

## Specifications of R-410A Fixed Speed Rotary Compressor

Models	Capacity			Input		Normal Output		COP. (W/W)	EER. (Btu/hr*w)	Run Cap. mF/VAC	Weight (kgs.)	Oil Q'ty (cc.)
	W	Kcal/hr	Btu/hr	Watt	Amps	HP	KW.					
<b>a) Electrical 50 Hz : 220 - 240 Volt : 1 Phase</b>												
KN092VACMT	2,295	1,974	7,831	840	3.90	0.94	0.70	2.73	9.32	25 / 370	9.9	300
KN096VACMT	2,290	1,969	7,813	830	3.80	0.87	0.65	2.71	9.24	25 / 370	9.9	300
KN104VABMT	2,500	2,150	8,530	880	4.10	0.94	0.70	2.84	9.69	25 / 370	10.2	300
RN092VHSMT	2,240	1,926	7,643	770	3.60	0.80	0.60	2.91	9.93	20 / 370	13.8	300
RN096VHSMT	2,340	2,012	7,984	805	3.70	0.87	0.65	2.91	9.92	20 / 370	13.8	300
RN099VHSMT	2,390	2,055	8,155	820	3.80	0.87	0.65	2.91	9.94	25 / 370	13.8	300
RN104VHSMT	2,510	2,158	8,564	865	4.00	0.94	0.70	2.90	9.90	25 / 370	13.8	300
RN110VHSMT	2,680	2,304	9,144	920	4.20	1.01	0.75	2.91	9.94	25 / 370	13.8	300
RN117VHSMT	2,850	2,450	9,724	975	4.40	1.07	0.80	2.92	9.97	25 / 370	13.8	300
RN125VHSMT	3,050	2,623	10,407	1,050	4.90	1.07	0.80	2.90	9.91	25 / 370	13.8	300
RN130VHSMT	3,160	2,717	10,782	1,080	5.00	1.14	0.85	2.93	9.98	30 / 370	15.8	520
RN135VHSMT	3,290	2,829	11,225	1,120	5.20	1.21	0.90	2.94	10.02	30 / 370	15.8	520
RN140VHSMT	3,430	2,949	11,703	1,170	5.40	1.21	0.90	2.93	10.00	30 / 370	15.8	520
RN145VHSMT	3,570	3,070	12,181	1,220	5.80	1.34	1.00	2.93	9.98	30 / 370	15.8	520
RN154VHSMT	3,820	3,285	13,034	1,320	6.20	1.48	1.10	2.89	9.87	30 / 400	15.8	520
RN165VHSMT	4,070	3,499	13,887	1,410	6.60	1.48	1.10	2.89	9.85	30 / 400	15.8	520
RN174VHSMT	4,230	3,637	14,433	1,460	6.80	1.61	1.20	2.90	9.89	35 / 400	15.8	520
RN196VHSMT	4,800	4,127	16,378	1,680	7.90	1.74	1.30	2.86	9.75	40 / 370	15.8	520
RN220VHSMT	5,480	4,712	18,698	1,920	8.80	2.15	1.60	2.85	9.74	45 / 370	16.5	520
PN23VAAMT	5,860	5,038	19,994	1,990	9.40	2.28	1.70	2.94	10.05	55 / 400	23.7	520
PN25VAAMT	6,360	5,468	21,700	2,165	10.00	2.41	1.80	2.94	10.02	60 / 450	23.7	900
PN27VAAMT	6,800	5,846	23,202	2,290	10.70	2.55	1.90	2.97	10.13	65 / 420	24.5	900
PN31VBBMT	7,900	6,749	26,955	2,660	12.30	2.95	2.20	2.97	10.13	65 / 420	24.0	900
PN33VABMT	8,490	7,301	28,968	2,920	13.30	3.08	2.30	2.91	9.92	65 / 420	25.0	900
NN21VBAMT	5,400	4,644	18,425	1,820	8.30	1.74	1.30	2.97	10.12	50 / 400	29.2	1200
NN23VBAMT	5,800	4,988	19,790	1,950	9.20	2.01	1.50	2.97	10.15	50 / 400	29.2	1200
NN25VBAMT	6,300	5,418	21,496	2,120	9.80	2.15	1.60	2.97	10.14	50 / 420	29.8	1200
NN27VBAMT	6,720	5,779	22,929	2,260	10.40	2.28	1.70	2.97	10.15	55 / 400	30.4	1200
NN29VAFMT	7,300	6,277	24,908	2,450	11.00	2.55	1.90	2.98	10.17	60 / 450	31.7	1300
NN31VAFMT	8,000	6,878	27,296	2,660	12.20	2.95	2.20	3.01	10.26	60 / 450	31.8	1300
NN33VAAMT	8,490	7,301	28,968	2,800	13.10	2.95	2.20	3.03	10.35	55 / 420	31.9	1300
NN37VAFMT	9,400	8,084	32,073	3,160	14.20	3.49	2.60	2.97	10.15	65 / 420	32.0	1300
NN40VAAMT	10,200	8,772	34,802	3,430	16.10	3.62	2.70	2.97	10.15	60 / 450	31.9	1300
QN42V--MT	<b>Under Developing</b>											
<b>b) Electrical 50 Hz : 220 - 240 Volt : 1 Phase</b>												
RN092WHDMT	2,856	2,456	9,745	959	8.45	0.87	0.65	2.98	10.16	70 / 220	13.8	300
RN099WHDMT	2,960	2,545	10,100	1,020	9.11	0.94	0.70	2.90	9.90	75 / 220	13.7	300
RN104WHDMT	3,119	2,682	10,642	1,065	9.40	0.94	0.70	2.92	9.99	75 / 220	13.8	300
RN110WHDMT	3,280	2,820	11,190	1,113	9.84	0.94	0.70	2.95	10.06	75 / 220	13.7	300
RN125WHDMT	3,770	3,241	12,863	1,280	11.42	1.07	0.80	2.95	10.05	80 / 220	13.7	300
RN140WHDMT	4,258	3,661	14,530	1,461	12.90	1.21	0.90	2.92	9.95	85 / 220	15.8	520
<b>c) Electrical 60 Hz : 208 - 230 Volt : 1 Phase</b>												
RN092NHTMT	2,870	2,468	9,792	910	4.35	1.07	0.80	3.15	10.76	25 / 370	15.9	400
RN096NHTMT	3,010	2,588	10,270	960	4.64	1.14	0.85	3.10	10.59	30 / 370	15.9	400
RN110NHTMT	3,400	2,924	11,601	1,090	5.07	1.29	0.96	3.12	10.65	30 / 370	15.9	400
RN117NHTMT	3,680	3,165	12,556	1,160	5.40	1.37	1.02	3.17	10.82	30 / 370	15.9	400
RN125NHTMT	3,890	3,345	13,273	1,230	5.70	1.43	1.07	3.16	10.79	30 / 370	15.9	400
RN135NHTMT	4,270	3,672	14,569	1,320	6.13	1.57	1.17	3.23	11.04	35 / 400	16.0	400
RN140NHTMT	4,440	3,818	15,149	1,370	6.41	1.62	1.21	3.24	11.06	35 / 400	16.0	520
RN145NHTMT	4,590	3,947	15,661	1,410	6.55	1.68	1.25	3.26	11.11	35 / 370	16.0	520
RN154NHTMT	4,900	4,214	16,719	1,520	7.25	1.81	1.35	3.22	11.00	35 / 400	16.0	520
RN165NHTMT	5,220	4,489	17,811	1,640	7.88	1.90	1.42	3.18	10.86	35 / 400	16.0	520
RN174NHTMT	5,480	4,712	18,698	1,750	8.22	2.00	1.49	3.20	10.93	35 / 370	16.0	520
RN196NHTMT	6,170	5,306	21,052	1,940	9.17	2.23	1.66	3.18	10.85	45 / 400	16.0	520
RN220NHTMT	6,930	5,959	23,645	2,200	10.35	2.49	1.86	3.15	10.75	45 / 370	16.0	520
PN23NABMT	7,165	6,160	24,447	2,440	11.30	2.01	1.50	2.94	10.02	40 / 400	23.7	900
PN25NABMT	7,660	6,586	26,136	2,645	12.30	2.15	1.60	2.90	9.88	40 / 400	23.7	900
PN27NABMT	8,320	7,153	28,388	2,810	13.00	2.28	1.70	2.96	10.10	45 / 400	23.7	900
NN21NBBMT	6,500	5,590	22,178	2,150	9.90	1.74	1.30	3.02	10.32	45 / 400	29.8	1200
NN23NBBMT	7,200	6,192	24,566	2,380	11.00	2.01	1.50	3.03	10.32	50 / 400	29.5	1200
NN25NBBMT	7,810	6,716	26,648	2,580	11.70	2.15	1.60	3.03	10.33	55 / 400	30.7	1200
NN27NBBMT	8,480	7,293	28,934	2,760	12.70	2.28	1.70	3.07	10.48	55 / 400	30.2	1200
NN29NBBMT	9,100	7,826	31,049	2,950	13.50	2.55	1.90	3.08	10.53	55 / 400	31.3	1200
NN31NAAMT	10,130	8,712	34,564	3,280	15.10	2.68	2.00	3.09	10.54	60 / 450	32.0	1300
NN33NAAMT	10,900	9,374	37,191	3,500	16.10	2.95	2.20	3.11	10.63	60 / 450	32.0	1300
NN37NAAMT	12,190	10,483	41,592	3,920	18.00	3.35	2.50	3.11	10.61	65 / 400	32.0	1300
NN40NAAMT	13,220	11,369	45,107	4,270	19.60	3.62	2.70	3.10	10.56	65 / 400	32.0	1300
QN42NAAMT	12,550	10,792	42,821	4,360	19.50	4.96	3.70	2.88	9.82	65 / 440	34.4	1300
<b>d) Electrical 50 Hz : 380 - 415 Volt : 3 Phases</b>												
PN31YBAMT	8,050	6,923	27,467	2,650	4.70	3.08	2.30	3.04	10.36	-	23.9	900

NN21YDAMT	5,500	4,729	18,772	1,780	3.00	1.74	1.30	3.09	10.54	-	29.9	1200
NN25YDAMT	6,580	5,658	22,451	2,120	3.70	2.15	1.60	3.10	10.59	-	29.8	1200
NN27YDAMT	6,980	6,002	23,516	2,210	3.70	2.28	1.70	3.16	10.78	-	29.9	1200
NN29YCCMT	7,400	6,363	25,249	2,460	4.50	2.55	1.90	3.01	10.25	-	32.1	1300
NN31YCCMT	8,000	6,878	27,296	2,600	4.50	2.95	2.20	3.08	10.50	-	32.0	1300
NN33YCMT	8,600	7,395	29,343	2,730	4.70	2.95	2.20	3.15	10.75	-	30.1	1300
NN37YCCMT	9,400	8,082	32,073	3,090	5.10	3.49	2.60	3.04	10.38	-	32.2	1300
NN40YCMT	10,400	8,942	35,484	3,300	5.70	3.62	2.70	3.15	10.75	-	31.9	1300
NN44YCMT	11,400	9,804	38,897	3,770	6.20	3.62	2.70	3.02	10.25	-	31.9	1300
QN42Y--MT	<b>Under Developing</b>											
QN48Y--MT	<b>Under Developing</b>											
QN53Y--MT	<b>Under Developing</b>											

**e) Electrical 50/60 Hz : 200/200-230 Volt : 3 Phases**

PN25TACMT	6,370	5,478	21,734	2,160	8.20	2.41	1.80	2.95	10.06	-	23.7	900
NN25TDBMT	6,600	5,676	22,519	2,092	7.20	2.28	1.70	3.15	10.76	-	29.7	1200
NN27TDBMT	6,990	6,011	23,850	2,218	7.70	2.28	1.70	3.15	10.75	-	29.8	1200
NN31TDBMT	7,960	6,929	27,160	2,570	8.80	2.68	2.00	3.14	10.70	-	30.4	1300
NN40TKAMT	10,300	8,856	35,144	3,500	11.90	3.62	2.70	2.94	10.04	-	31.0	1300

## Specifications of R-410A Fixed Speed Rotary Ultra Tropical Compressor

**a) Electrical 50 Hz : 220 - 240 Volt : 1 Phase**

RNT174V--MT*	4,170	3,586	14,228	1,390	6.40	1.61	1.20	3.00	10.24	40 / 370	15.3	440
RNT189V--MT*	4,400	3,784	15,013	1,550	7.20	1.74	1.30	2.84	9.69	40 / 370	15.3	440
RNT196V--MT*	4,860	4,180	16,582	1,640	7.80	1.74	1.30	2.96	10.11	50 / 370	15.7	440
RNT207V--MT*	5,380	4,627	18,357	1,720	8.10	1.88	1.40	3.13	10.67	45 / 420	14.9	440
PNT24V--MT*	6,220	5,349	21,223	2,040	9.40	2.41	1.80	3.05	10.40	60 / 420	23.7	520
PNT25V--MT*	5,910	5,081	20,165	1,970	9.20	2.28	1.70	3.00	10.24	60 / 420	23.3	520
PNT27V--MT*	6,700	5,762	22,860	2,260	10.30	2.55	1.90	2.96	10.12	60 / 420	24.1	670
PNT33V--MT*	8,490	7,301	28,698	2,920	13.30	3.08	2.30	2.91	9.92	65 / 420	24.5	900
NNT33VAAMT	8,360	7,190	28,524	2,850	13.20	3.08	2.30	2.93	10.01	55 / 420	31.9	1300
NNT37V--MT*	9,350	8,041	31,902	3,220	15.00	3.75	2.80	2.90	9.91	60 / 420	31.6	1300
NNT40VAAMT	10,250	8,815	34,973	3,500	16.30	4.02	3.00	2.93	9.99	60 / 420	31.6	1300
NNT44V--MT*	11,300	9,713	38,556	3,870	18.80	4.43	3.30	2.92	9.96	65 / 440	31.6	1300

**b) Electrical 60 Hz : 208 - 230 Volt : 1 Phase**

RNT135N--MT	4,000	3,440	13,648	1,380	7.00	1.57	1.17	2.90	9.89	45 / 400	16.4	420
RNT154N--MT	4,750	4,085	16,207	1,540	7.10	2.00	1.49	3.08	10.52	45 / 370	17.1	420
RNT174NAAMT	5,220	4,420	17,811	1,710	7.80	2.00	1.49	3.05	10.42	45 / 370	17.1	420
RNT196N--MT	6,050	5,203	20,643	1,930	8.80	2.23	1.66	3.13	10.70	45 / 370	16.5	440
RNT207N--MT*	6,190	5,323	21,120	2,040	9.30	2.36	1.76	3.03	10.35	55 / 400	16.0	440
RNT220N--MT*	6,650	5,719	22,690	2,130	9.90	2.49	1.86	3.12	10.65	55 / 400	15.8	440
PNT23N--MT*	7,120	6,123	24,293	2,355	10.70	2.68	2.00	3.02	10.32	50 / 400	24.1	670
PNT24NAAMT	7,330	6,304	25,010	2,410	10.20	2.68	2.00	3.04	10.38	50 / 400	22.4	670
PNT29N--MT	9,100	7,826	31,049	3,140	13.30	3.49	2.60	2.90	9.89	55 / 400	24.5	900

**c) Electrical 50 Hz : 380 - 415 Volt : 3 Phases**

NNT37Y--MT*	9,350	8,041	31,902	3,110	5.30	3.62	2.70	3.01	10.26	-	31.0	1300
NNT40Y--MT*	10,250	8,815	34,973	3,410	5.80	3.89	2.90	3.01	10.26	-	31.9	1300

Note: 1. Testing Condition : ASRE-T