

# A-Series Bares

Compressor designs optimized for premium service in the following applications:

- Bulk Material Handling
- Engine Starting
- Well Head Servicing
- Petroleum Refineries
- Industrial Spraying

## DIMENSIONS

MODEL	BORE DIAMETER		STROKE	SUCTION & DISCHARGE PIPE SIZE NPT	DIMENSIONS L x W x H	WEIGHT	
APL	in	7.875/7.875	3	3	41 x 29 x 30	lbs	750
	mm	200	76	NA	1041 x 737 x 762	kg	340
APO	in	7.875/7.875	4.5	3	41 x 29 x 30	lbs	750
	mm	200	114	NA	1041 x 737 x 762	kg	340

## COMPRESSOR SPECIFICATIONS

MODEL	SPEED HP/KW	PRESSURE		CAPACITY	
		PSIG	BAR	CFM	M <sup>3</sup> /MIN
APL	855 15/11.2	20	1.4	113	3.2
		30	2.1	105	3.0
		40	2.8	98	2.8
		50	3.4	90	2.5
		60	4.1	83	3.1
APO	698 20/14.9	20	1.4	145	4.1
		30	2.1	134	3.8
		40	2.8	125	3.5
		50	3.4	117	3.3
APO	885 25/18.6	20	1.4	181	5.1
		30	2.1	169	4.8
		40	2.8	158	4.5
		50	3.4	148	4.2
APO	1072 30/22.4	20	1.4	218	6.1
		30	2.1	205	5.8
		40	2.8	192	5.4
		50	3.4	180	5.1
		60	4.1	168	4.8

## VACUUM SPECIFICATIONS

MODEL	SPEED HP/KW	CAPACITY		VAC. - HG	
		CFM	M <sup>3</sup> /MIN	IN	MM
APL	780 5/3.7	120	3.4	5	127
		114	3.2	10	254
		105	3.0	15	381
		92	2.6	20	508
		60	1.7	25	635
APO	739 7.5/5.6	NA	NA	28	711
		167	4.7	5	127
		164	4.6	10	254
		157	4.4	15	381
APO	937 10/7.5	145	4.1	20	508
		99	2.8	25	635
		NA	NA	28	711
		198	5.6	5	127
APO		193	5.5	10	254
		185	5.2	15	381
		169	4.8	20	508
		117	3.5	25	635
		NA	NA	28	711

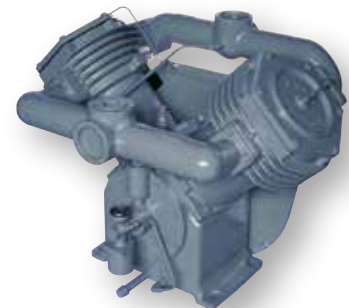
## 28" HG-60 PSIG (0.95-4.1 BAR)

CONTINUOUS OPERATION

## 5-30 HP (3.7-22.4 KW)



**APLGAA-CH, APLGBA-CH,  
APLHAA-CH, APLHBA-CH**  
Single-Stage Compressor



**APOGAA-CH, APOGBA-CH,  
APOHAA-CH, APOHBA-CH**  
Single-Stage Compressor

## DIMENSIONS

MODEL	BORE DIAMETER		STROKE	SUCTION & DISCHARGE PIPE SIZE NPT	DIMENSIONS L x W x H	WEIGHT
ATLE6-CH	in	7.875	4.50	3	41 x 29 x 30	lbs 750
	mm	200	114	NA	1041 x 737 x 762	kg 340

## SPECIFICATIONS

MODEL	SPEED RPM	PISTON DISPLACEMENT		OIL CAPACITY		MAXIMUM PRESSURE		DISCHARGE AIR TEMP @ 30 PSIG - 2.07 BARS		BHP HP KW
		CFM M <sup>3</sup> /MIN	QTS LTRS	PSIG BAR	° F ° C	DUTY CYCLE	FLOW CFM M <sup>3</sup> /MIN			
ATLE6-CH	1550	262 7.8	9 8.5	30 2.07	400 204	Intermittent	180 5.1	29 22		



**ATLE6-CH**

Single-Stage Compressor

- Pressure Lubricated
- SAE #3 Bell Housing
- Low Pressure Bare
- Factory Fill with ChampLub 500
- Single-Stage, 2 Cylinders

## DIMENSIONS

MODEL	BORE DIAMETER		STROKE	SUCTION & DISCHARGE PIPE SIZE NPT	DISCHARGE	DIMENSIONS L x W x H	WEIGHT
AVLAVCAA-CH	in	8.00/4.25	4.50	2	2	40 x 27 x 33	lbs 680
	mm	203/108	114	NA	NA	1016 x 686 x 838	kg 308
AVLANCAA-CH	in	4.25/4.25	4.50	3	2	38 x 27 x 33	lbs 600
	mm	108	114	NA	NA	965 x 686 x 838	kg 272
AVLEKCAA-CH	in	7.50/7.50	3	3	3	38 x 27 x 33	lbs 600
	mm	191	76	NA	NA	965 x 686 x 838	kg 272

- Single-Stage Vacuum and Booster Bare
- Two-Stage Air Compressor Bare
- Pressure Lubricated
- Factory Fill with ChampLub 500
- Cast Iron Construction

## COMPRESSOR SPECIFICATIONS

MODEL	HP/KW	SPEED	PRESSURE		CAPACITY	
			PSIG	BAR	CFM	M <sup>3</sup> /MIN
AVLAVCAA-CH	25/19	968	100	6.90	101	2.86
			125	8.62	96.5	2.73
			175	12.07	85	2.41
			250	17.24	78	2.21
AVLANCAA-CH	30/22	1106	100	6.90	116	3.29
			125	8.62	105	2.97
			175	12.07	99	2.80
			250	17.24	87	2.46

Suction Pressures: 1-140 psig  
Discharge Pressure: Up to 350 psig

AVLANCAA-CH 40/30

Consult factory for sizing & technical information.

## 25" HG-350 PSIG

(6.9-17.24 BAR)

CONTINUOUS OPERATION

## 7.5-40 HP

(5.6-30 KW)



**AVLANCAA-CH**

Single-Stage Booster

## VACUUM SPECIFICATIONS

MODEL	SPEED HP/KW	CAPACITY		VAC. - HG	
		CFM	M <sup>3</sup> /MIN	IN	MM
AVLEKCAA-CH	870 7.5-10/ 5.6-7.5	169	4.79	5	127
		160	4.53	10	254
		146	4.13	15	381
		122	3.46	20	508
		62	1.75	25	635



**AVLEKCAA-CH**

Single-Stage Vacuum Pump



**AVLAVCAA-CH**

Two-Stage Compressor

# A-Series Natural Gas Bares



**ANPEAA-CH**



**ANPHAA-CH**

## ANPEAA-CH, ANPHAA-CH

Ideal for use in natural gas gathering applications

- Concentric Ring Type Valves
- AISI 420 Stainless Steel Discs & Springs
- Drive Sheave with Turbo Fins
- Viton O-Rings
- Threaded Crankcase Vent Connection
- Counter Balanced Crankshaft
- Cast-Iron Construction
- Factory Fill with ChampLub 500

### COMPRESSOR SPECIFICATIONS

DESCRIPTION	ANPHAA-CH	ANPEAA-CH
Compressor HP Range	40 Max	40 Max
Rotation (drive end)	Clockwise	Clockwise
Valves	Plain	Plain
Bore & Stroke (inches)	7.87 & 7.87 × 4.5	4.25 & 4.25 × 4.5
Speed Range (RPM)	550-1000	550-1000
Number Cylinders	2	2
Weight (pounds)	750	600
Dimensions (inches)	L 40.3 W 28.78 H 29.9	L 33.9 W 24.34 H 26.8
Maximum Pressure	60 PSIG	250 PSIG

### ANPHAA PERFORMANCE @ 968 RPM

MSCFD	DISCHARGE PSIG										
	10	15	20	25	30	35	40	45	50	55	60
-10	70.4	66.3	62.3	58.5							
-5	180.1	172.7	165.5	158.4	150.7	146.5	142.3	138.2	134.2	130.2	126.3
0	292.7	284.8	277.2	269.6	262.3	255.0	247.9	240.8	233.8	226.8	222.5
5	406.0	397.8	389.8	381.9	374.2	366.6	359.2	351.8	344.5	337.3	330.2
10		511.3	502.9	494.8	486.8	479.0	471.3	463.7	456.1	448.7	441.3
15				608.1	599.9	591.9	583.9	576.1	568.3	560.7	553.1
20					713.3	705.0	696.9	688.9	681.0	673.2	665.4
25						818.5	810.2	802.0	793.9	786.0	778.1
30							923.7	915.4	907.2	899.0	891.0
35								1028.9	1020.6	1012.3	1004.1
40										1125.8	1117.5
45											1231.0

BHP	DISCHARGE PSIG										
	10	15	20	25	30	35	40	45	50	55	60
-10	9.1	10.1	11.1	12.0							
-5	12.7	14.3	15.5	16.5	17.3	18.4	19.5	20.5	21.5	22.5	23.4
0	12.5	15.5	18.0	20.0	21.6	22.9	24.0	25.0	25.9	26.7	27.8
5	10.4	14.5	17.8	20.7	23.3	25.5	27.3	28.9	30.2	31.3	32.4
10		11.7	16.2	19.8	23.0	25.9	28.5	30.9	32.9	34.6	36.1
15				17.9	21.7	25.1	28.2	31.1	33.8	36.2	38.3
20					19.4	23.5	27.0	30.3	33.4	36.3	39.0
25						20.9	25.2	28.9	32.3	35.5	38.6
30							22.2	26.8	30.7	34.3	37.6
35								23.4	28.4	32.5	36.1
40										29.8	34.1
45											31.2

Note: Sweet Natural Gas with N Value of 1.3; MSCFD = Flow at 14.7 PSIA and 60° F

### ANPEAA PERFORMANCE @ 968 RPM

MSCFD	DISCHARGE PSIG								
	50	75	100	125	150	175	200	225	250
0	57.6	46.1	36.1						
10	123.8	108.2	92.8	82.1	71.9	61.9	52.3		
20	191.3	174.7	158.9	143.7	128.8	118.1	107.8	97.6	87.7
30	259.3	242.1	225.6	209.7	194.3	179.3	164.9	154.2	143.7
40		310.0	292.9	276.5	260.6	245.0	229.8	214.9	200.9
50		378.2	360.7	343.8	327.4	311.4	295.8	280.5	265.4
60		446.7	428.8	411.5	394.7	378.3	362.3	346.6	331.2
70			497.1	479.4	462.3	445.6	429.2	413.2	397.5
80			565.6	547.6	530.1	513.1	496.5	480.1	464.1
90				616.0	598.2	580.9	564.0	547.4	531.0
100				684.5	666.5	648.9	631.7	614.8	598.3

BHP	DISCHARGE PSIG								
	50	75	100	125	150	175	200	225	250
0	6.4	6.8	6.8						
10	8.9	10.2	10.7	11.2	11.5	11.4	11.0		
20	9.4	12.4	14.0	14.7	15.1	15.7	16.0	16.1	16.0
30	8.8	13.0	15.9	17.6	18.5	19.1	19.5	20.0	20.4
40		12.7	16.6	19.4	21.1	22.3	23.0	23.5	23.9
50		11.9	16.5	20.1	22.8	24.7	25.9	26.8	27.4
60		10.1	15.9	20.1	23.6	26.2	28.2	29.5	30.5
70			14.9	19.7	23.7	27.1	29.7	31.6	33.1
80			13.1	19.0	23.5	27.3	30.5	33.1	35.1
90				17.9	22.9	27.1	30.8	34.0	36.5
100				16.1	22.0	26.7	30.7	34.3	37.4