



Tecumseh

Celseon® Air Cooled Condensing Unit

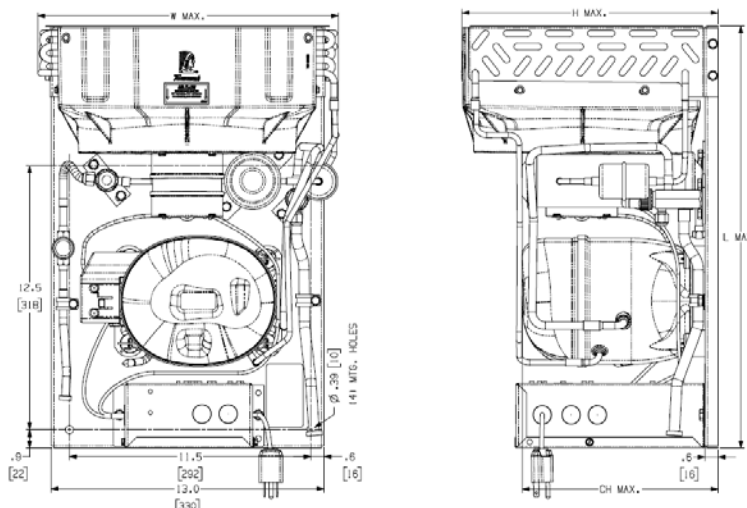


Model: AE4470Z-AA3CD*

BoM: 2G229-**

R-404A

1/2 HP



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AE4470Z-AA3CDA	20.0	14.3	12.1	9.3	3/8" S	1/4" S	N/A	270	9.5	45
AE4470Z-AA3CDG					1/2" S	3/8" S	2.7 lbs			47
AE4470Z-AA3CDH					1/2" S	3/8" S	N/A			45
AE4470Z-AA3CDK					3/8" S	1/4" S				45
AE4470Z-AA3CDC					1/2" S	3/8" S	2.7 lbs			47
AE4470Z-AA3CDS					1/2" S	3/8" S	N/A			45
AE4470Z-AA3CDJ					1/2" S	3/8" S	2.7 lbs			47
AE4470Z-AA3CDP					1/2" S	3/8" S	2.7 lbs			47

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

Ambient Temperatures

Evaporator T,		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
5	37.7	3912	745	103	3529	765	112	3146	785	121	2762	805	130
10	43.1	4296	784	106	3874	807	114	3452	829	123	3030	852	132
15	49.0	4688	824	108	4227	849	116	3766	874	125	3305	899	133
20	55.3	5089	864	110	4589	891	119	4089	918	127	3589	946	135
25	62.1	5498	903	113	4959	933	121	4420	963	129	3882	993	137
30	69.3	5915	943	115	5338	976	123	4760	1008	131	4183	1040	139
35	77.1	6341	983	118	5724	1018	126	5108	1053	134	4492	1088	142
40	85.4	6775	1023	120	6120	1060	128	5465	1098	136	---	---	---
45	94.2	7218	1063	123	6524	1103	130	5830	1143	138	---	---	---
50	103.6	7669	1103	125	6936	1145	133	6203	1188	141	---	---	---
55	113.6	8128	1143	128	7356	1188	135	---	---	---	---	---	---

60 Hz Performance

Return gas temp 40°F below 20°F evaporator,
and 65°F above 20° evap, 5°F sub cooling

Specifications/ Parts:

Unit Model	AE4470Z-AA3CDA
Unit Bill of Material	2G229-09
Refrigeration Range	5° F to 55° F
Design Pressure Low	181
Design Pressure High	450
Nominal Volts-Hz-Ph	115/60/1
Voltage Range	103-127
Min. Circuit Ampacity	12.1
Max. Fuse Size (amps)	20
Compressor Model	AE4470Z-AA3C
Comp. Bill of Material	AE1184E-677-J7
Compressor RLA/LRA	9/48
Overload	830-10081
Relay	8200RVAM24
Run Capacitor	85PR370F17
Start Capacitor	85PS165C99
Fan Motor	810-10097
Fan Motor RLA	.85
Fan Blade	515-10003
Fan Shroud/Guard Combo	707-00005
Condenser	506-10008
Unit Drawing	DGU1972-01
Wiring Diagram	91266-02
Replacement Kit: Relay	K71-52
Replacement Kit: O/L	K90-72
Replacement Kit: St. Cap	K146-28

Unit Model	AE4470Z-AA3CDG
Unit Bill of Material	2G229-19
Receiver Tank	510-10000
Liquid Valve	56659
Suction Valve	56663
Unit Model	AE4470Z-AA3CDH
Unit Bill of Material	2G229-29
Liquid Valve	56659
Suction Valve	56663
Unit Model	AE4470Z-AA3CDK
Unit Bill of Material	2G229-39
Power Cord	85106-22
Unit Model	AE4470Z-AA3CDC
Unit Bill of Material	2G229-59
Receiver Tank	510-10000
Liquid Valve	56659
Suction Valve	56663
Power Cord	85106-22
Unit Model	AE4470Z-AA3CDS
Unit Bill of Material	2G229-69
Liquid Valve	56659
Suction Valve	56663
Power Cord	85106-22
Unit Model	AE4470Z-AA3CDJ
Unit Bill of Material	2G229-79
Receiver Tank	510-10000
Liquid Valve	56659
Suction Valve	56663
Filter Drier	71116
Sight Glass	70084
Unit Model	AE4470Z-AA3CDP
Unit Bill of Material	2G229-89
Receiver Tank	510-10000
Liquid Valve	56659
Suction Valve	56663
Power Cord	85106-22
Filter Drier	71116
Sight Glass	70084

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