



		QGD40			QGD50			QGD60		
Nominal Power - Main Motor	Model	30			37			45		
Nominal Power - Main Motor	kW	40			50			60		
Rated Discharge Pressure	HP	100 125 150			100 125 150			100 125 150		
Maximum Operating Pressure	(psig)	107 132 157			107 132 157			107 132 157		
<b>Reference conditions</b>		QGD40			QGD50			QGD60		
	bar abs	1			1			1		
Relative humidity	%	0			0			0		
Ambient temperature	°F	68			68			68		
Setting thermostatic valve	°F	104			104			104		
Nominal motor power	Hp	40			50			60		
Motor shaft speed	rpm	3567			3567			3567		
Minimum working pressure	psi	58			58			58		
Min/Max ambient temperature	°F	32 / 115			32 / 115			32 / 115		
Oil Capacity	(9) Gallons	5.3			5.3			5.3		
<b>Performance Data Standard Unit</b>		QGD40			QGD50			QGD60		
	(psig)	<b>100 125 150</b>			<b>100 125 150</b>			<b>100 125 150</b>		
<b>Capacity FAD</b>	(1) cfm	214.4	192.6	175.0	247.1	229.7	214.4	295.2	273.3	249.2
<b>Package Input Power with Fan - Air Cooled</b>	(4) kW	37.6	37.8	38.2	42.9	44.9	44.3	55.3	52.6	52.9
<b>Specific Power - Air Cooled</b>	(5) kW/100cfm	17.5	19.6	21.8	17.4	19.5	20.7	18.7	19.2	21.2
Power input at no load	kW	9.2			11.4			13.8		
Power input cooling fan	kW	1.3			1.3			3.4		
Male Rotor Speed	rpm	5053	4693	4820	6213	5621	5152	7134	6658	6213
Drive motor efficiency	(3) %	93.3			93.7			94		
Fan motor efficiency	%	77			77			77		
Residual oil content in air	ppm	<3			<3			<3		
Noise level	dB(A)	66			67			68		
<b>Design Data</b>		QGD40			QGD50			QGD60		
Dimensions ( maximum )										
Length	inches	51.2			51.2			51.2		
Width	inches	35			35			35		
Height	inches	70.5			70.5			70.5		
Net Weight - Air Cooled	lbs	1415			1536			1639		
Air Discharge	Inches NPT	1"1/2 (MALE)			1"1/2 (MALE)			1"1/2 (MALE)		
Condensate Drain	x2	5/16 (Push-in)			5/16 (Push-in)			5/16 (Push-in)		
Aftercooler CTD	(°F)	12			12			12		
Ventilation air delivery @ 68°F	cfh	235196			235196			235196		
<b>Electrical Data</b>		QGD40			QGD50			QGD60		
Full load current (Amps)	(7) (8) 460/3/60	61.2			71.4			87.2		
Full load current (Amps)	(7) (8) 230/3/60	121.8			137.6			172.6		
Full load current (Amps)	(7) (8) 575/3/60	49.3			57.1			69.3		
Full load current (Amps)	(7) (8) 380/3/60	73.2			86.4			104.7		
Full load current (Amps)	(7) (8) 380/3/50	72.4			85.6			101.7		



Performance Data Dryer Unit		QGD40			QGD50			QGD60		
	(psig)	100	125	150	100	125	150	100	125	150
<b>Capacity FAD</b>	(1) cfm	214.4	192.6	175.0	247.1	229.7	214.4	295.2	273.3	249.2
<b>Package Input Power with Fan - Air Cooled</b>	(4) kW	39.5	39.7	40.1	45.6	47.6	46.3	58.0	55.4	55.6
<b>Specific Power - Air Cooled</b>	(5) kW/100cfm	18.4	20.6	22.9	18.5	20.7	21.6	19.7	20.3	22.3
Power input at no load	kW		10.4			12.6			15	
Power input cooling fan	kW		1.3			1.3			3.4	
Power input integrated dryer	KW		2.0			2.0			2.0	
Pressure dew point (int. dryer)@ 68°F 100% RH	°F		37			37			37	
Recoverable Energy	(Btu/h)		101540			121782			141657	
Noise level	db (A)		66			67			68	
Design Data Dryer Unit		QGD40			QGD50			QGD60		
Dimensions ( maximum )										
Length	inches	70.9			70.9			70.9		
Width	inches	35			35			35		
Height	inches	70.5			70.5			70.5		
Net Weight - Air Cooled	lbs	1792			1914			2017		
Air Discharge	Inches NPT	1"1/2 (MALE)			1"1/2 (MALE)			1"1/2 (MALE)		
Condensate Drain	x4	5/16 (Push-in)			5/16 (Push-in)			5/16 (Push-in)		
Ventilation air delivery @ 68°F	cfh	235196			235196			235196		
Electrical Data		QGD40			QGD50			QGD60		
Full load current (Amps)	(7) (8) 460/3/60	65.3			77.8			93.5		
Full load current (Amps)	(7) (8) 230/3/60	129.8			148			183		
Full load current (Amps)	(7) (8) 575/3/60	53.4			63.5			75		
Full load current (Amps)	(7) (8) 380/3/60	78			91.2			109.5		
Full load current (Amps)	(7) (8) 380/3/50	76.5			89.7			105.8		

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.
- Design and specifications are subject to change without notice or obligation.