



ENGINEERING DATA SHEET

Nominal Power - Main Motor	Model	QGV75		
Nominal Power - Main Motor	kW	55		
Rated Discharge Pressure	HP	75		
	(psig)	100 Psi	125 Psi	150 Psi

Reference conditions		QGV75		
	bar abs	1		
Relative humidity	%	0		
Ambient temperature	°F	68		
Setting thermostatic valve	°F	181		
Nominal motor power	kW	55		
Minimum working pressure	psi	75		
Maximum working pressure	(2) psi	150		
Min/Max ambient temperature	°F	32/115		
Oil Capacity	(9) Gallons	6.35		

Performance Data Standard Unit		QGV75			
Compressor Motor RPM	Male Rotor Shaft rpm		100 Psi	125 Psi	150 Psi
1160	749	(1) cfm	112.3	109.2	106.4
1640	1059	(1) cfm	166.1	163.4	160.1
2120	1370	(1) cfm	219.9	217.7	213.8
2600	1680	(1) cfm	273.7	271.7	267.6
2930	1893	(1) cfm	310.7	309.0	304.5
3225	2083	(1) cfm	343.7	342.3	
3560	2300	(1) cfm	381.3		
Package Power					
1160	749	KW	25.1	27.7	30.7
1640	1059	KW	33.8	37.2	41.0
2120	1370	KW	42.5	46.8	51.4
2600	1680	KW	51.2	56.3	61.7
2930	1893	KW	57.2	62.8	68.8
3225	2083	KW	62.6	68.7	
3560	2300	KW	68.7		
Compressor SER					
1160	749	(5) KW/100cfm	22.4	25.4	28.85
1640	1059	(5) KW/100cfm	20.3	22.8	25.61
2120	1370	(5) KW/100cfm	19.3	21.5	24.04
2600	1680	(5) KW/100cfm	18.7	20.7	23.06
2930	1893	(5) KW/100cfm	18.4	20.3	22.59
3225	2083	(5) KW/100cfm	18.2	20.1	
3560	2300	(5) KW/100cfm	18.0		

Power input at no load	kW	0		
Power input cooling fan(s)	kW	1.8		
Drive motor efficiency	(3) %	94		
Fan motor efficiency	(3) %	78		
Residual oil content in air	(3) ppm	<3		
Noise level - Air Cooled @70% Load	(6) dB(A)	73.2		



Design Data		QGV75
Dimensions (maximum)		
Length	inches	75.8
Width	inches	49.9
Height	inches	78.8
Net Weight - Air Cooled	lbs	3191
Air Discharge	Inches NPT	2
Condensate Drain	Inches NPT	1/2"
Aftercooler CTD	(°F)	9
Ventilation air delivery @ 68°F	cfh	380692
Max. allowable pressure drop in ducting @115F	in H2O	0.25
Recoverable Energy	(BTU/MIN)	3516

Electrical Data

Full load current (Amps)	(7) (8) 380/3/60	110
Full load current (Amps)	(7) (8) 460/3/60	91
Full load current (Amps)	(7) (8) 575/3/60	73

WaterCooled Performance Data

		QGV75
Heat Rejection Oil	btu/min	2813
Heat Rejection Air	btu/min	703
Approach Temperature Air	(°F)	5
Water Flow w/aftercooler	GPM	30
Water Piping connection size	Inches NPT	1 1/2" (FEMALE)

Notes:

- (1) FAD (Free Air Delivery) is full package performance including all losses. Tested in accordance with Annex C to ISO 1217
 - (2) Maximum pressure at package discharge, value at which compressor will stop when unit operating at maximum target pressure
 - (3) IE3 efficiency motor
 - (4) Measured at rated capacity and rated pressure
 - (5) Specific power Rated and Certified in accordance with Annex C to ISO 1217
 - (6) Measured according to ISO 2151: 2004 using ISO 9614/2 (sound intensity method). @ 70% load
 - (7) 90°C copper cables. Always apply local electrical codes for sizing cables and fusing.
 - (8) Fast Acting Class-J, T or Semiconductor type fuse required. Apply local electrical codes for fuse sizing
 - (9) Fluid volumes listed are approximate. See operator manual for coolant fill procedure.
- Design and specifications are subject to change without notice or obligation.