

	Model	QGSV-10		QGSV-15			QGSV-20S		
Nominal Power - Main Motor	kW	7.5		11			15		
Nominal Power - Main Motor	HP	10		15			20		
Rated Discharge Pressure	(psig)	100	150	100	150	175	100	150	175
Maximum-Minimum Operating Pressure	(2) (psig)	181		181			181		
<b>Motor Insulating class/protection</b>		F/IP55		F/IP55			F/IP55		
<b>Reference Conditions</b>		QGSV-10		QGSV-15			QGSV-20S		
Ambient Pressure	bar abs	1		1			1		
Relative humidity	%	0		0			0		
Ambient temperature	°F	68		68			68		
Nominal motor power	Hp	10		15			20		
Male Rotor Speed	rpm	5023	4447	7597	6355	5118	9047	7581	5815
Minimum working pressure	psi	70		70			70		
Min/Max ambient temperature	°F	34 / 115		34 / 115			34 / 115		
Oil Capacity	(9) Gallons	0.92		1.24			1.37		
<b>Performance Data Standard Unit</b>		QGSV-10		QGSV-15			QGSV-20S		
	(psig)	100	150	100	150	175	100	150	175
<b>Capacity FAD</b>	(1) cfm	43.2	34.3	67.1	51.3	41.7	75.5	63.3	47.5
<b>Package Input Power with Fan - Air Cooled</b>	(4) kW	10.4	10.4	15.0	13.8	12.7	17.4	17.4	13.8
<b>Specific Power - Air Cooled</b>	(5) kW/100cfm	24.1	30.1	22.3	26.9	30.6	23.1	27.5	29.2
Drive motor efficiency	(3) %	90.3		91			91.2		
Fan motor efficiency	%	NA		NA			NA		
Residual oil content in air	ppm	2		2			2		
Noise level	dB(A)	64		65			65		
<b>Basemount Design Data</b>		QGSV-10		QGSV-15			QGSV-20S		
Length	inches	40		40			40		
Width	inches	25		25			25		
Height	inches	42		42			42		
Net Weight - Air Cooled BM	lbs	518		553			560		
Air Discharge	Inches NPT	3/4" (Female)		3/4" (Female)			3/4" (Female)		
<b>Tankmount Design Data TM &amp; TMD</b>		120	Gallons	QGSV-10		QGSV-15		QGSV-20S	
Length	inches	77		77			77		
Width	inches	26		26			26		
Height	inches	67		67			67		
Net Weight - Air Cooled TM	lbs	884		919			926		
Net Weight - Air Cooled TMD	lbs	986		1025			1065		
Tank Air Discharge	Inches NPT	3/4" (Female)		3/4" (Female)			3/4" (Female)		
Tank Condensate Drain	Inches NPT	3/8" (Female)		3/8" (Female)			3/8" (Female)		
Ventilation air delivery @ 68°F	m <sup>3</sup> /h	2200		2200			2200		
Max allowable pressure in duct	Pa	30		30			30		
<b>Electrical Data</b>		QGSV-10		QGSV-15			QGSV-20S		
Full load current (Amps)	(7) (8) 208/3/60	35.4		51.1			70.1		
Full load current (Amps)	(7) (8) 230/3/60	32		46.2			63.4		
Full load current (Amps)	(7) (8) 460/3/60	16		23.1			31.7		
<b>Dryer Data</b>		QGSV-10		QGSV-15			QGSV-20S		
Dryer Input Power @ Full Load	KW	0.474		0.581			0.581		
Dryer Max Current	Amp	5.2		5.9			5.9		
Dryer Input Voltage	V/PH/Hz	115/1/60		115/1/60			115/1/60		
Gas Type		R134A		R134A			R134A		
Total Gas Amount	kg	0.35		0.45			0.45		
Pressure dew point (int. dryer)@ 68°F 100% RH	°F	37.4		37.4			37.4		

Notes:

- (1) FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217 : 2009 Annex C
- (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 guaranteed in accordance with ISO 1217 : 2009 Annex C
- (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) Time delay fuse recommended. Apply local electrical codes for fuse sizing
- (9) Fluid volumes listed are approximate. See operator manual for coolant fill procedure.