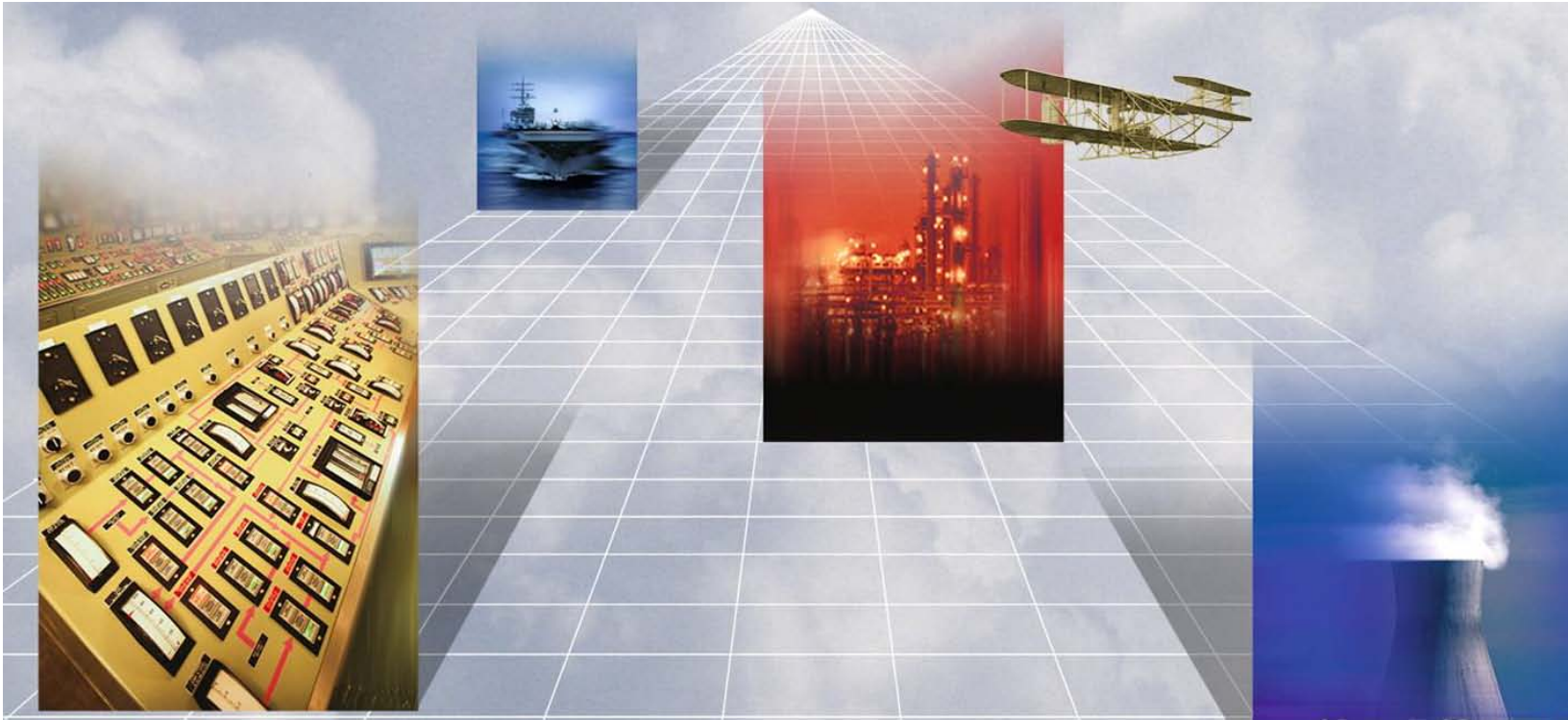


AIR DRIVEN LIQUID PUMPS



PERFORMANCE CHARTS



PERFORMANCE CHARTS ↓ SM3A, SM3S SERIES AIR DRIVEN LIQUID PUMPS

Approximate Rate of Discharge in Cubic Inches/min. and (liters/min) Air Drive 100 PSI (6.9 bar)

1/3 HP (.25 KW) AIR SUPPLY 15 SCFM (.42 S M ³ /min)	Pressure PSI (BAR)	SM3 - 5	SM3 - 10	SM3 - 20	SM3 - 35	SM3 - 60	SM3 - 100	SM3 - 150	SM3 - 225
	0		550 (9.0)	476 (7.8)	305 (5.0)	158 (2.6)	98 (1.6)	58 (.95)	39 (.64)
100 (6.9)		330 (5.4)	350 (5.7)	280 (4.6)	140 (2.3)	90 (1.5)	55 (.90)	38 (.62)	23 (.37)
250 (17)		275 (4.5)	200 (3.3)	210 (3.5)	120 (2.0)	80 (1.3)	53 (.86)	37 (.60)	22 (.36)
350 (24)		180 (2.9)	180 (2.9)	160 (2.6)	100 (1.6)	70 (1.1)	50 (.82)	36 (.59)	21 (.34)
500 (34)			150 (2.4)	110 (1.8)	90 (1.5)	60 (.98)	48 (.78)	35 (.57)	20 (.32)
1000 (69)			10 (.16)	75 (1.23)	60 (1.0)	31 (.50)	40 (.65)	28 (.46)	18 (.29)
1500 (103)				60 (.98)	50 (0.8)	25 (.40)	30 (.49)	25 (.41)	17 (.27)
2000 (138)				15 (.25)	40 (.65)	22 (.36)	21 (.34)	20 (.32)	16 (.26)
3000 (207)					25 (.40)	20 (.32)	16 (.26)	16 (.26)	16 (.26)
4000 (276)						17 (.27)	16 (.26)	12 (.19)	9 (.14)
6000 (414)							14 (.23)	11 (.18)	8 (.13)
8000 (552)							10 (.16)	9 (.14)	7 (.11)
10000 (690)								7 (.11)	6 (.09)
12000 (827)								6 (.09)	5 (.08)
15000 (1034)									4 (.06)
20000 (1379)									3 (.05)
22500 (1551)									



PERFORMANCE CHARTS ↓ POWERSTAR 4 – SERIES (SINGLE ENDED) AIR DRIVEN LIQUID PUMPS

Approximate Rate of Discharge in Cubic Inches/min. and (liters/min) Air Drive 100 PSI (6.9 bar)

1/2 HP (.37 KW) Air Supply 50 SCFM (1.4 S M ³ /min)	Pressure PSI (BAR)	P4 - 5	P4 - 10	P4 - 21	P4 - 34	P4 - 64	P4 - 114	P4 - 203	P4 - 333
	0		1016 (14)	700 (11)	425 (7)	240 (4)	170 (2.7)	80 (1.31)	45 (.73)
100 (6.9)		947 (14)	690 (11)	400 (6.5)	220 (3.6)	150 (2.4)	75 (1.23)	44 (.72)	24 (.39)
300 (21)		462 (7.6)	600 (9.8)	350 (5.7)	215 (3.5)	125 (2)	74 (1.21)	43 (.7)	23 (.37)
400 (27)		231 (3.8)	500 (8.2)	300 (4.9)	210 (3.4)	120 (1.9)	73 (1.19)	41 (.67)	22 (.36)
750 (52)			200 (3.3)	250 (4.1)	200 (3.2)	110 (1.8)	72 (1.18)	38 (.62)	21 (.34)
1000 (69)			100 (1.6)	150 (2.4)	175 (2.8)	100 (1.6)	70 (1.14)	36 (.59)	21 (.34)
1500 (103)				100 (1.6)	150 (2.4)	90 (1.4)	65 (1.06)	35 (.57)	20 (.32)
2000 (138)				50 (.82)	100 (1.6)	75 (1.2)	60 (.98)	34 (.55)	20 (.32)
2500 (172)					75 (1.23)	65 (1)	58 (.95)	32 (.52)	19 (.31)
3000 (207)					25 (.4)	60 (.98)	55 (.9)	31 (.5)	18 (.29)
4000 (276)						55 (.90)	50 (.82)	30 (.49)	17 (.28)
5000 (345)						40 (.65)	45 (.73)	28 (.46)	16 (.26)
6400 (441)							40 (.65)	27 (.44)	15 (.24)
10000 (690)							20 (.33)	25 (.41)	13 (.21)
15000 (1034)								15 (.24)	12 (.19)
20000 (1379)								10 (.16)	10 (.16)
30000 (2069)									3 (.05)
33300 (2296)									



PERFORMANCE CHARTS ↓ POWERSTAR 4 – SERIES (DOUBLE-ENDED) AIR DRIVEN LIQUID PUMPS

Approximate Rate of Discharge in Cubic Inches/min. and (liters/min) Air Drive 100 PSI (6.9 bar)

1/2 HP (.37 KW) Air Supply 50 SCFM (1.4 S M ³ /min)	Pressure PSI (BAR)	P4 - 5/5	P4-10/10	P4-21/21	P4-34/34	P4-64/64	P4-114/114	P4-203/203	P4-333/333
	0		1727 (24)	1190(19.4)	680 (11.1)	384 (6.3)	260 (4.3)	128 (2.1)	72 (1.2)
100 (6.9)		1610 (24)	1173(19.2)	720(11.8)	396 (6.5)	240 (3.9)	135 (2.2)	74 (1.2)	40 (0.6)
300 (21)		831 (13.6)	1020(16.7)	630(10.3)	378 (6.2)	220 (3.6)	133 (2.2)	73 (1.2)	39 (0.6)
400 (27)		416 (6.8)	900(14.7)	540 (8.8)	378 (6.2)	210 (3.4)	131 (2.1)	73 (1.3)	39 (0.6)
750 (52)			360 (5.9)	450 (7.4)	360 (5.9)	200 (3.3)	130 (2.1)	68 (1.1)	37 (0.6)
1000 (69)			180 (2.9)	270 (4.4)	315 (5.1)	185 (3.0)	126 (2.0)	65 (1.0)	37 (0.6)
1500 (103)				180 (2.9)	270 (4.4)	170 (2.8)	117 (1.9)	63 (1.0)	36 (0.6)
2000 (138)				90 (1.5)	180 (2.9)	160 (2.6)	108 (1.7)	61 (1.0)	36 (0.6)
2500 (172)					135 (2.2)	150 (2.4)	104 (1.7)	58 (.90)	34 (.51)
3000 (207)					37 (.6)	140 (2.3)	99 (1.6)	56 (.90)	32 (.50)
4000 (276)						100 (1.6)	90 (1.5)	54 (.90)	30 (.49)
5000 (345)						70 (1.1)	81 (1.3)	50 (.80)	28 (.40)
6400 (441)						15 (.25)	72 (1.2)	48 (.80)	27 (.40)
10000 (690)							36 (0.6)	45 (.70)	23 (.30)
15000 (1034)								27 (.40)	21 (.30)
20000 (1379)								18 (.30)	18 (.26)
30000 (2069)									6 (.10)
33300 (2296)									





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