



QCMD4-11 Technical Data Sheets

Dual Rated 115-230V/1PH/50-60HZ -40°F Dew Point

QCMD-4	QCMD-7	QCMD-11
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REFERENCE CONDITIONS			
Inlet air pressure (psi(g))	100	100	100
Inlet air temperature (°F)	100	100	100
Pressure dewpoint (°F)	-40	-40	-40
Inlet relative humidity (%)	100	100	100
Ambient pressure (psi(a))	14.7	14.7	14.7
Ambient air temperature (°F)	100	100	100
Ambient relative humidity (%)	90	90	90

LIMITATIONS			
Minimum ambient temperature (°F)	35.0	35.0	35.0
Maximum ambient temperature (°F)	113.0	113.0	113.0
Minimum inlet air pressure (psi(g))	58.0	58.0	58.0
Maximum inlet air pressure (psi(g))	203.0	203.0	203.0
Minimum inlet air temperature (°F)	35.0	35.0	35.0
Maximum inlet air temperature (°F)	122.0	122.0	122.0
Minimum flow at inlet (cfm)	0.6	1.3	2.2

PERFORMANCE DATA			
Volume flow at dryer inlet (cfm)	3.4	6.5	10.7
Pressure drop at maximum flow (psi)	2.20	2.40	2.70
Time to half a cycle (h)	0.03	0.03	0.03
Regenerating time (s)	90	90	90
Pressurisation time (s)	18	18	18
Regen air consumption average (%)	17	17	17
Regen air consumption peak (%)	20	20	20
Installed power (kW)	0.05	0.05	0.05
Power consumption average (kW)	0.04	0.04	0.04

DESIGN DATA			
Length (inch)	7.2	7.2	7.2
Width (inch)	9.3	9.3	9.3
Height (inch)	16.9	20.7	26.6
Desiccant type	50% AA Beads 50% Molecular Sieve	50% AA Beads 50% Molecular Sieve	50% AA Beads 50% Molecular Sieve
Connection inlet/outlet	1/2" PUSH IN	1/2" PUSH IN	1/2" PUSH IN
Mass (lbs)	16.5	20.9	27.5
Inlet filter 1	QCF-15	QCF-15	QCF-15
After Filter	Integrated	Integrated	Integrated
Total Desiccant (lbs)	1.0	1.5	2.3