

TECHNICAL DATA SHEET
QPNC-750 thru QPNC-4200
460/3/60hz
NEMA1 AND NEMA4



| | QPNC 750 | QPNC 1000 | QPNC 1250 | QPNC 1600 | QPNC 1800 | QPNC 2200 | QPNC 2500 | QPNC 3000 | QPNC 3500 | QPNC 4200 |
|------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Inlet air temperature (°F) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inlet air pressure (psi(g)) | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 |
| Ambient air temperature (°F) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inlet relative humidity (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Pressure dew point (°F) | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| Volume flow (cfm) | 750 | 1060 | 1250 | 1600 | 1800 | 2200 | 2500 | 3000 | 3500 | 4240 |

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|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Min ambient temperature (°F) | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| Max ambient temperature (°F) | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 |
| Max air inlet temperature (°F) | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
| Max air inlet pressure (psi(g)) | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 |

| | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|-------|
| Total electrical power input (kW) | 5.8 | 6.0 | 6.7 | 7.8 | 9.4 | 9.5 | 9.7 | 11.4 | 12.8 | 17.2 |
| Fan(s) electrical power input (kW) | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.8 |
| Pressure drop over dryer (psi) | 2.9 | 3.1 | 3.1 | 3.3 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.5 |
| Cooling air flow (approx.)(cfm) | 4873 | 4873 | 4873 | 4873 | 9747 | 9747 | 9747 | 9747 | 9747 | 12713 |
| Rated current (A) | 8.6 | 8.7 | 10.5 | 11.2 | 14.6 | 14.8 | 15.1 | 18.0 | 19.9 | 25.3 |
| Cooling media heat dissipation (kW) | 12.2 | 14 | 16.5 | 19 | 21 | 25.4 | 27.5 | 32.8 | 38.2 | 47.2 |

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|-------------------------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| Refrigerant type | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| Refrigerant amount (lbs) | 3.6 | 6.6 | 7.5 | 10.6 | 11.2 | 12.3 | 12.3 | 22.0 | 24.3 | 26.5 |
| Refrigerant GWP | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 |
| Tons of CO2 Equivalent | 3.4 | 6.3 | 7.1 | 10.0 | 10.6 | 11.7 | 11.7 | 20.9 | 23.0 | 25.1 |
| Net weight (lbs) | 507 | 717 | 745 | 860 | 1019 | 1120 | 1120 | 1786 | 1797 | 1984 |
| Width (in) | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 57 | 57 | 57 |
| Height (in) | 45 | 44 | 44 | 44 | 60 | 60 | 60 | 78 | 78 | 78 |
| Length (in) | 55 | 63 | 63 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| Inlet/Outlet Dimensions (NPT) | 3" NPT M | 3" NPT M | 3" NPT M | 4" ANSI | 4" ANSI | 4" ANSI | 4" ANSI | 6" ANSI | 6" ANSI | 6" ANSI |
| Sound level (dB(A)) | 70 | 71 | 71 | 71 | 74 | 74 | 74 | 74 | 74 | 75 |

TECHNICAL DATA SHEET
QPNC-750 thru QPNC-4200
575/3/60hz
NEMA1 AND NEMA4



| | QPNC 750 | QPNC 1000 | QPNC 1250 | QPNC 1600 | QPNC 1800 | QPNC 2200 | QPNC 2500 | QPNC 3000 | QPNC 3500 | QPNC 4200 |
|-------------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Inlet air temperature (°F) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inlet air pressure (psi(g)) | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 |
| Ambient air temperature (°F) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inlet relative humidity (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Pressure dew point (°F) | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| Volume flow (cfm) | 750 | 1060 | 1250 | 1600 | 1800 | 2200 | 2500 | 3000 | 3500 | 4240 |

| | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Min ambient temperature (°F) | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| Max ambient temperature (°F) | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 |
| Max air inlet temperature (°F) | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
| Max air inlet pressure (psi(g)) | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 |

| | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|-------|
| Total electrical power input (kW) | 6.8 | 6.1 | 6.7 | 8.0 | 9.6 | 9.5 | 9.7 | 11.4 | 12.8 | 17.2 |
| Fan(s) electrical power input (kW) | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.8 |
| Pressure drop over dryer (psi) | 2.9 | 3.1 | 3.1 | 3.3 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.5 |
| Cooling air flow (approx.)(cfm) | 4873 | 4873 | 4873 | 4873 | 9747 | 9747 | 9747 | 9747 | 9747 | 12713 |
| Rated current (A) | 9.7 | 8.7 | 10.5 | 11.4 | 14.8 | 14.8 | 15.1 | 18.0 | 19.9 | 25.3 |
| Cooling media heat dissipation (kW) | 12.6 | 14.0 | 16.5 | 19.0 | 21.6 | 25.4 | 27.5 | 32.8 | 38.2 | 47.2 |

| | | | | | | | | | | |
|--------------------------------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| Refrigerant type | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| Refrigerant amount (lbs) | 3.6 | 6.6 | 7.5 | 10.6 | 11.2 | 12.3 | 12.3 | 22.0 | 24.3 | 26.5 |
| Refrigerant GWP | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 |
| Tons of CO2 Equivalent | 3.4 | 6.3 | 7.1 | 10.0 | 10.6 | 11.7 | 11.7 | 20.9 | 23.0 | 25.1 |
| Net weight (lbs) | 507 | 717 | 745 | 860 | 1019 | 1120 | 1120 | 1786 | 1797 | 1984 |
| Width (in) | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 57 | 57 | 57 |
| Height (in) | 45 | 44 | 44 | 44 | 60 | 60 | 60 | 78 | 78 | 78 |
| Length (in) | 55 | 63 | 63 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| Inlet/Outlet Dimensions (NPT) | 3" NPT M | 3" NPT M | 3" NPT M | 4" ANSI | 4" ANSI | 4" ANSI | 4" ANSI | 6" ANSI | 6" ANSI | 6" ANSI |
| Sound level (dB(A)) | 70 | 71 | 71 | 71 | 74 | 74 | 74 | 74 | 74 | 75 |

TECHNICAL DATA SHEET
QPNC-750 thru QPNC-4200
380/3/60hz
NEMA1 AND NEMA4



| | QPNC 750 | QPNC 1000 | QPNC 1250 | QPNC 1600 | QPNC 1800 | QPNC 2200 | QPNC 2500 | QPNC 3000 | QPNC 3500 | QPNC 4200 |
|------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Inlet air temperature (°F) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inlet air pressure (psi(g)) | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 |
| Ambient air temperature (°F) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inlet relative humidity (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Pressure dew point (°F) | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| Volume flow (cfm) | 750 | 1060 | 1250 | 1600 | 1800 | 2200 | 2500 | 3000 | 3500 | 4240 |

| | | | | | | | | | | |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Min ambient temperature (°F) | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| Max ambient temperature (°F) | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 |
| Max air inlet temperature (°F) | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
| Max air inlet pressure (psi(g)) | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 |

| | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|-------|
| Total electrical power input (kW) | 6.8 | 6.1 | 6.7 | 8.0 | 9.6 | 9.5 | 9.7 | 11.4 | 12.8 | 17.2 |
| Fan(s) electrical power input (kW) | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.8 |
| Pressure drop over dryer (psi) | 2.9 | 3.1 | 3.1 | 3.3 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.5 |
| Cooling air flow (approx.)(cfm) | 4873 | 4873 | 4873 | 4873 | 9747 | 9747 | 9747 | 9747 | 9747 | 12713 |
| Rated current (A) | 9.7 | 8.7 | 10.5 | 11.4 | 14.8 | 14.8 | 15.1 | 18.0 | 19.9 | 25.3 |
| Cooling media heat dissipation (kW) | 12.6 | 14.0 | 16.5 | 19.0 | 21.6 | 25.4 | 27.5 | 32.8 | 38.2 | 47.2 |

| | | | | | | | | | | |
|-------------------------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| Refrigerant type | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| Refrigerant amount (lbs) | 3.6 | 6.6 | 7.5 | 10.6 | 11.2 | 12.3 | 12.3 | 22.0 | 24.3 | 26.5 |
| Refrigerant GWP | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 |
| Tons of CO2 Equivalent | 3.4 | 6.3 | 7.1 | 10.0 | 10.6 | 11.7 | 11.7 | 20.9 | 23.0 | 25.1 |
| Net weight (lbs) | 507 | 717 | 745 | 860 | 1019 | 1120 | 1120 | 1786 | 1797 | 1984 |
| Width (in) | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 57 | 57 | 57 |
| Height (in) | 45 | 44 | 44 | 44 | 60 | 60 | 60 | 78 | 78 | 78 |
| Length (in) | 55 | 63 | 63 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| Inlet/Outlet Dimensions (NPT) | 3" NPT M | 3" NPT M | 3" NPT M | 4" ANSI | 4" ANSI | 4" ANSI | 4" ANSI | 6" ANSI | 6" ANSI | 6" ANSI |
| Sound level (dB(A)) | 70 | 71 | 71 | 71 | 74 | 74 | 74 | 74 | 74 | 75 |

TECHNICAL DATA SHEET
QPNC-750 thru QPNC-4200
400/3/50hz
NEMA1 AND NEMA4



| | QPNC 750 | QPNC 1000 | QPNC 1250 | QPNC 1600 | QPNC 1800 | QPNC 2200 | QPNC 2500 | QPNC 3000 | QPNC 3500 | QPNC 4200 |
|------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Inlet air temperature (°F) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inlet air pressure (psi(g)) | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 |
| Ambient air temperature (°F) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inlet relative humidity (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Pressure dew point (°F) | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| Volume flow (cfm) | 750 | 1060 | 1250 | 1600 | 1800 | 2200 | 2500 | 3000 | 3500 | 4240 |

| | | | | | | | | | | |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Min ambient temperature (°F) | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| Max ambient temperature (°F) | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 |
| Max air inlet temperature (°F) | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
| Max air inlet pressure (psi(g)) | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 |

| | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|-------|
| Total electrical power input (kW) | 6.0 | 6.2 | 7.9 | 9.8 | 10.1 | 11.4 | 11.8 | 12.3 | 17.0 | 17.1 |
| Fan(s) electrical power input (kW) | 0.9 | 0.9 | 0.9 | 0.9 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.1 |
| Pressure drop over dryer (psi) | 2.9 | 3.1 | 3.1 | 3.3 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.5 |
| Cooling air flow (approx.)(cfm) | 4238 | 4238 | 4238 | 4238 | 8476 | 8476 | 8476 | 8476 | 8476 | 11442 |
| Rated current (A) | 10.0 | 10.2 | 13.0 | 16.5 | 17.7 | 20.1 | 20.7 | 21.6 | 28.6 | 29.6 |
| Cooling media heat dissipation (kW) | 12.6 | 14.0 | 16.5 | 19.0 | 21.6 | 25.4 | 27.5 | 32.8 | 38.2 | 47.2 |

| | | | | | | | | | | |
|-------------------------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| Refrigerant type | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| Refrigerant amount (lbs) | 3.6 | 6.6 | 7.5 | 10.6 | 11.2 | 12.3 | 12.3 | 22.0 | 24.3 | 26.5 |
| Refrigerant GWP | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 | 2088 |
| Tons of CO2 Equivalent | 3.4 | 6.3 | 7.1 | 10.0 | 10.6 | 11.7 | 11.7 | 20.9 | 23.0 | 25.1 |
| Net weight (lbs) | 507 | 717 | 745 | 860 | 1019 | 1120 | 1120 | 1786 | 1797 | 1984 |
| Width (in) | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 57 | 57 | 57 |
| Height (in) | 45 | 44 | 44 | 44 | 60 | 60 | 60 | 78 | 78 | 78 |
| Length (in) | 55 | 63 | 63 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| Inlet/Outlet Dimensions (NPT) | 3" NPT M | 3" NPT M | 3" NPT M | 4" ANSI | 4" ANSI | 4" ANSI | 4" ANSI | 6" ANSI | 6" ANSI | 6" ANSI |
| Sound level (dB(A)) | 70 | 71 | 71 | 71 | 74 | 74 | 74 | 74 | 74 | 75 |