

QV10HS32 Rotary Vane Pump

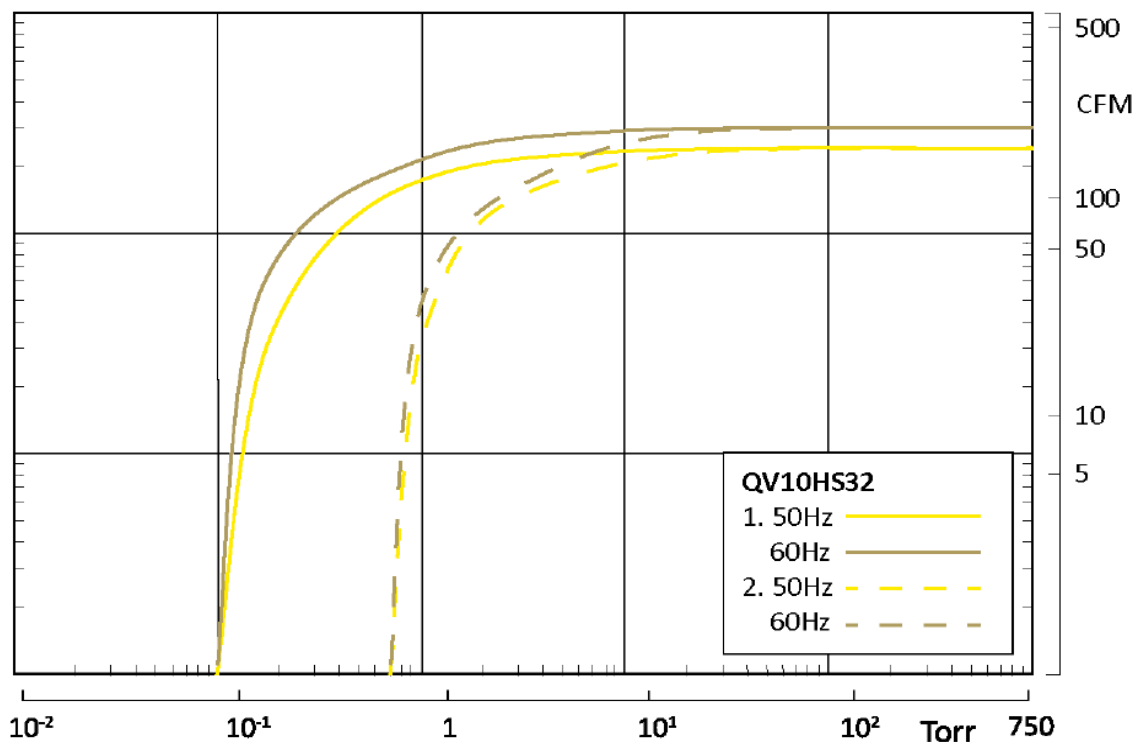
PRODUCT OVERVIEW

Model	QV10HS32
Cooling	Air Cooled
Frequency (Hz)	60
Phases	3
Supply Voltage (V)	200 / 230 / 460V
Mounting	Floor mounted

PERFORMANCE DATA

Volumetric Flowrate @ 60 Hz (m ³ /h / cfm) ¹	340 / 200
Ultimate pressure, gas ballast closed (mbara / "HgV / Torr) ¹	0.1 / 29.9 / 0.08
Ultimate pressure, gas ballast open (mbara / "HgV / Torr) ¹	0.7 / 29.89 / 0.5
Mean sound pressure level at 1m distance, 60Hz (dBA) ²	76

PERFORMANCE CURVE



1. Without gas ballast

2. With gas ballast

QV10HS32 Rotary Vane Pump

REFERENCE CONDITIONS

Relative humidity (%)	0
Ambient barometric pressure (mbara / psia)	1013 / 14.7
Ambient temperature (°C / °F)	20 / 68
Process gas inlet temperature (°C / °F)	20 / 68
Exhaust back pressure (barg / psig)	0 / 0
Motor shaft speed (rpm @ 60Hz)	1800

LIMITATIONS

Maximum inlet pressure for continuous operation (mbara / "HgA / Torr)	1013 / 29.91 / 760
Minimum ambient temperature (°C / °F) ³	12 / 53.6
Maximum ambient temperature (°C / °F)	40 / 104
Minimum allowable gas inlet temperature (°C / °F)	12 / 53.6
Maximum allowable gas inlet temperature (°C / °F)	40 / 104
Maximum exhaust back pressure (mbarg / psig)	150 / 2.2
Maximum inlet pressure for water vapor w/ standard gas ballast (mbara / Torr)	12 / 9
Maximum water vapor pumping rate w/ standard gas ballast (kg/hr, lb/hr)	1.8 / 3.9
Maximum altitude (ft) - refer to the Product Manager at higher altitudes	3000

DESIGN DATA

Pump length (mm / inches)	1090 / 42.92
Pump width (mm / inches)	554.4 / 21.83
Pump height (mm / inches)	450 / 17.72
Net weight (kg / lbs)	216 / 476.2
Number of compression stages	1
Oil capacity (approx.) (L / US Quart)	8.5 - 11.5 / 9.0 - 12.2
Mineral Oil Viscosity (ISO)	VG68
Synthetic Oil Viscosity (ISO)	VG100
Connection inlet	2" FNPT
Connection outlet	2" FNPT
Rated power of installed motor (kW / Hp)	6.6 / 8.8
Installed Motor FLA (200 / 230 / 460V)	26 / 22.6 / 12.2
Installed Motor Service Factor	1.0
Motor Efficiency @ Full Load	91.7% (IE3)

REMARKS

- (1) Per DIN 28 400 and following numbers
- (2) Measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method)
- (3) Lower temperatures are possible with reduced viscosity oil. This temperature range is defined by Pneuop for performance conformity testing, but 8 °C is the critical point from the motor starting view point.

QV10HW11 Rotary Vane Pump

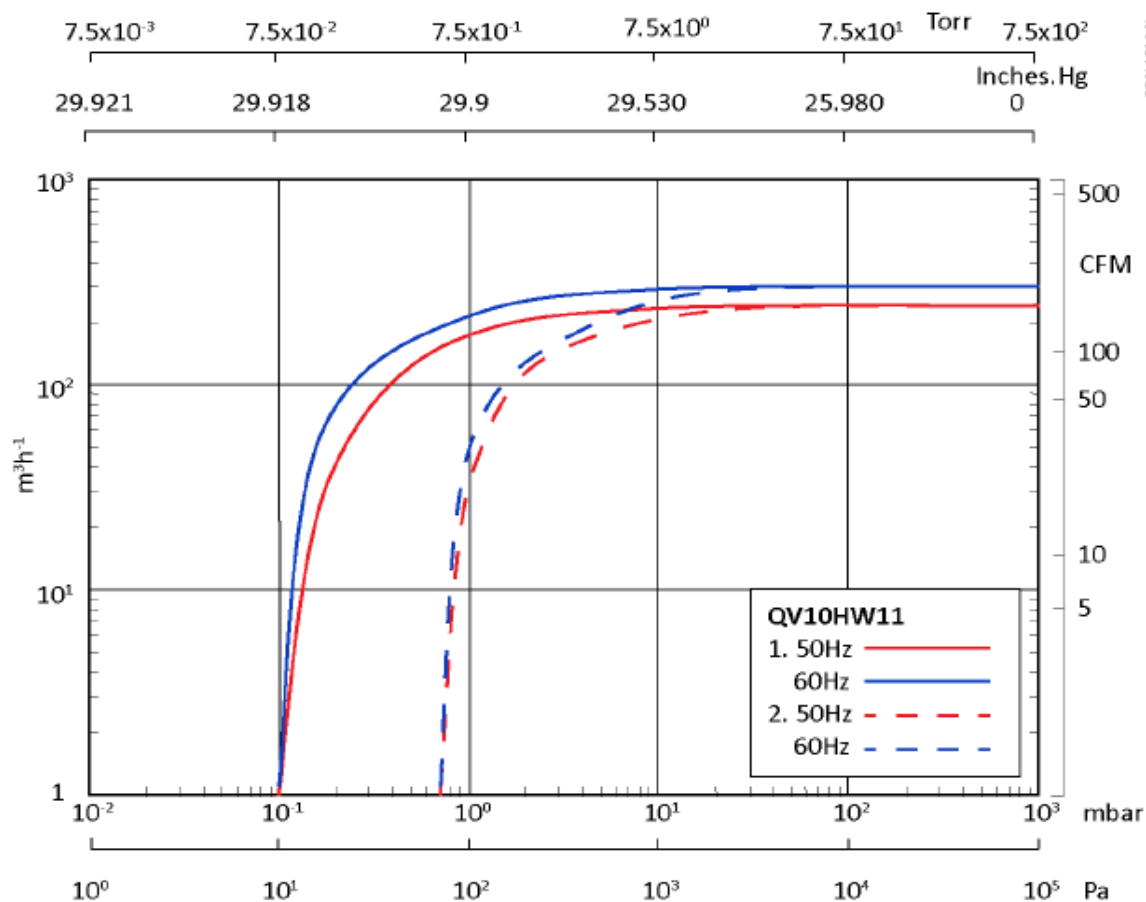
PRODUCT OVERVIEW

Model	QV10HW11
Cooling	Air Cooled
Frequency (Hz)	60
Phases	3
Supply Voltage (V)	575V
Mounting	Floor mounted

PERFORMANCE DATA

Volumetric Flowrate @ 60 Hz (m ³ /h / cfm) ¹	340 / 200
Ultimate pressure, gas ballast closed (mbara / "HgV / Torr) ¹	0.1 / 29.9 / 0.08
Ultimate pressure, gas ballast open (mbara / "HgV / Torr) ¹	0.7 / 29.89 / 0.5
Mean sound pressure level at 1m distance, 60Hz (dBA) ²	76

PERFORMANCE CURVE



1. Without gas ballast

2. With gas ballast

REFERENCE CONDITIONS

Relative humidity (%)	0
Ambient barometric pressure (mbara / psia)	1013 / 14.7
Ambient temperature (°C / °F)	20 / 68
Process gas inlet temperature (°C / °F)	20 / 68
Exhaust back pressure (barg / psig)	0 / 0
Motor shaft speed (rpm @ 60Hz)	1800

LIMITATIONS

Maximum inlet pressure for continuous operation (mbara / "HgA / Torr)	1013 / 29.91 / 760
Minimum ambient temperature (°C / °F) ³	12 / 53.6
Maximum ambient temperature (°C / °F)	40 / 104
Minimum allowable gas inlet temperature (°C / °F)	12 / 53.6
Maximum allowable gas inlet temperature (°C / °F)	40 / 104
Maximum exhaust back pressure (mbarg / psig)	150 / 2.2
Maximum inlet pressure for water vapor w/ standard gas ballast (mbara / Torr)	10 / 7.5
Maximum water vapor pumping rate w/ standard gas ballast (kg/hr, lb/hr)	1.3 / 2.87
Maximum altitude (ft) - refer to the Product Manager at higher altitudes	3000

DESIGN DATA

Pump length (mm / inches)	1066.2 / 41.98
Pump width (mm / inches)	554.4 / 21.83
Pump height (mm / inches)	455.1 / 17.92
Net weight (kg / lbs)	232 / 511.5
Number of compression stages	1
Oil capacity (approx.) (L / US Quart)	8.5 - 11.5 / 9.0 - 12.2
Mineral Oil Viscosity (ISO)	VG68
Synthetic Oil Viscosity (ISO)	VG100
Connection inlet	2" FNPT
Connection outlet	2" FNPT
Rated power of installed motor (kW / Hp)	7.5 / 10
Installed Motor FLA (575V)	10.4
Installed Motor Service Factor	1.15
Motor Efficiency @ Full Load	91.7% (IE3)

REMARKS

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- (2) Measured according to ISO 2151:2004 using ISO 9614/2 (sound intensity method)
- (3) Lower temperatures are possible with reduced viscosity oil. This temperature range is defined by Pneuop for performance conformity testing, but 8 °C is the critical point from the motor starting view point.