

# OP-MCNC0050RDF600B

## Air Cooled Condensing Unit

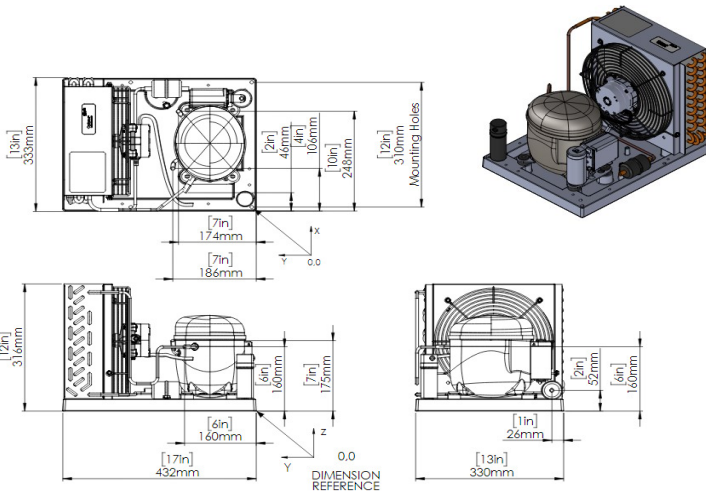
R290

115V / 60 Hz / 1 Ph

114N2094



### General Assembly Drawing



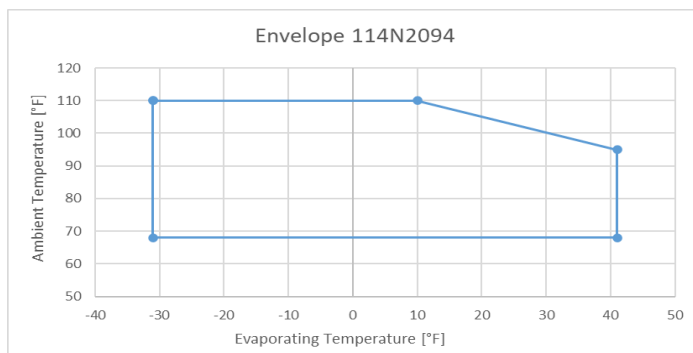
### Unit Details

Unit Code	114N2094
Unit Model	OP-MCNC0050RDF600B
Compressor Model	NLY12NRb
Refrigerant	R290
Application	LMBP
Power Supply	115V / 60 Hz / 1 Ph
Compressor LRA	42.00 A
Compressor FLA	5.50 A
Evaporating Range	From -30 °F to 40 °F *
Unit Dimensions (W x D x H)	17.2 in * 13.3 in * 12.5 in
Unit weight (Lb)	49.3
Compressor Code	123B3304
Condenser Code	119-8703
<b>*Rated Conditions ARI / LT / ET -10°F</b>	
Cooling capacity [BTU/h]	1964
Power consumption [kW]	0.416
EER Cooling [BTU/(W-h)]	4.72
Evaporating Temperature [°F]	-10
Ambient Temperature [°F]	90
Subcooling [°F]	0
Return Gas Temperature [°F]	40

### Performance Details (SH=18°F/ SC=0°F)

Ambient (°F)	Evaporating Temperature (°F)	-40	-30	-20	-10	0	10	20	30	40
80	Cooling Capacity [KW]	-	0.351	0.476	0.613	0.761	0.919	1.088	1.267	1.455
	Cooling Capacity [BTU/h]	-	1196	1623	2090	2595	3136	3712	4322	4965
	Power Consumption [W]	-	314	358	408	461	519	581	648	720
	EER (BTU-Hr./ Watts)	-	3.807	4.531	5.119	5.626	6.039	6.385	6.666	6.892
	Condensing Temperature [°F]	-	91.7	95.7	99.6	103.6	107.6	111.6	115.5	119.5
90	Cooling Capacity [KW]	-	0.321	0.435	0.560	0.698	0.846	1.005	1.175	1.355
	Cooling Capacity [BTU/h]	-	1095	1483	1911	2380	2886	3430	4009	4624
	Power Consumption [W]	-	318	365	416	471	531	595	664	737
	EER (BTU-Hr./ Watts)	-	3.441	4.060	4.591	5.050	5.432	5.761	6.034	6.270
	Condensing Temperature [°F]	-	101.2	105.0	108.9	112.7	116.5	120.3	124.2	128.0
95	Cooling Capacity [KW]	-	0.306	0.414	0.534	0.666	0.809	0.964	1.129	1.305
	Cooling Capacity [BTU/h]	-	1045	1413	1822	2273	2762	3289	3853	4453
	Power Consumption [W]	-	321	368	420	476	537	602	671	746
	EER (BTU/ Watts-Hr)	-	3.253	3.837	4.335	4.772	5.140	5.460	5.739	5.965
	Condensing Temperature [°F]	-	106.0	109.7	113.5	117.2	121.0	124.7	128.5	132.2
100	Cooling Capacity [KW]	-	0.292	0.394	0.508	0.635	0.773	0.923	1.083	-
	Cooling Capacity [BTU/h]	-	995	1343	1734	2166	2637	3148	3696	-
	Power Consumption [W]	-	323	372	425	481	543	608	679	-
	EER (BTU/ Watts-Hr)	-	3.079	3.608	4.077	4.500	4.853	5.174	5.440	-
	Condensing Temperature [°F]	-	110.8	114.5	118.1	121.8	125.4	129.1	132.7	-
105	Cooling Capacity [KW]	-	0.277	0.373	0.482	0.603	0.736	-	-	-
	Cooling Capacity [BTU/h]	-	945	1273	1645	2059	2513	-	-	-
	Power Consumption [W]	-	325	375	429	487	549	-	-	-
	EER (BTU/ Watts-Hr)	-	2.906	3.393	3.832	4.225	4.575	-	-	-
	Condensing Temperature [°F]	-	115.5	119.1	122.7	126.3	129.9	-	-	-

### Envelope Map



### Spare Part

Compressor	123B3304
Condenser	119-8703
Fan Motor	119-9247
Fan Blade	119-5672
Filter Drier	023Z5013
Compressor - Relay	123B9187
Compressor - Protector	123B9527
Compressor - Start Capacitor	123B9314
Compressor - Run Capacitor	123B9216
Packing Format	Multi Pack
Quantity	18
Revision	AF
Date	February 6, 2024