

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	131	1	Vert Screw	VFD	25-12.5 %	17.14	10.64	17.82	19.89	66/50	196.9	11.0	66	460-3	216	261	400	207 x 89 x 88	9,560
140S	159	1	Vert Screw	VFD	25-12.5 %	17.59	10.93	18.25	19.71	66/50	239.2	11.6	66	460-3	254	308	500	207 x 89 x 88	9,692
170S	193	1	Vert Screw	VFD	25-12.5 %	17.26	10.73	17.92	20.31	66/50	289.9	12.1	66	460-3	314	380	600	253 x 89 x 88	11,434
200S	229	1	Vert Screw	VFD	25-12.5 %	17.13	10.45	17.75	20.07	66/50	344.1	12.9	66	460-3	382	463	700	298 x 89 x 88	13,267
225S	257	1	Vert Screw	VFD	25-12.5 %	17.51	10.43	17.17	20.40	66/50	385.5	12.9	66	460-3	427	520	800	298 x 89 x 88	13,849
225T	257	2	Vert Screw	VFD	12.5-8.0 %	17.16	10.42	17.84	20.29	66/50	384.6	11.6	68	460-3	428	473	600	335 x 89 x 88	18,562
250T	285	2	Vert Screw	VFD	12.5-8.0 %	17.38	10.37	18.10	20.21	66/50	427.3	3.53	68	460-3	479	529	700	380 x 89 x 88	20,571
265S	301	1	Vert Screw	VFD	25-12.5 %	17.72	10.83	18.38	20.93	66/50	452.4	12.2	68	460-3	483	588	1000	352 x 89 x 88	17,028
280T	318	2	Vert Screw	VFD	12.5-8.0 %	17.74	10.77	18.35	20.39	66/50	477.9	13.5	68	460-3	513	567	700	380 x 89 x 88	20,561
300S	341	1	Vert Screw	VFD	25-12.5 %	17.22	10.78	17.82	21.11	66/50	511.9	13.5	66	460-3	550	667	1000	400 x 89 x 88	18,488
300T	not available																		
330T	378	2	Vert Screw	VFD	12.5-8.0 %	17.24	12.47	18.86	20.69	66/50	567.4	12.3	68	460-3	551	609	800	426 x 89 x 88	23,342
350T	406	2	Vert Screw	VFD	12.5-8.0 %	17.05	10.39	17.68		66/50	610.0	12.5	68	460-3	680	752	1000	471 x 89 x 88	22,975
380T	433	2	Vert Screw	VFD	12.5-8.0 %	17.99	10.96	18.63		66/50	650.5	14.1	68	460-3	687	759	1000	471 x 89 x 88	22,639
400T	466	2	Vert Screw	VFD	12.5-8.0 %	17.83	10.73	18.47		66/50	698.9	16.1	68	460-3	751	833	1000	471 x 89 x 88	22,872
470M	534	2	Vert Screw	VFD	12.5-8.0 %	17.95	10.83	18.61		66/50	802.1	17.6	68	460-3	856	949	1200	563 x 89 x 88	27,904

- NOTES:
1. Ambient conditions @ 105 °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@ 105°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



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- Unique Patented Screw compressor technology
- High reliability and stability
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