

PERFORMANCE & DATA RECAP (HYBRID SYSTEM DESIGN CRITERIA)																			
AVX-B SERIES SCREW CHILLER - (VFD DRIVEN)																			
MODEL SIZE	Hybrid	COMPRESSOR				AHRI	NPLV DATA			WATER DATA			SOUND	ELECTRICAL				PHYSICAL	
	NET TONS	QTY	TYPE	CONTROL	Unloading Standard - w/ HGBP	IPLV (EER)	Duty Point (EER)	NPLV (EER)	50%@65°F amb NPLV(EER)	EWT/ LWT (Deg °F)	WATER (GPM)	P.D. (Ft HD)	dB(A)	Voltage Phase	RLA (AMPS)	MCA (AMPS)	MOP (AMPS)	L x W x H (INCHES)	WGT LBS. (OPER.)
115S	119.6	1	Vert Screw	VFD	25-12.5 %	17.14	8.77	16.87	19.11	66/50	179.6	9.33	66	460-3	248	301	500	207 x 89 x 88	9,560
140S	145.3	1	Vert Screw	VFD	25-12.5 %	17.59	9.00	17.26	18.93	66/50	218.2	9.86	66	460-3	292	356	600	207 x 89 x 88	9,692
170S	176.2	1	Vert Screw	VFD	25-12.5 %	17.26	8.89	17.03	19.67	66/50	165.4	10.3	66	460-3	358	436	700	253 x 89 x 88	11,434
200S	207.8	1	Vert Screw	VFD	25-12.5 %	17.13	8.41	16.91	19.52	66/50	311.9	10.8	66	460-3	446	543	800	298 x 89 x 88	13,267
225S	232.8	1	Vert Screw	VFD	25-12.5 %	17.51	8.39	17.33	19.85	66/50	349.5	10.8	66	460-3	499	610	1000	298 x 89 x 88	13,849
225T	233.6	2	Vert Screw	VFD	12.5-8.0 %	17.16	8.62	16.94	19.64	66/50	350.7	9.78	68	460-3	489	543	700	335 x 89 x 88	18,562
250T	259.5	2	Vert Screw	VFD	12.5-8.0 %	17.38	8.59	17.20	19.56	66/50	389.5	2.99	68	460-3	547	605	800	380 x 89 x 88	20,571
265S	273.2	1	Vert Screw	VFD	25-12.5 %	17.72	8.66	17.54	20.38	66/50	410.1	10.3	68	460-3	568	693	1000	352 x 89 x 88	17,028
280T	288.4	2	Vert Screw	VFD	12.5-8.0 %	17.74	8.72	17.45	19.78	66/50	433.0	11.3	68	460-3	596	661	800	380 x 89 x 88	20,561
300S	309.2	1	Vert Screw	VFD	25-12.5 %	17.22	8.63	16.98	19.56	66/50	464.1	11.3	66	460-3	645	787	1200	400 x 89 x 88	18,488
300T	not available																		
330T	344.8	2	Vert Screw	VFD	12.5-8.0 %	17.24	8.77	16.97	16.97	66/50	517.6	10.4	68	460-3	707	785	1000	426 x 89 x 88	23,342
350T	370.7	2	Vert Screw	VFD	12.5-8.0 %	17.05	8.63	16.79	16.79	66/50	556.4	10.6	68	460-3	774	858	1000	471 x 89 x 88	22,975
380T	395.3	2	Vert Screw	VFD	12.5-8.0 %	17.99	9.04	17.69	17.69	66/50	593.4	11.9	68	460-3	787	874	1200	471 x 89 x 88	22,639
400T	424.7	2	Vert Screw	VFD	12.5-8.0 %	17.83	8.87	17.54	17.54	66/50	637.5	13.6	68	460-3	859	955	1200	471 x 89 x 88	22,872
470M	487.5	2	Vert Screw	VFD	12.5-8.0 %	17.95	8.95	17.67	17.67	66/50	731.7	14.9	68	460-3	980	1083	1200	563 x 89 x 88	27,904

- NOTES:
1. Ambient conditions @ 115 °F @ Sea Level
 2. Ratings @ with 100% water (no glycol)
 3. dB(A) - Sound Pressure Level (free field) +- 2dB(A) Tolerance
 4. Sound data is for standard unit. Lower level sound packages are available
 5. Chiller ratings with VFD driven compressor
 6. Net Tons at indicated are for NPLV conditions
 7. Water Pressure drops are base upon selected GPM
 8. Selections are with Shell & Tube Evaporator
 9. Meets ASHRAE 90.1-2016 Path A & B chiller minimum efficiency guidelines
 10. Performance in accordance with AHRI Air Cooled Water Chilling Packages AHRI Standard 550/590(I-P) and Standard 551/591 (S)

11. IPLV Ratings are for AHRI Conditions @ 95 °F & 54/44 EWT/LWT
12. NPLV Ratings are Non-Standard conditions@ 115°F & 66/50 EWT/LWT
12. Efficiencies are based upon Plate & Frame Heat Exchanger
11. HGBP Unloading is approximately 50% of the smallest compressor capacity
13. HGBP valve installed on lead compressor for low load conditions
14. Alternate Shell & Tube Evaporators are available
15. All information subject to change at any time
16. Information was correct at the time of publish
17. All electrical systems are built for design conditions
18. Electrical Data **will change** with higher ambient conditions



VERTICAL SCREW CHILLER

New Improved, Enhance & Extended capacity range of 192mm and 226mm compressor series

- Unique Patented Screw compressor technology
- High reliability and stability
- Excellent Performance And Operation Cost Efficiency



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