1.3 cu in (22 ml)
	100	16500 psi (1138 bar)	.8 cu in (13.4 ml)
	150	20000 psi (1379 bar)	.6 cu in (9 ml)
	202	33000 psi (2275 bar)	.8 cu in (13.4 ml)

\* Continuous/Intermittent

For service codes, see page 17.

For weights and dimensions, see page 21.

## Optional Modifications (for 2 hp, 2.2 hp and 3 hp pump models)

Number	Description
-C	Air controls (filter, regulator, gauge, shut-off. ½" NPT.
-CP	Air controls with precision regulator. ½" NPT.
-CO	Air controls with recycle button. ½" NPT.
-CPO	Air controls with precision regulator and recycle button. ½" NPT.
-B	Bottom Inlet (designate "B" before ratio dash number, "BR" on -B10, -B15, -B22 and -B32) 1.5 hp and 2 hp pumps (not applicable to high output, chemical, 2.2 hp, or AWD series pumps)
16821	Low air pressure control feature. For operating at air pressures as low as 3 to 4 psi (.2 to .3 bar).
16831	Low temperature modification. For special sealing in air drive for operating temperatures from as low as -20°F up to normal +120°F.
16834	Exhaust adapter. With back pressure balance piston.
17860	Electrical stroke counter provision. Includes BZE6-2RQ microswitch.
25721	Mechanical stroke counter. Installed (6 digit).
27964	Interconnecting inlet-outlet tubing. ½" female for 4:1 ratio series pumps (ATV-4 or DTV-4).
28000	Threaded vent (or purge) ports on standard distance piece. Except 1.5:1 ratio and 3 hp pump.
28003	Test port. Provides access port in pump's body between inlet and outlet check valves for 1.5 hp and 2 hp pumps, -10 ratio or higher, single acting.
28881	Air pilot modification, ½" NPT – Allows remote start/stop of pump.
29376	Three-way cycling spool. For 1.5 hp and 2 hp single acting pumps.
29702	Single stroke modification. Except 3 hp pump.
29806	Double distance piece. For 1.5 hp and 2 hp pumps only, except 1.5:1 ratio.

Number	Description
51050	Extreme service cycling modification. Not recommended for long stall periods.
51056	Exhaust/pilot vent combiner.
51331	EPR (Ethylene propylene) static seals in wetted section. Applies to distance piece pumps only.
51345	Sour gas drive provision to N.A.C.E. specifications. 1.5 hp to 2.2 hp distance piece pumps only, single air head and double air head.
52788	Viton seals. Air drive only – 1.5 hp to 2.2 hp pumps only.
53925	Severe Arctic low temperature service. -25, -35, -60, -100, -150, -151, -225, -300, -450 ratios except 3 hp pump.
54885	Rotate pump body 90° from standard. Except 3 hp pump.
54935	SS trim for 5/3 air drive.
55191	Mounting ring kit for AWD series.
55192	3/4 NPT inlet port installed on AWD series (in place of threaded port).
55193	Extra foot bracket installed.
55305	Tube ports. ⅝" SAE inlet and outlet – for 1.5 hp to 2 hp pumps, 15 pump minimum.
55465	Ceramic Plunger -60 Ratio.
55516	Polyurethane "W" seal in "F" series pumps-except high output models.
55630	Stainless steel (SS-316) distance piece – for 1.5 thru 2 hp pumps.
59353	Noise reduction kit fitted. Not available on AFD, DFD, ASFD or DSFD.
59888	Cycle timer installed.
82460	HNBR Seals in air drive section.
82500	ATEX modification (not available on AW or DSXHW pumps).
86337	Extended life air drive.

