

**ANB42FCGMT COMPRESSOR PERFORMANCE DATA**

RATING CONDITION : 11.1°C RETURN GAS SUPERHEATED
 8.4°C LIQUID SUBCOOLED
 35.0°C AMBIENT

78 Volt 20rps R-410A

| | | Evaporating Temperature (°C) | | | | | | |
|------------------|-----------------------------|------------------------------|---------|---------|---------|---------|---------|---------|
| | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 | |
| Capacity (W) | Condensing Temperature (°C) | 40.00 | 2080.00 | 2570.00 | 3180.00 | 3800.00 | 4560.00 | 5440.00 |
| | | 50.00 | 1730.00 | 2160.00 | 2710.00 | 3260.00 | 3950.00 | 4720.00 |
| | | 60.00 | 1380.00 | 1730.00 | 2190.00 | 2650.00 | 3240.00 | 3940.00 |
| | | | | | | | | |
| Input (W) | Condensing Temperature (°C) | 40.00 | 1030.00 | 1050.00 | 1060.00 | 1070.00 | 1070.00 | 1050.00 |
| | | 50.00 | 1270.00 | 1290.00 | 1300.00 | 1320.00 | 1330.00 | 1330.00 |
| | | 60.00 | 1570.00 | 1590.00 | 1610.00 | 1630.00 | 1640.00 | 1650.00 |
| | | | | | | | | |
| COP (W/W) | Condensing Temperature (°C) | 40.00 | 2.02 | 2.45 | 3.00 | 3.55 | 4.26 | 5.18 |
| | | 50.00 | 1.36 | 1.67 | 2.08 | 2.47 | 2.97 | 3.55 |
| | | 60.00 | 0.88 | 1.09 | 1.36 | 1.63 | 1.98 | 2.39 |
| | | | | | | | | |
| Current (A) | Condensing Temperature (°C) | 40.00 | 11.20 | 11.40 | 11.50 | 11.60 | 11.60 | 11.40 |
| | | 50.00 | 13.20 | 13.40 | 13.50 | 13.70 | 13.80 | 13.80 |
| | | 60.00 | 15.90 | 16.00 | 16.20 | 16.40 | 16.50 | 16.60 |
| | | | | | | | | |
| Flow Rate (kg/h) | Condensing Temperature (°C) | 40.00 | 43.40 | 52.90 | 64.50 | 76.20 | 90.40 | 106.60 |
| | | 50.00 | 40.10 | 49.30 | 60.90 | 72.30 | 86.50 | 102.10 |
| | | 60.00 | 36.30 | 44.70 | 55.60 | 66.30 | 79.90 | 95.80 |
| | | | | | | | | |

| DOCUMENT NO. | REVISED | ISSUED DATE | PAGE | WRITTEN | APPROVED |
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**ANB42FCGMT COMPRESSOR PERFORMANCE DATA**

RATING CONDITION : 11.1°C RETURN GAS SUPERHEATED
 8.4°C LIQUID SUBCOOLED
 35.0°C AMBIENT

198 Volt 60rps R-410A

| | | Evaporating Temperature (°C) | | | | | | |
|------------------|-----------------------------|------------------------------|---------|---------|----------|----------|----------|----------|
| | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 | |
| Capacity (W) | Condensing Temperature (°C) | 40.00 | 6980.00 | 8600.00 | 10660.00 | 12730.00 | 15270.00 | 18230.00 |
| | | 50.00 | 5780.00 | 7230.00 | 9080.00 | 10930.00 | 13220.00 | 15800.00 |
| | | 60.00 | 4620.00 | 5800.00 | 7340.00 | 8890.00 | 10850.00 | 13190.00 |
| | | | | | | | | |
| Input (W) | Condensing Temperature (°C) | 40.00 | 2940.00 | 2980.00 | 3020.00 | 3050.00 | 3040.00 | 2990.00 |
| | | 50.00 | 3620.00 | 3670.00 | 3720.00 | 3760.00 | 3780.00 | 3790.00 |
| | | 60.00 | 4470.00 | 4530.00 | 4580.00 | 4630.00 | 4670.00 | 4710.00 |
| | | | | | | | | |
| COP (W/W) | Condensing Temperature (°C) | 40.00 | 2.37 | 2.89 | 3.53 | 4.17 | 5.02 | 6.10 |
| | | 50.00 | 1.60 | 1.97 | 2.44 | 2.91 | 3.50 | 4.17 |
| | | 60.00 | 1.03 | 1.28 | 1.60 | 1.92 | 2.32 | 2.80 |
| | | | | | | | | |
| Current (A) | Condensing Temperature (°C) | 40.00 | 11.40 | 11.60 | 11.70 | 11.80 | 11.80 | 11.60 |
| | | 50.00 | 13.50 | 13.70 | 13.80 | 14.00 | 14.10 | 14.10 |
| | | 60.00 | 16.20 | 16.40 | 16.50 | 16.70 | 16.80 | 17.00 |
| | | | | | | | | |
| Flow Rate (kg/h) | Condensing Temperature (°C) | 40.00 | 145.70 | 176.90 | 216.30 | 255.20 | 302.60 | 357.30 |
| | | 50.00 | 134.10 | 165.10 | 204.20 | 242.50 | 289.50 | 341.80 |
| | | 60.00 | 121.50 | 149.80 | 186.40 | 222.30 | 267.40 | 320.70 |
| | | | | | | | | |

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**ANB42FCGMT COMPRESSOR PERFORMANCE DATA**

RATING CONDITION : 11.1°C RETURN GAS SUPERHEATED
 8.4°C LIQUID SUBCOOLED
 35.0°C AMBIENT

389 Volt 120rps R-410A

| | | Evaporating Temperature (°C) | | | | | | |
|------------------|-----------------------------|------------------------------|----------|----------|----------|----------|----------|----------|
| | | -15.00 | -10.00 | -5.00 | 0.00 | 5.00 | 10.00 | |
| Capacity (W) | Condensing Temperature (°C) | 40.00 | 13700.00 | 16890.00 | 20940.00 | 25010.00 | 29990.00 | 35800.00 |
| | | 50.00 | 11350.00 | 14200.00 | 17820.00 | 21460.00 | 25960.00 | 31020.00 |
| | | 60.00 | 9080.00 | 11390.00 | 14420.00 | 17460.00 | 21300.00 | 25900.00 |
| | | | | | | | | |
| Input (W) | Condensing Temperature (°C) | 40.00 | 6710.00 | 6820.00 | 6890.00 | 6960.00 | 6950.00 | 6820.00 |
| | | 50.00 | 8280.00 | 8390.00 | 8490.00 | 8580.00 | 8640.00 | 8650.00 |
| | | 60.00 | 10200.00 | 10340.00 | 10460.00 | 10580.00 | 10660.00 | 10750.00 |
| | | | | | | | | |
| COP (W/W) | Condensing Temperature (°C) | 40.00 | 2.04 | 2.48 | 3.04 | 3.59 | 4.32 | 5.25 |
| | | 50.00 | 1.37 | 1.69 | 2.10 | 2.50 | 3.00 | 3.59 |
| | | 60.00 | 0.89 | 1.10 | 1.38 | 1.65 | 2.00 | 2.41 |
| | | | | | | | | |
| Current (A) | Condensing Temperature (°C) | 40.00 | 13.30 | 13.50 | 13.60 | 13.80 | 13.70 | 13.60 |
| | | 50.00 | 15.70 | 15.90 | 16.10 | 16.30 | 16.40 | 16.40 |
| | | 60.00 | 18.80 | 19.10 | 19.30 | 19.50 | 19.60 | 19.70 |
| | | | | | | | | |
| Flow Rate (kg/h) | Condensing Temperature (°C) | 40.00 | 286.00 | 347.50 | 424.90 | 501.40 | 594.30 | 701.60 |
| | | 50.00 | 263.30 | 324.20 | 400.80 | 476.00 | 568.50 | 671.10 |
| | | 60.00 | 238.80 | 294.20 | 366.10 | 436.60 | 525.00 | 629.70 |
| | | | | | | | | |

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