



Indoor Condensing Unit

Technical Data Sheet

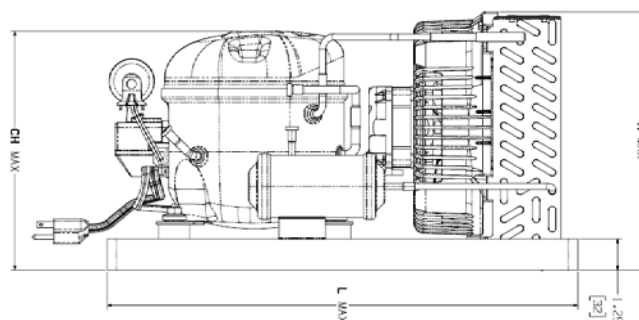
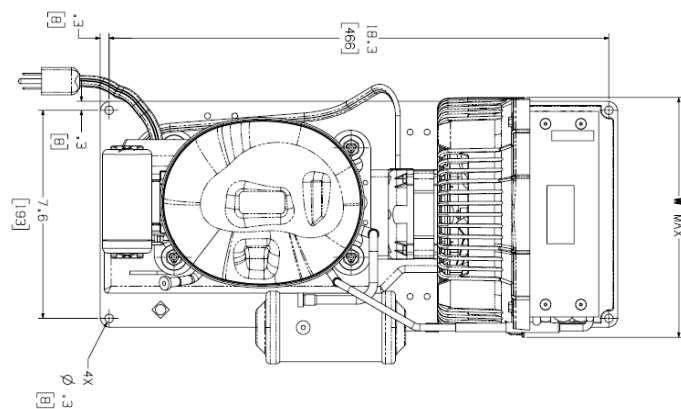


Model: AE4440Y-AA1AGB

BoM: 33Y360-4TU

R-134a / R-513A

1/3 HP



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AE4440Y-AA1AGB	19.0	9.75	10.4	10.0	5/16" S	1/4" S	2.09	240	9.5	40

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

		R-134a Performance											
		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
20	18.4	2560	413	108	2360	433	116	2160	443	125	1990	453	134
25	22.1	2810	443	111	2610	453	120	2400	473	128	2210	493	137
30	26.1	3080	473	115	2860	493	123	2640	503	132	2420	533	140
35	30.4	3350	503	118	3110	523	127	2870	543	135	2620	573	143
40	35.0	3630	543	122	3370	563	130	3110	593	139	---	---	---
45	40.0	3920	583	126	3620	613	134	3340	670	142	---	---	---
50	45.4	4220	623	130	3890	690	138	---	---	---	---	---	---

		R-513A Performance											
		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
20	22.4	2510	466	113	2306	478	121	2102	491	130	1898	504	138
25	26.4	2676	491	116	2439	505	124	2203	520	133	1966	535	141
30	30.6	2903	521	120	2633	538	128	2363	555	136	---	---	---
35	35.2	3190	556	123	2887	575	132	2584	594	140	---	---	---
40	40.1	3536	596	127	3200	617	135	---	---	---	---	---	---
45	45.4	3943	640	132	3574	664	140	---	---	---	---	---	---
50	51.0	4409	690	136	---	---	---	---	---	---	---	---	---

60 Hz Performance

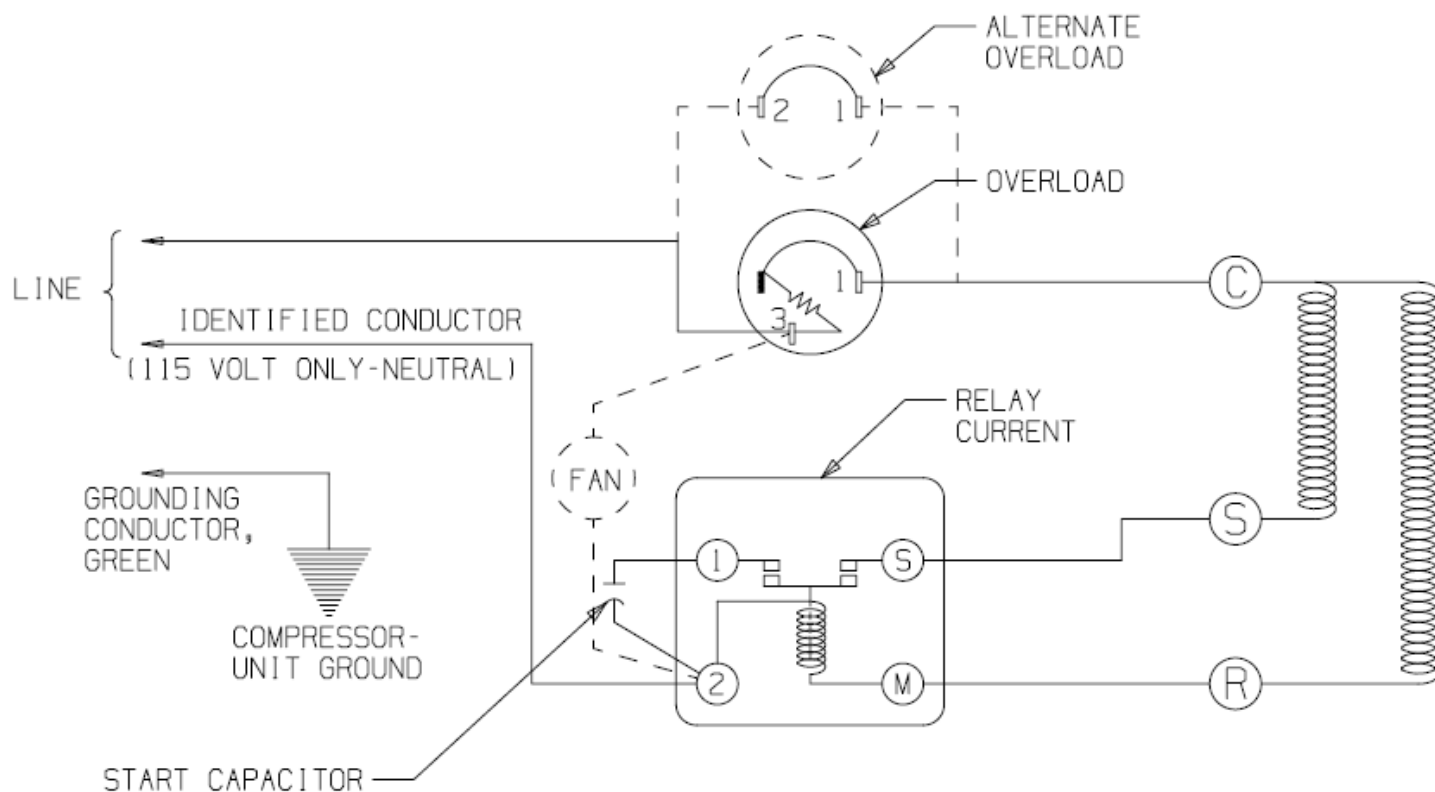
Return gas temp. 65°F, 5°F sub cooling

Specifications/ Parts:

Unit Model	AE4440Y-AA1AGB
Unit Bill of Material	33Y360-4TU
Refrigeration Range	20 F to 55° F
Design Pressure Low	150
Design Pressure High	450
Nominal Volts-Hz-Ph	115/60/1
Voltage Range	103-127
Min. Circuit Ampacity	7.86
Max. Fuse Size (amps)	15
Compressor Model	AE4440Y-AA1A
Comp. Bill of Material	AE1022E-212-J7
Compressor RLA/LRA	5.82/32
Overload	830-10024
Relay	820-10031
Run Capacitor	N/A
Start Capacitor	85PS165D64

Fan Motor	810L009B96
Fan Motor RLA	0.58
Fan Blade	51578
Fan Shroud	N/A
Fan Guard	116-003P
Condenser	50734-G04
Receiver Tank	51085-1H
Liquid Valve	N/A
Suction Valve	N/A
Power Cord	N/A
HP Switch	N/A
Unit Drawing	DGBU-062TU
Wiring Diagram	MD472-1
Replacement Kit: Relay	K71-36
Replacement Kit: O/L	K90-56
Replacement Kit: St. Cap	K146-55

Electrical Diagram



115 OR 230 V SCHEMATIC WIRING DIAGRAM - CS1R