

PERFORMANCE & DATA RECAP (HYBRID SYSTEM DESIGN CRITERIA)																			
ACHX- SERIES HORIZONTAL SCREW CHILLER - (VFD DRIVEN)																			
MODEL SIZE	Hybrid	COMPRESSOR				AHRI	NPLV DATA			WATER DATA			SOUND	ELECTRICAL				PHYSICAL	
	NET TONS		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.)
100T	106	2	Horz Screw	VFD	12.5%	13.60	11.55	14.54	14.02	66/50	181.2	3.88	66	460-3	166	183	250	198 x 89 x 94	8,144
120T	132	2	Horz Screw	VFD	12.5%	15.07	12.05	16.75	17.91	66/50	181.6	12.6	66	460-3	197	217	250	198 x 89 x 94	8,744
140T	148	2	Horz Screw	VFD	12.5%	14.83	11.46	15.76	16.41	66/50	260.7	11.8	66	460-3	230	255	350	198 x 89 x 94	9,076
160T	176	2	Horz Screw	VFD	12.5%	15.01	11.55	16.37	16.75	66/50	261.6	11.8	66	460-3	270	300	400	198 x 89 x 94	9,427
180T	194	2	Horz Screw	VFD	12.5%	14.06	11.90	15.68	15.77	66/50	262.3	10.8	66	460-3	292	323	400	288 x 89 x 94	11,376
200T	213	2	Horz Screw	VFD	12.5%	13.92	11.84	15.37	15.38	66/50	341.8	13.4	68	460-3	322	356	450	288 x 89 x 94	11,551
220T	239	2	Horz Screw	VFD	12.5%	14.00	11.46	14.79	14.27	66/50	342.6	13.3	68	460-3	371	410	500	288 x 89 x 94	12,129
240T	260	2	Horz Screw	VFD	12.5%	14.27	11.79	15.44	15.8	66/50	343.6	11.3	68	460-3	393	434	600	333 x 89 x 94	13,663
260T	285	2	Horz Screw	VFD	12.5%	13.78	11.72	15.27	15.81	66/50	426.5	13	68	460-3	434	480	600	379 x 89 x 94	15,375

- NOTES:
1. Ambient conditions @ 95 °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 (SI)

11. IPLV Ratings are for AHRI Conditions @ 95 °F & 54/44 EWT/LWT
12. NPLV Ratings are Non-Standard conditions@ 95°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



HORIZONTAL SCREW CHILLER



HORIZONTAL SCREW COMPRESSOR

