		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	175	100	150	175	100	150	175
Maximum-Minimum Operating Pressure	(2)	(psig)		181			181			181	
Motor Insulating class/protection				F/IP55			F/IP55			F/IP55	
Reference Conditions				QGSV-10			QGSV-15			QGSV-20S	
Ambient Presure		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	3824	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	
Performance Data Standard Unit											
		(psig)	**100**	**150**	**175**	**100**	**150**	**175**	**100**	**150**	**175**
Capacity FAD	(1)	cfm	41.4	35.4	31.6	65.1	52.3	44.1	78.7	62.4	52.7
Package Input Power with Fan - Air Cooled	(4)	kW	10.3	10.4	10.5	15.5	14.9	14.2	18.8	17.4	16.2
Specific Power - Air Cooled	(5)	kW/100cfm	24.9	29.5	33.2	23.8	28.5	32.30	23.9	28.0	30.9
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	
Basemount Design Data				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)
Tankmount Design Data TM & TMD	**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^3/h		2200			2200			2200	
Max allowable pressure in duct		Pa		30			30			30	
Electrical Data				QGSV-10			QGSV-15			QGSV-20S	
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	

Dryer Data		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) Fast-acting fuse recommended. Apply local electrical codes for fuse sizing

(9) Fluid volumes listed are approximate. See operator manual for coolant fill proceedure.

		Model	QGSV-20				QGSV-25				QGSV-30			
Nominal Power - Main Motor		kW	15				18.5				22			
Nominal Power - Main Motor		HP	20				25				30			
Rated Discharge Pressure		(psig)	100	125	150	175	100	125	150	175	100	125	150	175
Maximum Operating Pressure	(2)	(psig)	107	132	157	183	107	132	157	183	107	132	157	183
Motor Insulating class/protection			F/IP55				F/IP55				F/IP55			
Reference Conditions			QGSV-20				QGSV-25				QGSV-30			
		bar abs	1				1				1			
Relative humidity		%	0				0				0			
Ambient temperature		°F	68				68				68			
Nominal motor power		Hp	20				25				30			
Minimum working pressure		psi	100				100				100			
Min/Max ambient temperature		°F	34 / 115				34 / 115				34 / 115			
Oil Capacity	(9)	Gallons	2.7				2.7				2.7			
Performance Data Standard Unit			QGSV-20				QGSV-25				QGSV-30			
		(psig)	**100**	**125**	**150**	**175**	**100**	**125**	**150**	**175**	**100**	**125**	**150**	**175**
Capacity FAD	(1)	cfm	100.3	85.9	78.4	71.5	119.8	110.1	97.2	83.1	139.0	124.0	112.4	103.7
Package Input Power with Fan - Air Cooled	(4)	kW	20.9	19.4	19.8	20.1	25.6	25.6	24.3	22.5	30.2	28.9	28.4	28.2
Specific Power - Air Cooled	(5)	kW/100cfm	20.8	22.6	25.2	28.1	21.4	23.3	25.0	27.1	21.7	23.3	25.2	27.2
Male Rotor Speed		rpm	5992	5184	4856	4539	7268	6607	5841	5038	8344	7395	6739	6266
Drive motor efficiency	(3)	%	91				91.7				91.7			
Fan motor efficiency		%	NA				NA				NA			
Residual oil content in air		ppm	<3				<3				<3			
Noise level		dB(A)	68				70				71			
Basemount Design Data			QGSV-20				QGSV-25				QGSV-30			
Length		in	48				48				48			
Width		in	33				33				33			
Height		in	48				48				48			
Net Weight - Air Cooled BM		lbs	683				717				728			
Tankmount Design Data	**120**	**Gallons**	QGSV-20				QGSV-25				QGSV-30			
Length		in	77				77				77			
Width		in	33				33				33			
Height		in	74				74				74			
Net Weight - Air Cooled TM		lbs	1113				1169				1202			
Condensate Drain (Tank Only)			3/8			(FEMALE)	3/8			(FEMALE)	3/8			(FEMALE)
Air Discharge		Inches NPT	1"			(FEMALE)	1"			(FEMALE)	1"			(FEMALE)
Cooling Air Volume		m^3/h	3492				3492				3492			
Max Allowable Pressure in Duct		Pa	30				30				30			
Electrical Data			QGSV-20				QGSV-25				QGSV-30			
Full load current (Amps)	(7) (8)	460/3/60	28.8				35.9				41.3			
Performance Data Dryer Unit			QGSV-20				QGSV-25				QGSV-30			
		(psig)	**100**	**125**	**150**	**175**	**100**	**125**	**150**	**175**	**100**	**125**	**150**	**175**
Power input integrated dryer		W	1300				1640				1640			
Dryer Voltage (Separate Electrical)		V/Hz	115/60				115/60				115/60			
Gas Type			R513A				R513A				R513A			
Basemount Dryer Design Data			QGSV-20				QGSV-25				QGSV-30			
Length		in	53				53				53			
Width		in	33				33				33			
Height		in	48				48				48			
Net Weight - Air Cooled BMD		lbs	838				904				937			
Tankmount Dryer Design Data	**120**	**Gallons**	QGSV-20				QGSV-25				QGSV-30			
Length		in	77				77				77			
Width		in	33				33				33			
Height		in	74				74				74			
Net Weight - Air Cooled TMD		lbs	1179				1224				1246			
Condensate Drain (Tank Only)			3/8			(FEMALE)	3/8			(FEMALE)	3/8			(FEMALE)
Air Discharge		Inches NPT	1"			(MALE)	1"			(MALE)	1"			(MALE)
Electrical Data Dryer			QGSV-20				QGSV-25				QGSV-30			
Full load current (Amps)	(7) (8)	115/1/60	18				18				18			

Notes:

(1) FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217 : 2009 Annex C

(6) Measured according to ISO 2151: 2004 using ISO 9614/2 (soun

(2) Max pressure at pkg discharge, value at which compressor will stop when unit operating at max 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

(7) 90°C copper cables. Always apply local electrical codes for sizing

(8) Fast-acting fuse recommended. Apply local electrical codes for fuse sizing

(9) Fluid volumes listed are approximate. See operator manual for coolant fill procedure.

		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	40	50
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	169510	169510
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 proceedure.

		Model	QGSV 60
Nominal Power - Main Motor		kW	45
Nominal Power - Main Motor		HP	60
Rated Discharge Pressure		Pressure	**100 Psi** **125 Psi**
Motor Insulating class/protection			F/IP55

Reference conditions			
Ambient pressure		bar abs	1
Relative humidity		%	0
Ambient temperature		°F	68
Setting thermostatic valve		°F	181
Nominal motor power		Hp	60
Minimum working pressure		psi	100
Maximum working pressure	(2)	psi	132
Min/Max ambient temperature		°F	34/104
Oil Capacity	(7)	Gallons	5.8

Performance Data Standard Unit			100 Psi	125 Psi
Compressor Motor RPM				
1246	(1)	cfm	65.0	-
1369	(1)	cfm	72.3	70.4
1856	(1)	cfm	101.0	98.4
2092	(1)	cfm	114.8	112.7
2499	(1)	cfm	139.0	137.4
3106	(1)	cfm	175.0	175.0
3748	(1)	cfm	212.1	213.2
4403	(1)	cfm	250.7	247.5
4631	(1)	cfm	263.8	-
Package Power				
1246		kW	14.4	-
1369		kW	15.7	17.0
1856		kW	21.0	22.0
2092		kW	23.6	24.5
2499		kW	27.9	28.8
3106		kW	34.4	35.5
3748		kW	41.4	43.4
4403		kW	48.4	51.7
4631		kW	50.8	-
Compressor SER				
1246	(5)	kW/100cfm	22.2	-
1369	(5)	kW/100cfm	22.0	24.2
1856	(5)	kW/100cfm	21.0	22.4
2092	(5)	kW/100cfm	20.5	21.9
2499	(5)	kW/100cfm	20.1	21.0
3106	(5)	kW/100cfm	19.7	20.3
3748	(5)	kW/100cfm	19.4	20.4
4403	(5)	kW/100cfm	19.3	20.9
4631	(5)	kW/100cfm	19.3	-

Power input at no load		kW	0
Power input cooling fan		kW	1
Drive motor efficiency		%	92.6
Fan motor efficiency		%	N/A
Residual oil content in air		ppm	<3
Noise level	(6)	dB(A)	74.5

Electrical Data			QGS60
Full load current (Amps)	(8) (9)	460/3/60	72.1
Full load current (Amps) Dryer	(8) (9)	460/3/60	76.9

Basemount Design Data		QGSV-60
Length	in	52.4
Width	in	32.6
Height	in	61.2
Net Weight - Air Cooled BM	lbs	1446.2
Dim outlet	in	1-1/4

Basemount Dryer Design Data		QGSV-60
Length	in	71.4
Width	in	32.6
Height	in	61.2