

# OP-MCNC0020RDF600B

## Air Cooled Condensing Unit

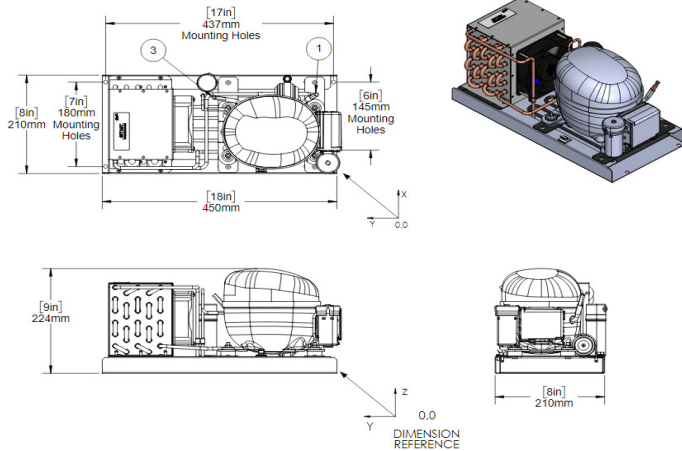
R290

115V / 60 Hz / 1 Ph

114N2092



### General Assembly Drawing



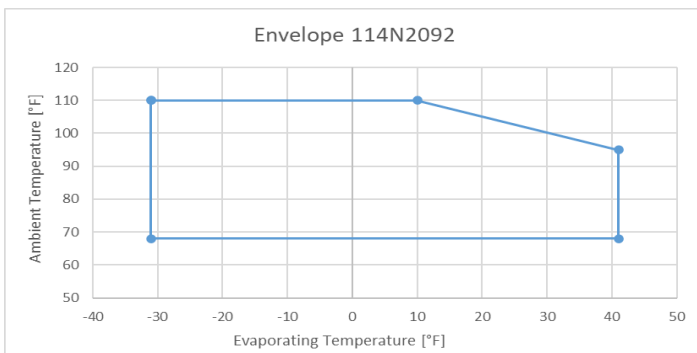
### Unit Details

Unit code	114N2092
Unit Model	OP-MCNC0020RDF600B
Compressor Model	NUT55LRb
Refrigerant	R290
Application	LMBP
Power Supply	115V / 60 Hz / 1 Ph
Compressor LRA	20.00 A
Compressor FLA	2.24 A
Evaporating Range	From -30 °F to 40 °F *
Unit Dimensions (W x D x H)	17.8 in * 8.8 in * 8.8 in
Unit weight (Lb)	38.3
Compressor Code	123B3148
Condenser Code	119-9240
<b>*Rated Conditions ARI / LT / ET -10°F</b>	
Cooling capacity [BTU/h]	1088
Power consumption [kW]	0.201
EER Cooling [BTU/(W-h)]	5.42
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]	-	0.209	0.273	0.342	0.417	0.496	0.581	0.671	0.764
	Cooling Capacity [BTU/h]	-	714.8	931.2	1167	1422	1694	1983	2288	2608
	Power Consumption [W]	-	158	174	193	214	237	263	292	324
	EER (BTU-Hr./ Watts)	-	4.521	5.348	6.043	6.641	7.143	7.535	7.831	8.044
	Condensing Temperature [°F]	-	94.6	98.9	103.1	107.4	111.6	115.9	120.1	124.4
90	Cooling Capacity [KW]	-	0.189	0.246	0.310	0.379	0.454	0.534	0.618	0.708
	Cooling Capacity [BTU/h]	-	644.5	840.9	1058	1294	1549	1821	2110	2416
	Power Consumption [W]	-	162	180	200	223	248	275	306	339
	EER (BTU-Hr./ Watts)	-	3.976	4.669	5.287	5.799	6.242	6.618	6.891	7.122
	Condensing Temperature [°F]	-	103.9	108.0	112.1	116.2	120.4	124.5	128.6	132.7
95	Cooling Capacity [KW]	-	0.179	0.233	0.294	0.361	0.433	0.510	0.592	0.680
	Cooling Capacity [BTU/h]	-	609.6	796.1	1003	1231	1476	1740	2021	2320
	Power Consumption [W]	-	164	183	204	227	253	281	312	346
	EER (BTU/ Watts-Hr)	-	3.715	4.348	4.914	5.420	5.830	6.188	6.473	6.701
	Condensing Temperature [°F]	-	108.5	112.5	116.6	120.6	124.7	128.7	132.8	136.8
100	Cooling Capacity [KW]	-	0.168	0.220	0.278	0.342	0.411	0.486	0.567	-
	Cooling Capacity [BTU/h]	-	574.8	751.4	949.1	1167	1404	1659	1933	-
	Power Consumption [W]	-	166	186	208	232	258	287	319	-
	EER (BTU/ Watts-Hr)	-	3.460	4.037	4.560	5.027	5.438	5.777	6.056	-
	Condensing Temperature [°F]	-	113.2	117.0	120.8	123.1	128.4	132.2	136.0	-
105	Cooling Capacity [KW]	-	0.158	0.207	0.262	0.323	0.390	-	-	-
	Cooling Capacity [BTU/h]	-	540.2	706.8	894.9	1103	1332	-	-	-
	Power Consumption [W]	-	167	188	211	236	264	-	-	-
	EER (BTU/ Watts-Hr)	-	3.233	3.757	4.239	4.671	5.042	-	-	-
	Condensing Temperature [°F]	-	117.9	120.7	124.0	127.5	131.4	-	-	-

### Envelope Map



### Spare Part

Compressor	123B3148
Condenser	119-9240
Fan Motor	119-9246
Fan Blade	Integred (Fan Motor)
Filter Drier	023Z8252
Compressor - Relay	123B9189
Compressor - Protector	123B9579
Compressor - Start Capacitor	123B9328
Compressor - Run Capacitor	123B9216
Packing Format	Multi Pack
Quantity	18
Revision	AF
Date	February 6, 2024