



Tecumseh Products Company

Hermetic Condensing Unit

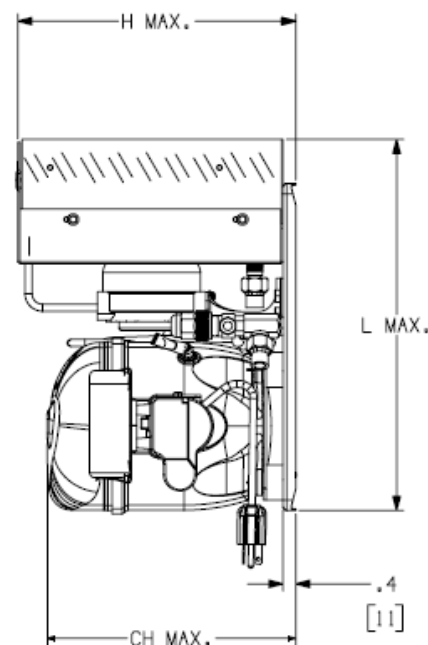
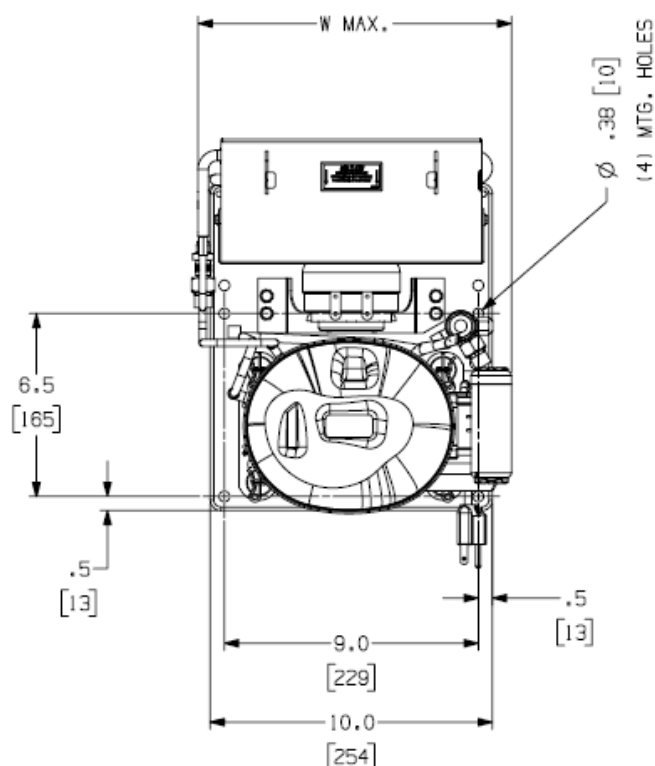


Model: AE4430Y-FZ1AXA

BoM: 2C408-1B

R-134a

1/4 HP



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AE4430Y-FZ1AXA	13.2	11.1	9.8	8.8	3/8" F	3/8" F	N/A	212	9.5	32

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

Evaporator T,		Ambient Temperatures											
		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
20	18.4	1636	289	115	1512	298	123	1405	307	131	1289	316	139
25	22.1	1802	307	118	1669	316	126	1554	325	134	1438	333	142
30	26.1	1975	325	121	1835	333	129	1702	342	137	1587	351	145
35	30.4	2149	342	125	2000	351	132	1860	360	140	---	---	---
40	35.0	2331	360	128	2174	377	136	2025	386	143	---	---	---
45	40.0	2512	386	132	2347	395	139	---	---	---	---	---	---
50	45.4	2702	404	136	---	---	---	---	---	---	---	---	---
55	51.2	2893	430	140	---	---	---	---	---	---	---	---	---

60 Hz Performance

Return gas temp. 65°F, 5°F sub cooling

Specifications/ Parts:

Unit Model	AE4430Y-FZ1AXA
Unit Bill of Material	2C408-1B
Refrigeration Range	20 F to 55° F
Design Pressure Low	150
Design Pressure High	450
Nominal Volts-Hz-Ph	220-240/50/1
Voltage Range	198-264
Min. Circuit Ampacity	2.9
Max. Fuse Size (amps)	15
Compressor Model	AE4430Y-FZ1A
Comp. Bill of Material	AE1232E-212-A4
Compressor RLA/LRA	2.1/11.5
Overload	830-10232
Relay	RP4208-ZR
Run Capacitor	N/A
Start Capacitor	85PS250D05

Fan Motor	810M006B56
Fan Motor RLA	0.23
Fan Blade	51567
Fan Shroud	70735-1
Fan Guard	N/A
Condenser	50801-6
Liquid Valve	N/A
Suction Valve	56533-4
Power Cord	85259-1
Unit Drawing	DGU1896-239
Wiring Diagram	91266-01
Replacement Kit: Relay	K71-78
Replacement Kit: O/L	K90-103
Replacement Kit: St. Cap	K146-32

Electrical Diagram

