

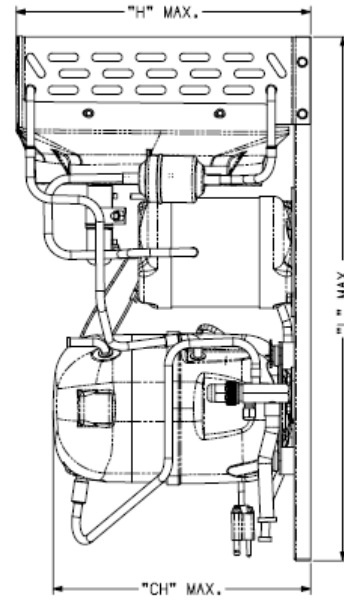
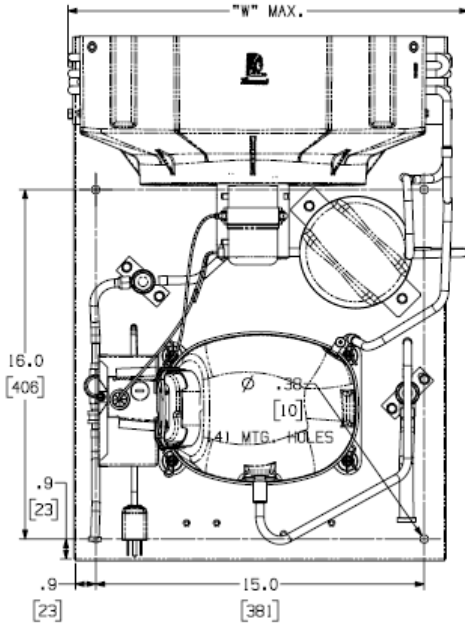


**Tecumseh**

# Indoor Condensing Unit Technical Datasheet

May 19, 2021  
Revision: REL

**Model: AJ7480Z-NA3AD\*    BoM: 29G1010-\*\*    R-404A    1 HP    AIR COOLED**



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AJ7480Z-NA3ADG	24.0	18.3	13.4	11.8	5/8" S	3/8" S	5.93 lbs	270	16	76
AJ7480Z-NA3ADH					5/8" S	3/8" S	N/A			77
AJ7480Z-NA3ADC					5/8" S	3/8" S	5.93 lbs			76
AJ7480Z-NA3ADJ					5/8" S	3/8" S	5.93 lbs			76
AJ7480Z-NA3ADP					5/8" S	3/8" S	5.93 lbs			77

\* 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 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	24.3	5243	1291	104	4586	1293	112	3921	1265	120	3284	1244	128
-5	28.9	5892	1406	107	5181	1415	115	4449	1389	123	3779	1357	131
0	33.4	6524	1519	111	5762	1539	118	4963	1518	126	4251	1487	133
5	39.0	7140	1637	114	6328	1667	121	5463	1651	129	4701	1636	136
10	43.9	7739	1759	117	6880	1798	125	5950	1788	132	5129	1803	139
15	49.8	8322	1886	121	7417	1932	128	6424	1930	135	5535	1988	142
20	56.1	8888	2018	124	7940	2070	131	6883	2076	138	---	---	---
25	62.9	9439	2155	127	8448	2210	134	7329	2226	141	---	---	---
32	72.5	10181	2354	132	9136	2412	139	---	---	---	---	---	---
35	77.9	10490	2443	134	9422	2501	141	---	---	---	---	---	---

### 60 Hz Performance

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

**Specifications/ Parts:**

<b>Unit Model</b>	<b>AJA7480ZNAD*</b>
<b>Unit Bill of Material</b>	<b>2G1010-**</b>
Refrigeration Range	-10° F to +30° F
Design Pressure Low	181
Design Pressure High	450
Nominal Volts-Hz-Ph	208-230/60/1
Voltage Range	187 to 254
Min. Circuit Ampacity	17.8
Max. Fuse Size (amps)	30
Compressor Model	AJ7494Z-XD3A
Comp. Bill of Material	AJ7ZP1DF846J70
Compressor RLA/LRA	13.9/61
Overload	Internal
Relay	8200RVAM25
Run Capacitor	85PR370F20
Start Capacitor	85PS250B87
Fan Motor	810-10041
Fan Motor RLA	.47
Fan Blade	515-10001
Fan Shroud/Guard Combo	707-00002
Condenser	506-00002
Unit Drawing	DGU1971-22
Wiring Diagram	91266-02
Replacement Kit: Relay	K71-16
Replacement Kit: O/L	Internal
Replacement Kit: St. Cap	K146-09
Replacement Kit: Run Cap	K150-07

<b>Unit Model</b>	<b>AJ7480Z-NA3ADG</b>
<b>Unit Bill of Material</b>	<b>29G1010-19</b>
Receiver Tank	510-10002
Liquid Valve	56659
Suction Valve	56660
<b>Unit Model</b>	<b>AJ7480Z-NA3ADH</b>
<b>Unit Bill of Material</b>	<b>29G1010-29</b>
Liquid Valve	56659
Suction Valve	56660
<b>Unit Model</b>	<b>AJ7480Z-NA3ADC</b>
<b>Unit Bill of Material</b>	<b>29G1010-59</b>
Receiver Tank	510-10002
Liquid Valve	56659
Suction Valve	56660
Power Cord	85259-7
<b>Unit Model</b>	<b>AJ7480Z-NA3ADJ</b>
<b>Unit Bill of Material</b>	<b>29G1010-79</b>
Receiver Tank	510-10002
Liquid Valve	56659
Suction Valve	56660
Filter Drier	70081
Sight Glass	70084
<b>Unit Model</b>	<b>AJ7480Z-NA3ADP</b>
<b>Unit Bill of Material</b>	<b>29G1010-89</b>
Receiver Tank	<b>510-10002</b>
Liquid Valve	56659
Suction Valve	56660
Power Cord	85259-7
Filter Drier	70081
Sight Glass	70084

# Electrical Diagram

