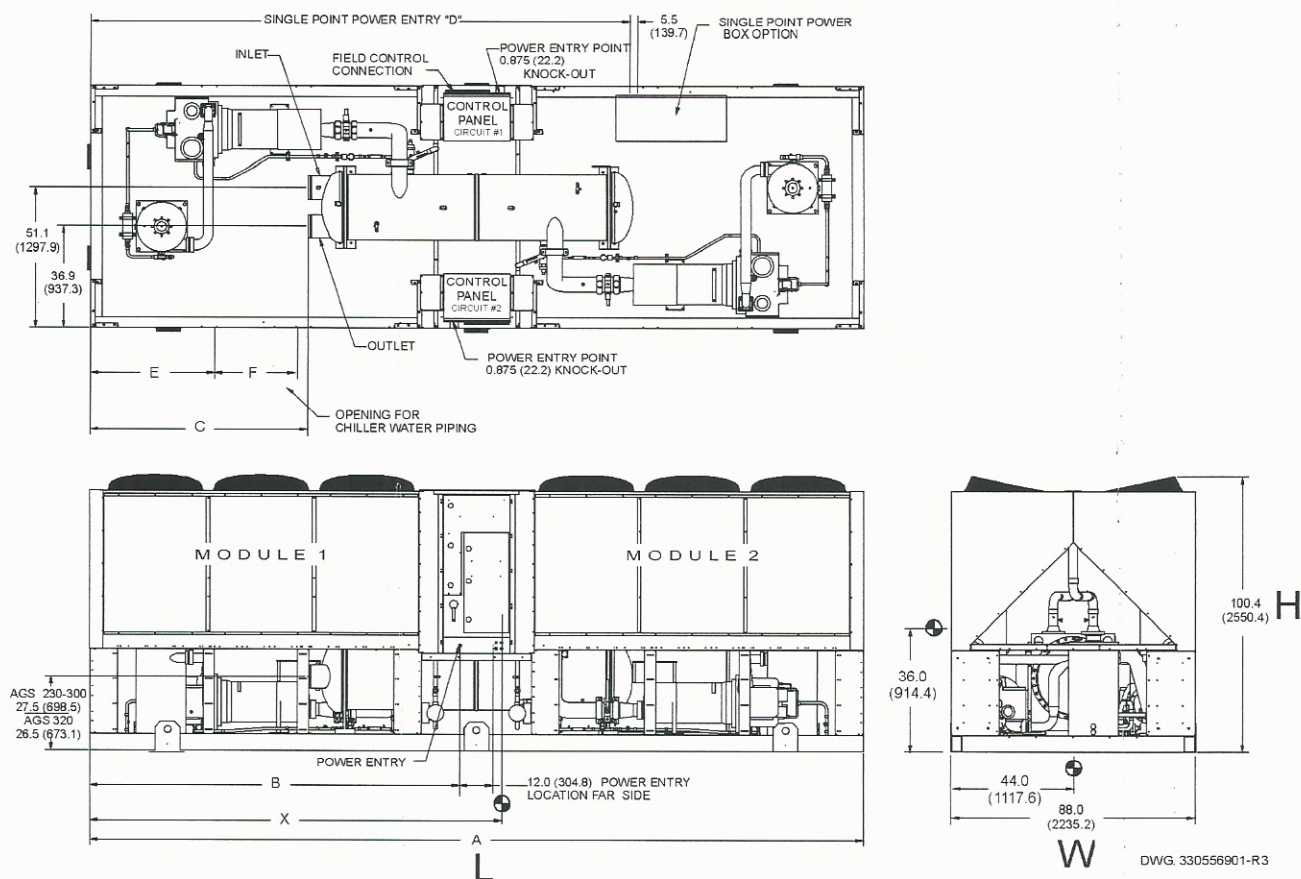


Dimensions, AGS

Figure 7, Dimensions, AGS 230B – AGS 320B

Note: See page 37 for lifting locations, mounting locations, weights and mounting loads.



NOTES:

1. Chilled water piping must enter and exit the unit platform in the opening between the base rail and the bottom of the condenser coil as shown in the plan view above.
2. Victaulic connections are standard. Flanged connection available as an option. Mating flange is field-supplied.

AGS Unit Size	Dimensions inches (mm)				Water Piping inches (mm)		Connection Sizes inches (mm)	Center of Gravity in. (mm)	Fan Modules		
	A	B	C	D	E	F			No. of Fans	1	2
AGS 230	278.8 (7081.5)	133.4 (3388.4)	78.4 (1991.4)	192.6 (4892.0)	44.8 (1137.4)	30.0 (762.8)	8 (203.2)	139 (3531)	12 Fan	6	6
AGS 250	316.9 (8049.3)	133.4 (3388.4)	78.4 (1991.4)	192.6 (4892.6)	44.8 (1137.4)	30.0 (762.8)	8 (203.2)	146 (3708)	14 Fan	6	8
AGS 270-320	355.2 (9022.1)	171.6 (4358.6)	116.6 (2961.6)	230.8 (5862.3)	80.9 (2054.8)	31.4 (797.6)	8 (203.2)	177 (4496)	16 Fan	8	8

Physical Data

Table 20, Physical Data, AGS 230B – AGS 270B

DATA	AGS MODEL NUMBER					
	230B		250B		270B	
	Ckt 1	Ckt 2	Ckt 1	Ckt 2	Ckt 1	Ckt 2
BASIC DATA						
Unit Cap. @ ARI Conditions, tons (kW)	220.5 (774)		243.9 (856)		267.5 (939)	
Unit Operating Charge lbs (kg)	298 (135)	298 (135)	298 (135)	321 (145)	321 (145)	321 (145)
Cabinet Dimensions L x W x H, in. (mm)	278 x 88 x 100 (7087 x 2235 x 2550)		317 x 88 x 100 (8052 x 2235 x 2550)		355 x 88 x 100 (9017 x 2235 x 2550)	
Unit Operating Weight (1), lbs. (kg)	16285 (7394)		17301 (7855)		18319 (8317)	
Unit Shipping Weight (1), lbs (kg)	15862 (7201)		16877 (7662)		17895 (8124)	
COMPRESSORS, SCREW, SEMI-HERMETIC						
Nominal Capacity, tons (kW)	100 (350)	100 (350)	100 (350)	125 (437)	125 (437)	125 (437)
CONDENSERS, HIGH EFFICIENCY FIN AND TUBE TYPE WITH INTEGRAL SUBCOOLER						
Coil Face Area, ft ² . (m ²)	159 (14.8)	159 (14.8)	159 (14.8)	213 (19.8)	213 (19.8)	213 (19.8)
Fins Per Inch x Rows Deep	16 x 3	16 x 3	16 x 3	16 x 3	16 x 3	16 x 3
CONDENSER FANS, DIRECT DRIVE PROPELLER TYPE						
No. of Fans -- Fan Dia., in. (mm)	12 – 30 (762)		14 – 30 (762)		16 – 30 (762)	
No. of Motors -- hp (kW)	12 – 2 (1.5)		14 – 2 (1.5)		16 – 2 (1.5)	
Fan & Motor RPM, 60Hz	1140		1140		1140	
60 Hz Fan Tip Speed, fpm	8954		8954		8954	
60 Hz Total Unit Airflow, cfm (l/s)	129,600		151,200		172,800	
EVAPORATOR, FLOODED SHELL AND TUBE						
Shell Dia.-Tube Length in.(mm) - in. (mm)	24 (610) – 96 (2438)		24 (610) – 96 (2438)		24 (610) – 96 (2438)	
Evaporator R-134a Charge lbs (kg)	182 (37)	182 (37)	182 (37)	182 (37)	182 (37)	182 (37)
Water Volume, gallons (liters)	48 (182)		48 (182)		48 (182)	
Max. Water Pressure, psi (kPa)	150 (1034)		150 (1034)		150 (1034)	
Max. Refrigerant Press., psi (kPa)	200 (1379)		200 (1379)		200 (1379)	

NOTE: 1. Add 158 lbs (72 kg) per fan for copper fin coils.

Table 21, Physical Data, AGS 300B – AGS 320B

DATA	AGS MODEL NUMBER			
	300B		320B	
	Ckt 1	Ckt 2	Ckt 1	Ckt 2
BASIC DATA				
Unit Cap. @ ARI, tons (kW)	283.1 (994)		300.9 (1056)	
Unit Operating Charge lbs (kg)	335 (152)	335 (152)	360 (163)	360 (163)
Cabinet Dimensions L x W x H, in. (mm)	355 x 88 x 100 (9017 x 2235 x 2550)		355 x 88 x 100 (9017 x 2235 x 2550)	
Unit Operating Weight (1), lbs. (kg)	18447 (8375)		18787 (8266)	
Unit Shipping Weight(1), lbs (kg)	17995 (8170)		18272 (8295)	
COMPRESSORS, SCREW, SEMI-HERMETIC				
Nominal Capacity, tons (kW)	125 (437)	150 (525)	150 (525)	150 (525)
CONDENSERS, HIGH EFFICIENCY FIN AND TUBE TYPE WITH INTEGRAL SUBCOOLER				
Coil Face Area, ft ² . (m ²)	213 (19.8)	213 (19.8)	213 (19.8)	213 (19.8)
Fins Per Inch x Rows Deep	16 x 3	16 x 3	16 x 3	16 x 3
CONDENSER FANS, DIRECT DRIVE PROPELLER TYPE				
No. of Fans -- Fan Dia., in. (mm)	16 – 30 (762)		16 – 30 (762)	
No. of Motors -- hp (kW)	16 – 2 (1.5)		16 – 2 (1.5)	
Fan & Motor RPM, 60Hz	1140		1140	
60 Hz Fan Tip Speed, fpm	8954		8954	
60 Hz Total Unit Airflow, cfm (l/s)	172,800		172,800	
EVAPORATOR, FLOODED SHELL AND TUBE				
Shell Dia.-Tube Length in.(mm) - in. (mm)	24 (610) – 96 (2438)		26 (660) – 96 (2438)	
Evaporator R-134a Charge lbs (kg)	196 (89)	196 (89)	221 (100)	221 (100)
Water Volume, gallons (liters)	51 (195)		59 (221)	
Max. Water Pressure, psi (kPa)	150 (1034)		150 (1034)	
Max. Refrigerant Press., psi (kPa)	200 (1379)		200 (1379)	

NOTE: 1. Add 158 lbs (72 kg) per fan for copper fin coils.