



	Model	QGSV-40					QGSV-50				
Nominal Power - Main Motor	kW		30					37			
Nominal Power - Main Motor	HP		40					50			
Rated Discharge Pressure	(psig)	100	125	150	175	100	125	150	175		
Maximum Operating Pressure	(2) (psig)	107	132	157	183	107	132	157	183		
Motor Insulating class/protection			F/IP55					F/IP55			

Reference Conditions		QGSV-40					QGSV-50			
	bar abs		1					1		
Relative humidity	%		0					0		
Ambient temperature	°F		68					68		
Nominal motor power	Hp		20					25		
Minimum working pressure	psi		100					100		
Min/Max ambient temperature	°F		34 / 115					34 / 115		
Oil Capacity	(9) Gallons		2.7					2.7		

Performance Data Standard Unit		QGSV-40					QGSV-50			
	(psig)	100	125	150	175	100	125	150	175	
Capacity FAD	(1) cfm	193.6	176.9	161.8	144.8	217.2	198.9	182.7	163.8	
Package Input Power with Fan - Air Cooled	(4) kW	39.8	38.7	38.8	39.1	46.0	45.2	44.0	42.4	
Specific Power - Air Cooled	(5) kW/100cfm	20.6	21.9	24.0	26.3	21.2	22.7	24.1	25.9	
Male Rotor Speed	rpm	7023	6480	5934	5388	7980	7320	6660	6000	
Drive motor efficiency	(3) %			91				91.7		
Fan motor efficiency	%			NA				NA		
Residual oil content in air	ppm			<3				<3		
Noise level	dB(A)			70				70		

Basemount Design Data		QGSV-40					QGSV-50			
Length	in		52.4					52.4		
Width	in		32.6					32.6		
Height	in		61.2					61.2		
Net Weight - Air Cooled BM	lbs		1085					1133.2		

Basemount Dryer Design Data		QGSV-40					QGSV-50			
Length	in		71.4					71.4		
Width	in		32.6					32.6		
Height	in		61.2					61.2		
Net Weight - Air Cooled BMD	lbs		1338					1386.7		

Cooling Air Volume	cfh		123319					123319		
Max Allowable Pressure in Duct	in H2O		0.25					0.25		

Electrical Data		QGSV-40					QGSV-50			
Full load current (Amps)	(7) (8) 460/3/60		60.2					72.1		

Performance Data Dryer Unit		QGSV-40					QGSV-50			
	(psig)	100	125	150	175	100	125	150	175	
Power input integrated dryer	W		1754					1754		
Dryer Voltage (Separate Electrical)	V/Hz		115/60					115/60		
Gas Type			R410A					R410A		

Electrical Data Dryer		QGSV-40					QGSV-50			
Full load current (Amps)	(7) (8) 115/1/60		18					18		

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 E to ISO 1217
- (6) Measured according to ISO 2151: 2004 using ISO 9614/2 (sound intensity method).
- (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.