



Tecumseh

Tecumseh Compressor Company

Indoor Condensing Units

August 18, 2014
Revision: REL

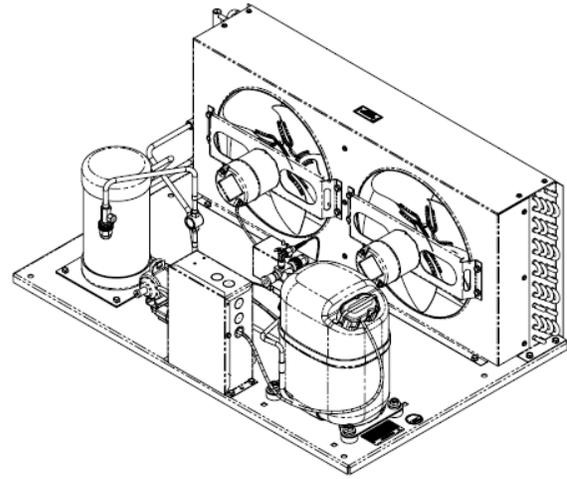
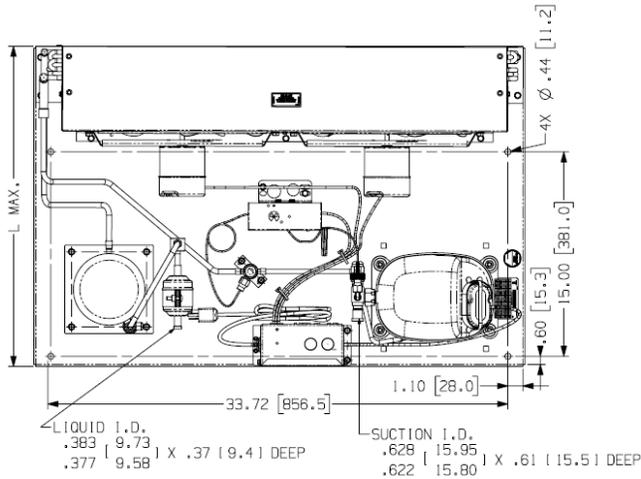
Model: AJA7512ZDXC

BoM: 2B3276-1

R-404A

1.5 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.
AJA7512ZDXC	36.0	23.5	15.1	12.1	5/8" S	3/8" S	10.53 lbs	1200	26.44	---

* 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
-10	23.2	6560	1331	91	6066	1327	100	5222	1324	109	4429	1320	118
-5	28.1	7915	1419	92	6956	1428	101	6047	1437	110	5187	1445	119
0	32.8	8920	1507	94	7892	1527	103	6913	1548	112	5982	1569	121
5	37.9	9967	1592	95	8867	1626	104	7813	1659	113	6806	1692	122
10	43.3	11049	1677	97	9872	1722	105	8740	1768	115	7652	1813	123
15	49.1	12158	1760	98	10900	1818	107	9686	1876	116	8513	1933	125
20	55.5	13283	1842	100	11941	1912	109	10640	1982	118	9378	2052	126
25	62.2	---	---	---	12985	2005	110	11594	2088	119	10239	2170	128
30	69.5	---	---	---	---	---	---	---	---	---	11084	2286	129

60 Hz Performance

Return gas temp. 40°F Evaporator Temp. 20°F or less, 5°F sub-cooling
Return gas temp. 65°F for Evaporator Temp. > 20°F, 5°F sub-cooling

Specifications/ Parts:

Model	AJA7512ZDXC
Unit Bill of Material	2B3276-1
Nominal Volts-Hz-Ph	208-230-60-1
Refrigeration Range	-10° to 30°F
Design Pressure Low	181
Design Pressure High	450
Voltage Range	180 to 254
Min. Circuit Ampacity	13.1
Max. Fuse Size (amps)	20
Compressor Model	AJA7494ZXD
Comp. Bill of Material	AJ202ET-188-P21
Compressor RLA/LRA	8.9 / 54
Overload	INTERNAL
Relay	8200RVAM25
Run Capacitor	85PR370F20
Run Capacitor Rating	25MFD 370V(M) VDE
Start Capacitor	85PS250B87
Start Capacitor Rating	216-259 MFD 250V VDE
Contactors	N/A
Unit Drawing	DGU1893-92
Wiring Diagram	91267-01

Fan Motor	810-10012 (2)
Fan Motor RLA	0.8 Each
Fan Blade	515-10005 (2)
Fan Guard	570-10001 (2)
Fan Shroud	707-10001
Dual Pressure Control	14955206
Condenser	506-10007
Receiver Tank with Valve	510-10004
Liquid Filter	70081
Sight Glass	70084
Suction Valve	31529-1
Rotolock Valve Gasket	30233
Discharge Valve	56630-A
Suction Filter *	N/A
Accumulator *	N/A
Crankcase Heater	N/A
Defrost Timer *	N/A
* = Equipped Units Only	

Electrical Diagram

