

# R-410A Fixed Speed Rotary Compressor Specifications for HVAC (2)

## RN/RNT Fixed Speed Rotary Compressor for R-410A

| Models                                         | Capacity |         |        | Input |       | Normal Output |      | COP.<br>(W/W) | EER.<br>(Btu/hr*W) | Run Cap.<br>(mF/VAC) | Weight<br>(kgs.) | Oil<br>(cc.) | Drawing<br>Number |
|------------------------------------------------|----------|---------|--------|-------|-------|---------------|------|---------------|--------------------|----------------------|------------------|--------------|-------------------|
|                                                | W        | Kcal/hr | Btu/hr | Watt  | Amps  | HP            | KW.  |               |                    |                      |                  |              |                   |
| d) Electrical 60 Hz : 208 – 230 Volt : 1 Phase |          |         |        |       |       |               |      |               |                    |                      |                  |              |                   |
| RN140NHTMT (UL)                                | 4,440    | 3,818   | 15,149 | 1,370 | 6.41  | 1.6           | 1.21 | 3.24          | 11.06              | 35/400               | 16.0             | 520          | 24                |
| RN145NHTMT (UL)                                | 4,280    | 3,680   | 14,603 | 1,440 | 6.55  | 1.7           | 1.25 | 2.97          | 10.14              | 35/370               | 16.0             | 520          | 24                |
| RN154NHTMT (UL)                                | 4,900    | 4,213   | 16,719 | 1,520 | 7.25  | 1.8           | 1.35 | 3.22          | 11.00              | 35/400               | 16.0             | 520          | 24                |
| RN165NHTMT (UL)                                | 4,900    | 4,213   | 16,719 | 1,660 | 7.88  | 1.9           | 1.42 | 2.95          | 10.07              | 35/400               | 16.0             | 520          | 24                |
| RN174NHTMT (UL)                                | 5,480    | 4,712   | 18,698 | 1,710 | 8.22  | 2.0           | 1.49 | 3.20          | 10.93              | 35/370               | 16.0             | 520          | 24                |
| RN196NHTMT (UL)                                | 5,816    | 5,001   | 19,844 | 1,985 | 9.17  | 2.2           | 1.66 | 2.93          | 10.00              | 45/400               | 16.0             | 520          | 24                |
| RN220NHTMT (UL)                                | 6,500    | 5,589   | 22,178 | 2,275 | 10.35 | 2.5           | 1.86 | 2.86          | 9.75               | 45/370               | 16.5             | 520          | 6                 |
| RNT154NBAMT                                    | 4,620    | 3,973   | 15,763 | 1,540 | 7.10  | 2.0           | 1.49 | 3.00          | 10.24              | 45/370               | 17.1             | 420          | 41                |
| RNT174NCDMT                                    | 5,100    | 4,386   | 17,401 | 1,670 | 7.80  | 2.0           | 1.49 | 3.05          | 10.42              | 45/370               | 17.2             | 420          | 41                |
| RNT207NBBMT                                    | 6,190    | 5,323   | 21,120 | 2,040 | 9.30  | 2.4           | 1.76 | 3.03          | 10.35              | 55/400               | 16.0             | 440          | 41                |

ASRE-T Condition

## PN/PNT Fixed Speed Rotary Compressor for R-410A

| Models                                                 | Capacity |         |        | Input |       | Normal Output |      | COP.<br>(W/W) | EER.<br>(Btu/hr*w) | Run Cap.<br>(mF/VAC) | Weight<br>(kgs.) | Oil<br>(cc.) | Drawing<br>Number |
|--------------------------------------------------------|----------|---------|--------|-------|-------|---------------|------|---------------|--------------------|----------------------|------------------|--------------|-------------------|
|                                                        | W        | Kcal/hr | Btu/hr | Watt  | Amps  | HP            | KW.  |               |                    |                      |                  |              |                   |
| a) Electrical 50 Hz : 220 – 240 Volt : 1 Phase         |          |         |        |       |       |               |      |               |                    |                      |                  |              |                   |
| PN23VAAMT                                              | 5,860    | 5,038   | 19,994 | 1,990 | 9.40  | 2.3           | 1.70 | 2.94          | 10.05              | 55/400               | 23.7             | 900          | 26                |
| PN25VAAMT                                              | 6,360    | 5,468   | 21,700 | 2,165 | 10.00 | 2.4           | 1.80 | 2.94          | 10.02              | 60/440               | 23.7             | 900          | 26                |
| PN27VAAMT                                              | 6,800    | 5,847   | 23,202 | 2,290 | 10.70 | 2.5           | 1.90 | 2.97          | 10.13              | 65/420               | 24.5             | 900          | 26                |
| PN31VBBMT                                              | 7,900    | 6,792   | 26,955 | 2,660 | 12.30 | 3.0           | 2.20 | 2.97          | 10.13              | 65/420               | 24.0             | 900          | 35                |
| PN33VABMT                                              | 8,490    | 7,300   | 28,968 | 2,920 | 13.30 | 3.1           | 2.30 | 2.91          | 9.92               | 65/420               | 24.5             | 900          | 32                |
| PNT25VBHMT                                             | 6,150    | 5,288   | 20,984 | 2,080 | 9.60  | 2.3           | 1.70 | 2.96          | 10.09              | 60/440               | 22.5             | 670          | 35                |
| b) Electrical 60 Hz : 208 – 230 Volt : 1 Phase         |          |         |        |       |       |               |      |               |                    |                      |                  |              |                   |
| PN23NABMT                                              | 7,165    | 6,160   | 24,447 | 2,440 | 11.30 | 2.0           | 1.50 | 2.94          | 10.02              | 40/440               | 23.7             | 900          | 25                |
| PN25NABMT                                              | 7,660    | 6,586   | 26,136 | 2,645 | 12.30 | 2.1           | 1.60 | 2.90          | 9.88               | 40/440               | 23.7             | 900          | 25                |
| PN27NABMT                                              | 8,320    | 7,154   | 28,388 | 2,810 | 13.00 | 2.3           | 1.70 | 2.96          | 10.10              | 45/440               | 23.7             | 900          | 25                |
| PNT24NBJMT                                             | 7,190    | 6,182   | 24,532 | 2,360 | 11.00 | 2.7           | 1.98 | 3.05          | 10.40              | 60/400               | 23.1             | 670          | 35                |
| c) Electrical 50 Hz : 380 – 415 Volt : 3 Phases        |          |         |        |       |       |               |      |               |                    |                      |                  |              |                   |
| PN31YBAMT                                              | 7,740    | 6,655   | 26,409 | 2,590 | 4.70  | 3.1           | 2.30 | 2.99          | 10.20              | -                    | 23.9             | 900          | 38                |
| d) Electrical 50/60 Hz : 200/200 – 230 Volt : 3 Phases |          |         |        |       |       |               |      |               |                    |                      |                  |              |                   |
| PN25TACMT                                              | 6,370    | 5,477   | 21,734 | 2,160 | 8.20  | 2.4           | 1.80 | 2.95          | 10.06              | -                    | 23.7             | 900          | 28                |

ASRE-T Condition

## NN/NNT Fixed Speed Rotary Compressor for R-410A

| Models                                         | Capacity |         |        | Input |       | Normal Output |      | COP.<br>(W/W) | EER.<br>(Btu/hr *w) | Run Cap.<br>(mF/VAC) | Weight<br>(kgs.) | Oil<br>(cc.) | Drawing<br>Number |
|------------------------------------------------|----------|---------|--------|-------|-------|---------------|------|---------------|---------------------|----------------------|------------------|--------------|-------------------|
|                                                | W        | Kcal/hr | Btu/hr | Watt  | Amps  | HP            | KW.  |               |                     |                      |                  |              |                   |
| a) Electrical 50 Hz : 220 – 240 Volt : 1 Phase |          |         |        |       |       |               |      |               |                     |                      |                  |              |                   |
| NN21VBAMT                                      | 5,400    | 4,643   | 18,425 | 1,820 | 8.30  | 1.7           | 1.30 | 2.97          | 10.12               | 50/400               | 29.2             | 1200         | 15                |
| NN23VBAMT                                      | 5,800    | 4,987   | 19,790 | 1,950 | 9.20  | 2.0           | 1.50 | 2.97          | 10.15               | 50/400               | 29.2             | 1200         | 15                |
| NN25VBAMT                                      | 6,300    | 5,417   | 21,496 | 2,120 | 9.80  | 2.1           | 1.60 | 2.97          | 10.14               | 50/420               | 29.8             | 1200         | 15                |
| NN27VBAMT                                      | 6,720    | 5,778   | 22,929 | 2,260 | 10.40 | 2.3           | 1.70 | 2.97          | 10.15               | 55/400               | 30.4             | 1200         | 15                |
| NN29VAAMT                                      | 7,400    | 6,363   | 25,249 | 2,440 | 11.20 | 2.5           | 1.90 | 3.03          | 10.35               | 55/400               | 31.3             | 1300         | 16                |
| NN31VAAMT                                      | 7,960    | 6,844   | 27,160 | 2,620 | 12.20 | 2.7           | 2.00 | 3.04          | 10.37               | 55/400               | 31.3             | 1300         | 16                |
| NN33VAAMT                                      | 8,490    | 7,300   | 28,968 | 2,800 | 13.10 | 3.0           | 2.20 | 3.03          | 10.35               | 55/420               | 31.9             | 1300         | 16                |
| NN37VAAMT                                      | 9,400    | 8,082   | 32,073 | 3,130 | 14.70 | 3.4           | 2.50 | 3.00          | 10.25               | 60/420               | 31.8             | 1300         | 14                |
| NN40VAAMT                                      | 10,200   | 8,770   | 34,802 | 3,430 | 16.10 | 3.6           | 2.70 | 2.97          | 10.15               | 60/440               | 31.9             | 1300         | 14                |
| NNT33VAAMT                                     | 8,360    | 7,188   | 28,524 | 2,850 | 13.20 | 3.1           | 2.30 | 2.93          | 10.01               | 55/420               | 31.9             | 1300         | 16                |
| NNT40VAAMT                                     | 10,250   | 8,813   | 34,973 | 3,500 | 16.30 | 4.0           | 3.00 | 2.93          | 9.99                | 60/420               | 31.9             | 1300         | 14                |

ASRE-T Condition

