



	Model	QGDV15			QGDV20			QGDV25			QGDV30		
Nominal Power - Main Motor	kW	11			15			18			22		
Nominal Power - Main Motor	HP	15			20			25			30		
Rated Discharge Pressure	(psig)	100	125	150	100	125	150	100	125	150	100	125	150
Maximum Operating Pressure	(2) (psig)	157	157	157	157	157	157	157	157	157	157	157	157
Reference conditions													
	bar abs	1			1			1			1		
Relative humidity	%	0			0			0			0		
Ambient temperature	°F	68			68			68			68		
Setting thermostatic valve	°F	167			167			167			167		
Motor shaft speed Min	rpm	1620			1620			1320			1140		
Motor shaft speed Max	rpm	4440			4440			4470			4710		
Minimum working pressure	psi	58			58			58			58		
Min/Max ambient temperature	°F	32 / 115			32 / 115			32 / 115			32 / 115		
Oil Capacity	(9) Gallons	3.43			3.43			3.43			3.43		
Performance Data Standard Unit													
	(psig)	100	125	150	100	125	150	100	125	150	100	125	150
Capacity FAD	(1) cfm	79.9	72.3	63.6	102.6	96.2	87.1	127.1	117.6	106.8	154.5	141.3	124.8
Package Input Power with Fan - Air Cooled	(4) kW	16.2	16.5	16.5	20.3	21.2	21.6	25.3	25.7	26.0	31.0	30.7	29.9
Specific Power - Air Cooled	(5) kW/100cfm	20.3	22.8	25.9	19.8	22.0	24.8	19.9	21.9	24.3	20.1	21.7	24.0
Power input cooling fan	kW	0.8			0.8			0.8			0.8		
Drive motor efficiency	(3) %	91			91			91			91		
Fan motor efficiency	%	65			65			65			65		
Inverter Drive efficiency	%	98			98			98			98		
Residual oil content in air	ppm	<2			<2			<2			<2		
Noise level	dB(A)	66			66			66			66		
Basemount Design Data													
Length	inches	56.4			56.4			56.4			56.4		
Width	inches	33.1			33.1			33.1			33.1		
Height	inches	50.3			50.3			50.3			50.3		
Net Weight - Air Cooled BM (460V)	lbs	1052			1069			1135			1171		
Tankmount Design Data													
	120 Gallons												
Length	inches	73.6			73.6			73.6			73.6		
Width	inches	33.1			33.1			33.1			33.1		
Height	inches	74.8			74.8			74.8			74.8		
Net Weight - Air Cooled TM (460V)	lbs	1553			1570			1636			1672		
Air Discharge	Inches NPT	1"	(MALE)		1"	(MALE)		1"	(MALE)		1"	(MALE)	
Condensate Drain		5/16	(Push-in)		5/16	(Push-in)		5/16	(Push-in)		5/16	(Push-in)	
Ventilation air delivery @ 68°F	cfh	190699			190699			190699			190699		
Electrical Data													
Full load current (Amps)	(7) (8) 230/3/60	50			67			78			89		
Full load current (Amps)	(7) (8) 460/3/60	27			33			38			45		
Full load current (Amps)	(7) (8) 575/3/60	21			27			31			38		
Performance Data Dryer Unit													
	(psig)	100	125	150	100	125	150	100	125	150	100	125	150
Capacity FAD	(1) cfm	79.7	70.8	62.9	101.9	94.4	86.8	129.6	120.0	110.6	129.6	120.0	110.6
Package Input Power with Fan - Air Cooled	(4) kW	17.2	17.5	17.5	21.3	22.2	22.6	26.9	27.3	27.6	32.6	32.3	31.5
Specific Power - Air Cooled	(5) kW/100cfm	21.6	24.8	27.8	20.9	23.6	26.1	20.7	22.7	24.9	25.1	26.9	28.5
Power input cooling fan	kW	0.8			0.8			0.8			0.8		
Power input integrated dryer	KW	1.04			1.04			1.59			1.59		
Pressure dew point (int. dryer)@ 68°F 100% RH	°F	37			37			37			37		
Noise level	db (A)	66			67			68			69		



Basemount Dryer Design Data					
Length	inches	75.8	75.8	75.8	75.8
Width	inches	33.1	33.1	33.1	33.1
Height	inches	50.3	50.3	50.3	50.3
Net Weight - Air Cooled BMD	lbs	1259	1276	1391	1426
Tankmount Dryer Design Data 120 Gallons					
Length	inches	75.8	75.8	75.8	75.8
Width	inches	33.1	33.1	33.1	33.1
Height	inches	74.8	74.8	74.8	74.8
Net Weight - Air Cooled TMD	lbs	1760	1777	1892	1927
Air Discharge	Inches NPT	1" (MALE)	1" (MALE)	1" (MALE)	1" (MALE)
Condensate Drain		5/16 (Push-in)	5/16 (Push-in)	5/16 (Push-in)	5/16 (Push-in)
Electrical Data Dryer Unit					
Full load current (Amps)	(7) (8) 230/3/60	60	77	85	99
Full load current (Amps)	(7) (8) 460/3/60	32	38	43	50
Full load current (Amps)	(7) (8) 575/3/60	25	31	35	42

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 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.