



Indoor Condensing Unit Technical Datasheet

JULY 23, 2021
Revision: REL

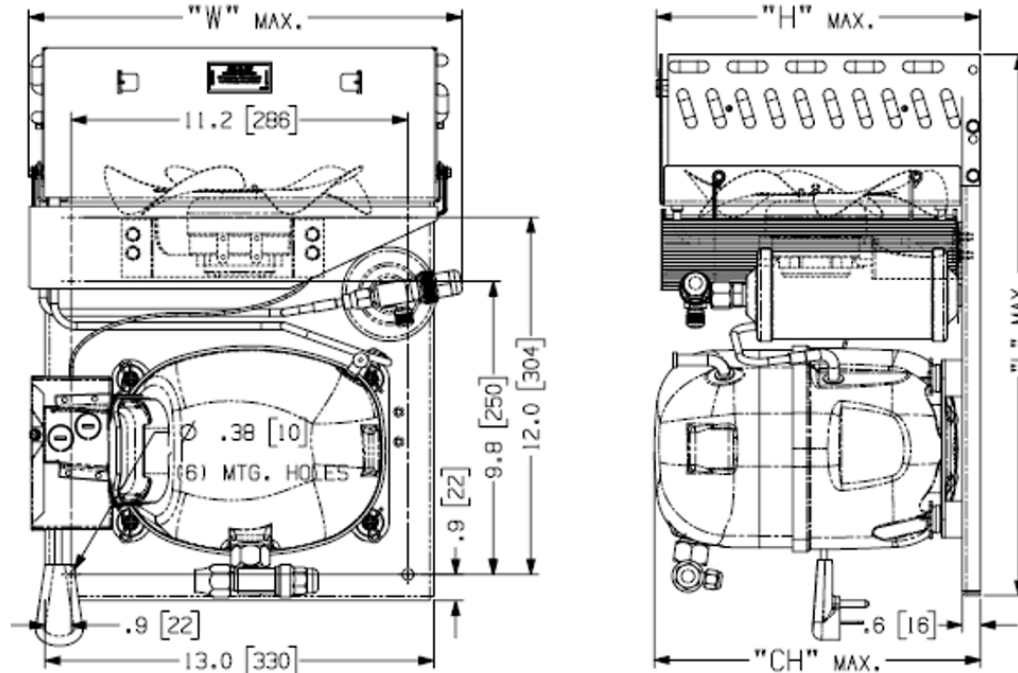
Model: AJ2422Z-XA1CEC

BoM: 29D256-1

R-404A

1/2 HP

Air Cooled



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil	Gr.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Ch	Wt.
AJ2422Z-XA1CEC	18.5	14.5	11.1	11.1	1/2" F	1/4" F	2.02 lbs	290	16	76

* 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		Ambient Temperatures								
		90°F			100°F			110°F		
°F	PSIG	BTU/H	Watts	Cond T	BTU/H	Watts	Cond T	BTU/H	Watts	Cond T
-30	9.9	1290	485	102	1060	475	111	875	460	119
-25	13.0	1500	530	105	1270	425	113	1070	510	121
-20	16.3	1710	575	107	1475	575	115	1270	565	124
-15	19.5	1950	625	110	1680	625	118	1450	615	126
-10	24.0	2180	675	113	1885	675	120	1640	670	128
-5	28.3	2420	725	115	2090	725	122	1810	725	130
0	33.0	2660	780	119	2330	785	126	1980	785	134
5	38.1	2910	835	121	2535	845	129	2140	850	136
10	42.4	3160	895	122	2740	905	133	2300	915	139

60 Hz Performance

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

Specifications/ Parts:

Model	AJ2422Z-XA1CEC
Unit Bill of Material	29D256-1
Nominal Volts-Hz-Ph	115/60/1
Refrigeration Range	-40° F to +10° F
Design Pressure Low	181
Design Pressure High	450
Voltage Range	103 to 127
Min. Circuit Ampacity	11.3
Max. Fuse Size (amps)	15
Compressor Model	AJ2419Z-XA1A
Comp. Bill of Material	AJ2ZA1AF740P00-M
Compressor RLA/LRA	8.6 / 49.0
Overload	571653
Relay	8200RVAM20
Start Capacitor	85PS165E26
Replacement Kit: O/L	K90-163
Replacement Kit: Relay	K71-18
Replacement Kit: Start Cap	K146-58
Unit Drawing	DGU1758-83
Wiring Diagram	90657-7

Fan Motor	810M009C09
Fan Motor RLA	0.53
Fan Blade	51564-1
Fan Shroud	70766-1
Low Pressure Control	N/A
Dual Pressure Control	N/A
Condenser	50803-2
Receiver Tank	51080-1
Liquid Valve	31584-1
Suction Valve	31547-7
Power Cord	85106-21

Electrical Diagram

