Technical Data Sheets
QPNC 144-636 (60hz)

	QPNC-144 (E7.5)	QPNC-184 (E8)	QPNC-229 (E9)	QPNC-271 (E10)	QPNC-297 (B10S)	QPNC-354 (E11)	QPNC-424 (E12)	QPNC-530 (E13)	QPNC-636 (E14)
	230 V (1 ph)	230 V (1 ph)	230 V (1 ph)	230 V (1 ph)	460 V (3 ph)	460 V (3 ph)	460 V (3 ph)	460 V (3 ph)	460 V (3 ph)
REFERENCE CONDITIONS									
Inlet Air Temperature (°F)	95	95	95	95	95	95	95	95	95
Inlet Air pressure (psi(g))	102	102	102	102	102	102	102	102	102
Ambient air temperature (°F)	77	77	77	77	77	77	77	77	77
Pressure dewpoint (°F)	39	39	39	39	39	39	39	39	39
Volume flow (cfm)	144	184	229	271	297	354	424	530	636
REFERENCE CONDITIONS									
Inlet Air Temperature (°F)	100	100	100	100	100	100	100	100	100
Inlet Air pressure (psi(g))	100	100	100	100	100	100	100	100	100
Ambient air temperature (°F)	100	100	100	100	100	100	100	100	100
Pressure dewpoint (°F)	39	39	39	39	39	39	39	39	39
Volume flow (cfm)	140	175	200	225	250	300	360	500	600
LIMITATIONS									
Minimum ambient temperature (°F)	41	41	41	41	41	41	41	41	41
Maximum air inlet temperature (°F)	131	131	131	131	131	140	140	140	140
Maximum compressed air inlet pressure (bar(g))	203	203	203	203	203	203	203	203	203
Maximum ambient temperature (°F)	109	109	109	109	109	115	115	115	115
PERFORMANCE DATA									
Total electrical power input (kW)	0.78	0.93	1.11	1.29	2	1.7	2.65	2.7	3.6
Fan(s) electrical power input (kW)	0.11	0.11	0.19	0.19	0.29	0.21	0.78	0.78	1.1
Pressure drop over dryer (psi)	2.6	2.9	2.9	3.7	4.3	2.3	3.3	2.6	2.6
Cooling air flow (approx.) (cfm)	642	784	1521	1521	1521	1836	3531	3531	5202
Heat dissipated by cooling medium (approx) (kW)	2.27	2.9	3.33	4.15	4.5	5.25	6.34	7.78	9.17
DESIGN DATA									
Refrigerant type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant amount (lbs)	1.32	1.32	1.76	1.65	2.43	3.31	3.31	4.08	4.3
Shipping weight (lbs)	143	143	187	187	198	346	375	390	390
Canopy length (in)	21.9	21.9	23.1	23.1	23.8	42.1	42.1	42.1	42.1
Canopy width (in)	18.1	18.1	22.8	22.8	22.8	31.7	31.7	31.7	31.7
Canopy heigth (in)	31.1	31.1	35.4	35.4	35.4	37.9	37.9	37.9	37.9
Inlet and outlet connections (NPT)	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"