



Tecumseh

Tecumseh Compressor Company Indoor Condensing Units

September 4, 2014
Revision: REL

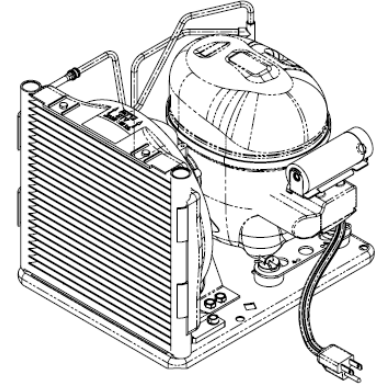
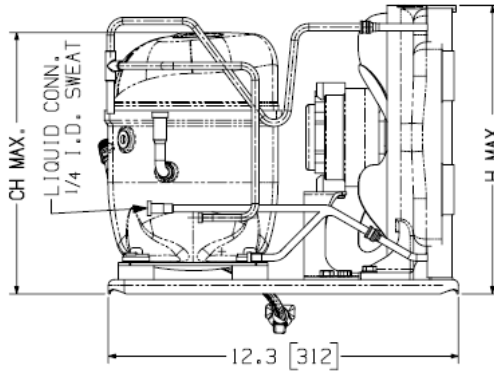
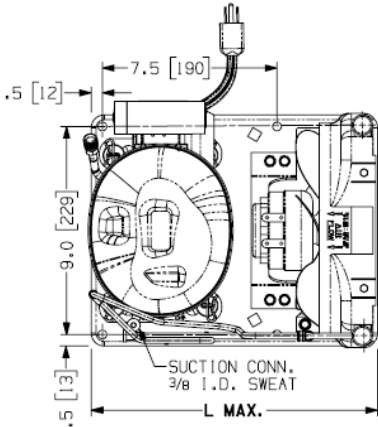
Model: AE4430Y-FZ1APG

BoM: 2D429-1

R-134A

1/4 HP

AIRCOOLED



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AE4430Y-FZ1APG	12.6	10.6	10.1	9.2	3/8" S	1/4" S	-	180	10	-

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting

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	214	371	102	1952	379	106	1782	385	116	1596	391	124
25	22.1	2352	393	107	2178	402	108	1991	409	118	1777	418	126
30	26.1	2606	417	111	2412	427	111	2207	435	120	1967	446	128
35	30.4	2878	442	114	2654	453	113	2429	464	122	2167	476	131
40	35.0	3167	468	116	2905	481	115	2657	494	124	2375	508	133
45	40.0	3473	497	117	3165	510	118	2892	526	127	2593	542	136
50	45.4	3795	526	117	3433	540	121	3134	559	129	2820	577	139
55	51.2	4135	558	116	3709	572	124	3381	595	131	3056	614	142

60 Hz Performance

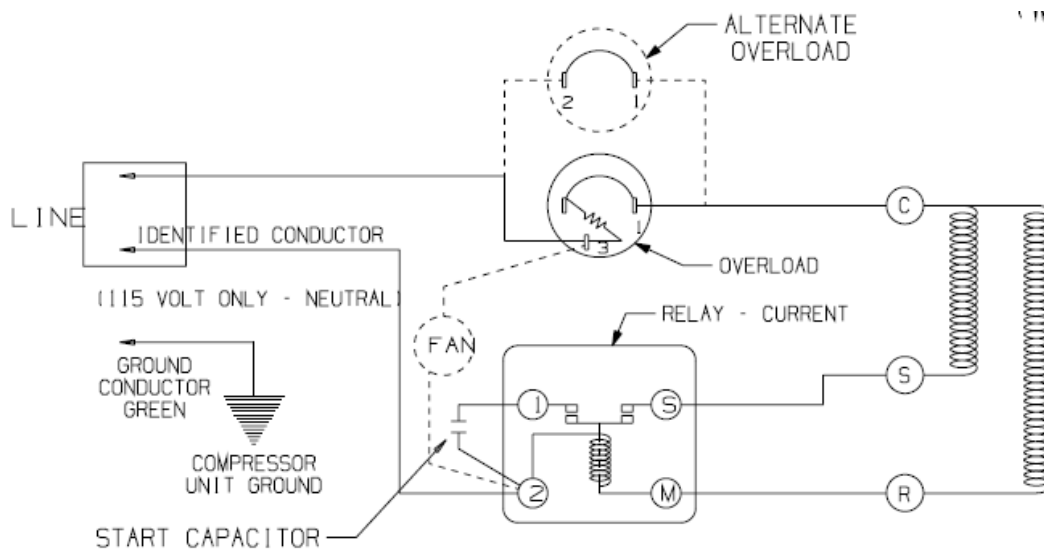
Return gas temp. 65°F. 5°F sub-cooling

Specifications/ Parts:

Model	AE4430Y-FZ1APG
Unit Bill of Material	2D429-1
Nominal Volts-Hz-Ph	220-240/50/1
Refrigeration Range	20° to 55°F
Design Pressure Low	150
Design Pressure High	350
Voltage Range	198 to 264
Min. Circuit Ampacity	2.9
Max. Fuse Size (amps)	15
Compressor Model	AE4430Y-FZ1A
Comp. Bill of Material	AE-1368-E
Compressor RLA/LRA	2.13 / 11.5
Overload	830-10232
Relay	RP4208-ZR
Run Capacitor	N/A
Run Capacitor Rating	N/A
Start Capacitor	85PS250D94
Start Capacitor Rating	47-56 MFD 250V VDE
Contactors	N/A
Unit Drawing	DGU1924-16
Wiring Diagram	DEAE2

Fan Motor	810M009C08
Fan Motor RLA	0.27
Fan Blade	51567
Fan Guard	N/A
Fan Shroud	71092
High Pressure Switch	N/A
Low Pressure Control	N/A
Condenser	50866
Receiver Tank	N/A
Liquid Valve	N/A
Liquid Filter *	N/A
Sight Glass *	N/A
Suction Valve *	N/A
Rotolock Valve Gasket	N/A
Discharge Valve	N/A
Suction Filter *	N/A
Accumulator *	N/A
Crankcase Heater	N/A
Defrost Timer	N/A
Fan Switch (s)	N/A
* = Equipped Units Only	
Solenoid Valve	N/A
Receiver Heater	N/A

Electrical Diagram



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CS1R
REF. DWG. MD-472-1