AIR AMPLIFIER SELECTION CHART

DRIVE SIZE In (mm)	MAX AIR DRIVE PSIG (kPa)	MODEL	RATIO	MAX INLET PSIG (kPa)	MAX OUTLET PSIG (kPa)	DISPL/ CYCLE In^3 (ML)
2.87 (73)	125 (862)	HAA31-2.5	2.5:1	125 (862)	320 (2206)	2.40 (39.3)
2.87 (73)	125 (862)	HAA31-3.5	3.5:1	125 (862)	450 (3103)	1.77 (29.0)
2.87 (73)	125 (862)	HAA31-4.5	4.5:1	125 (862)	600 (4137)	1.35 (22.1)
4 (102)	125 (862)	4AAD-2	2:1	250 (1723)	250 (1723)	62.5 (1024)
5.75 (146)	150 (1034)	AA-8	8:1	1250 (8618)	2500 (17236)	13.2 (216)
		AA-15	15:1	2250 (15513)	2250 (15513)	6.2 (101)
		AA-30	30:1	4500 (31026)	4500 (31026)	3.1 (51)
		AAD-2	2:1	300 (2068)	300 (2068)	201 (3294)
		AAD-5	*5:1 (4:1)	1250 (8618)	1250 (8618)	19.3 (316)
		AAD-15	15:1	2500 (17236)	2500 (17236)	12.4 (203)
		AAD-30	30:1	4500 (31026)	4500 (31026)	6.2 (101)
		AAT-7/30	7/30	300 (2068)	4500 (31026)	13.2 (216)
		AAT-15/30	15/30	1000 (6895)	4500 (31026)	6.2 (101)
		AAT-30/50	30/50	3000 (20684)	5000 (34474)	3.1 (51)
8 (203)	130 (896)	8AAD-2	2:1	300 (2068)	300 (2068)	400 (6555)

MODEL NUMBER CODES

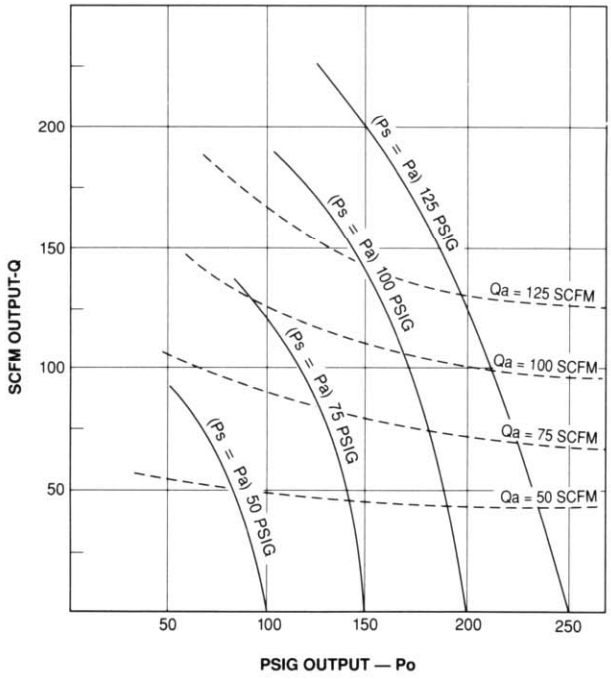
HAA31 & AA Single acting, single stage air pressure amplifier.
Maximum Po ("Stall") = Pa x Ratio

AAD Double acting, single stage air pressure amplifier provides outlet flow on each stroke of cycle and gains "lift" from inlet pressure.
Maximum Po ("Stall") = Pa x Ratio + Ps (*Often Pa = Ps)

AAT Two-stage air pressure amplifier provides two high pressure pistons of different ratios within a single unit for maximum efficiency at higher outlet pressures.
Maximum Po ("Stall") = Pa x Ratio 2nd Stage + Ps x Ratio Stages

8AAD-2 SERIES PERFORMANCE, CONTROLS & OPTIONS

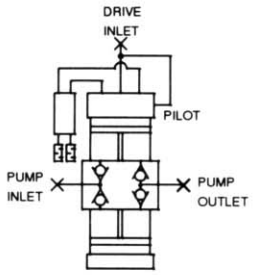
MODEL 8AAD-2



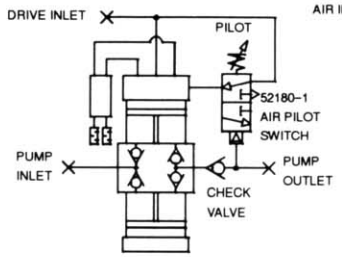
NUMBER	DESCRIPTION
–C	Air (F-R, Gauge & Valve) Controls
29125	External Pilot Modification
–MA1	29125 & Air Pilot Switch
17860	Electrical Stroke Counter
25721	Mechanical Stroke Counter
29702	Single Stroke Modification
54312	Extreme Service Cycling Mod
59790	No Load Run Away Mod
59791	59790 With Air Controls
59462	8AAD-2 With Receiver and Controls

NOTE: Total input air volume required = Q + Qa

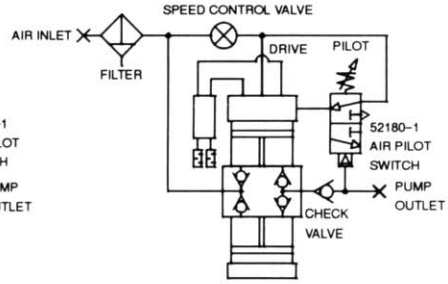
CONVERSION:
1 bar = 14.5 psig
1 normal cubic meter per minute = 35.31 scfm



BASIC 8AAD-2

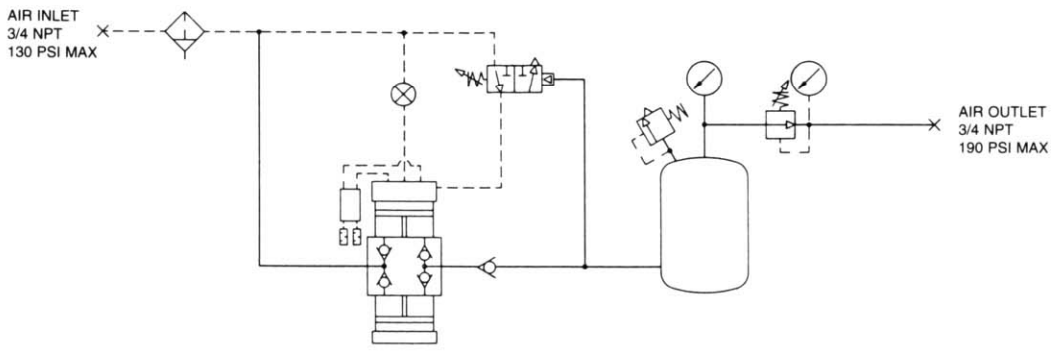


59790-8AAD-2



59791-8AAD-2

59462



8AAD-2 DIMENSIONAL DATA