

**TECHNICAL DATA SHEET**  
**QPVS-210 QPVS-300 QPVS-380 QPVS-465 QPVS-550 QPVS-635**  
**460/3/60hz**



	QPVS-210 460V	QPVS-300 460V	QPVS-380 460V	QPVS-465 460V	QPVS-550 460V	QPVS-635 460V
--	------------------	------------------	------------------	------------------	------------------	------------------

**REFERENCE CONDITIONS**

Inlet air temperature (°F)	100	100	100	100	100	100
Inlet air pressure (psi(g))	102	102	102	102	102	102
Ambient air temperature (°F)	100	100	100	100	100	100
Inlet relative humidity (%)	100	100	100	100	100	100
Volume flow (cfm)	212	300	381	466	551	636

**LIMITATIONS**

Min ambient temperature (°F)	41	41	41	41	41	41
Max ambient temperature (°F)	115	115	115	115	115	115
Max air inlet temperature (°F)	140	140	140	140	140	140
Max air inlet pressure (psi(g))	210	210	210	210	210	210

**PERFORMANCE DATA**

Control mode	Total electrical power input (kW)					
	QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
Lowest dewpoint	0.72	1.07	1.57	2.08	2.21	2.84
Maximum saving	0.29	0.43	0.63	0.82	1.28	1.52
Economy	0.43	0.64	0.94	1.12	1.33	1.7

Control mode	Pressure dewpoint air outlet (°F)					
	QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
Lowest dewpoint	39	39	39	39	39	39
Maximum saving	61	61	61	61	61	61
Economy	48	48	48	48	48	48

Cooling air flow approx (cfm)					
QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
1000	1000	1000	3532	3532	4708

Fan(s) electrical power input (kW)					
QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
0.18	0.18	0.18	0.86	0.86	1.1

Heat dissipated by cooling medium flow (kW)					
QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
7.41	9.23	12.32	14.61	17.31	21.3

**DESIGN DATA**

Refrigerant type	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant amount (lbs)	2.43	2.47	2.2	2.98	2.98	5.29
Refrigerant GWP	2088	2088	2088	2088	2088	2088
Tons of CO2 Equivalent	2.54	2.58	2.3	3.11	3.11	5.83
Net weight (lbs)	287	295	306	315	331	364
Width (in)	32	32	32	32	32	32
Height (in)	38	38	38	38	38	38
Length (in)	41	41	41	41	41	41
Inlet/Outlet Dimensions (NPT)	1-1/2" F	2" F	2" F	2-1/2" F	2-1/2" F	2-1/2" F
Pressure drop over dryer (psi)	2.32	1.6	2.61	2.03	1.45	2.61
Sound level (dB(A))	67	67	67	67	67	67

**TECHNICAL DATA SHEET**  
**QPVS-210 QPVS-300 QPVS-380 QPVS-465 QPVS-550 QPVS-635**  
**380/3/50hz**



	QPVS-210 460V	QPVS-300 460V	QPVS-380 460V	QPVS-465 460V	QPVS-550 460V	QPVS-635 460V
--	------------------	------------------	------------------	------------------	------------------	------------------

**REFERENCE CONDITIONS**

Inlet air temperature (°F)	100	100	100	100	100	100
Inlet air pressure (psi(g))	102	102	102	102	102	102
Ambient air temperature (°F)	100	100	100	100	100	100
Inlet relative humidity (%)	100	100	100	100	100	100
Volume flow (cfm)	210	300	381	466	551	636

**LIMITATIONS**

Min ambient temperature (°F)	41	41	41	41	41	41
Max ambient temperature (°F)	115	115	115	115	115	115
Max air inlet temperature (°F)	140	140	140	140	140	140
Max air inlet pressure (psi(g))	210	210	210	210	210	210

**PERFORMANCE DATA**

Control mode	Total electrical power input (kW)					
	QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
Lowest dewpoint	0.66	1.04	1.54	1.77	1.9	2.64
Maximum saving	0.26	0.42	0.62	0.83	0.97	1.32
Economy	0.4	0.62	0.92	0.96	1.14	1.58

Control mode	Pressure dewpoint air outlet (°F)					
	QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
Lowest dewpoint	39	39	39	39	39	39
Maximum saving	61	61	61	61	61	61
Economy	48	48	48	48	48	48

Cooling air flow approx (cfm)					
QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
1000	1000	1000	3532	3532	4708

Fan(s) electrical power input (kW)					
QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
0.18	0.18	0.18	0.86	0.86	1.1

Heat dissipated by cooling medium flow (kW)					
QPVS-210	QPVS-300	QPVS-380	QPVS-465	QPVS-550	QPVS-635
7.38	9.2	12.3	14.35	17	21.1

**DESIGN DATA**

Refrigerant type	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant amount (lbs)	2.43	2.47	2.2	2.98	2.98	5.29
Refrigerant GWP	2088	2088	2088	2088	2088	2088
Tons of CO2 Equivalent	2.54	2.58	2.3	3.11	3.11	5.83
Net weight (lbs)	287	295	306	315	331	364
Width (in)	32	32	32	32	32	32
Height (in)	38	38	38	38	38	38
Length (in)	41	41	41	41	41	41
Inlet/Outlet Dimensions (NPT)	1-1/2" F	2" F	2" F	2-1/2" F	2-1/2" F	2-1/2" F
Pressure drop over dryer (psi)	2.32	1.6	2.61	2.03	1.45	2.61
Sound level (dB(A))	67	67	67	67	67	67