

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 Single acting, single stage air pressure amplifier.

& AA 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.

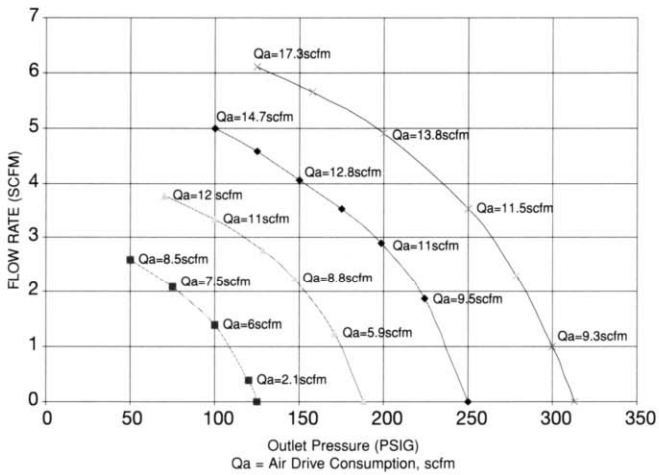
Maximum Po ("Stall") = Pa x Ratio + Ps (*Often Pa = Ps)

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.

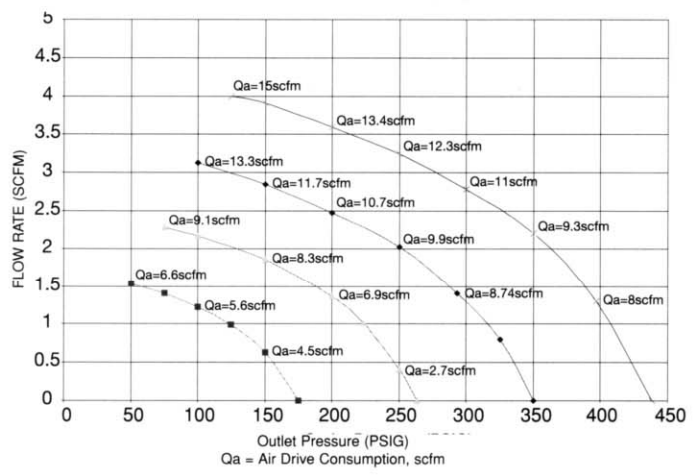
Maximum Po ("Stall") = Pa x Ratio 2nd Stage + Ps x Ratio Stages

HAA31 SERIES PERFORMANCE, CONTROLS & OPTIONS

HAA31-2.5

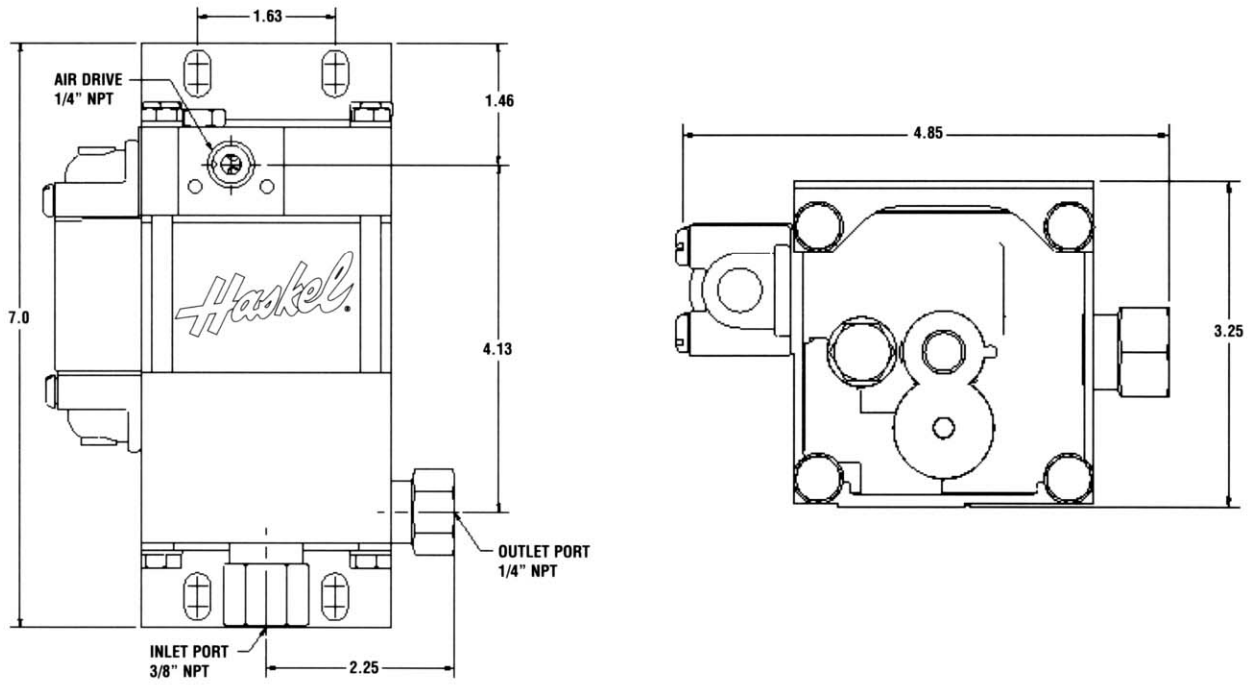


HAA31-3.5



HAA31 SERIES DIMENSIONAL DATA

HAA31 SERIES



MODEL NO. 85291 HAA31 SERIES MINI SYSTEM

