

THE QUANTUM REFRIGERATED COMPRESSED AIR DRYER RANGE

<i>Model</i>	<i>Rated Capacity litres / second (cfm)</i>	<i>Dimensions mm – L x W x H</i>	<i>Pipe Connections</i>	<i>Voltage</i>	<i>Weight kg</i>
QRD1.4	23.1 l/s (49cfm)	650 x 360 x 600	1 inch BSP	240	45
QRD2.8	46.2 l/s (98cfm)	760 x 460 x 690	1 inch BSP	240	80
QRD4.0	66.5 l/s (141cfm)	760 x 520 x 710	1½ inch BSP	240	95
QRD5.7	94.8 l/s (201cfm)	760 x 520 x 710	1½ inch BSP	240	115
QRD6.9	114.5 l/s (242cfm)	990 x 540 x 730	2 inch BSP	240	125
QRD7.7	128.3 l/s (272cfm)	990 x 540 x 730	2 inch BSP	240	135
QRD10.1	167.9 l/s (356cfm)	1,110 x 650 x 900	2 inch BSP	240	195
QRD12.8	213.2 l/s (452cfm)	1,375 x 700 x 1,025	DN50 Flanges	415	225

Note: Apply correction factors for conditions that don't match the reference conditions. $Effective\ capacity = rated\ capacity \times A \times B \times C$

<i>Ambient / Room Temperature Correction Chart (A)</i>						
<i>Temperature (degrees C)</i>	20	25	30	35	40	45
<i>Correction Factor</i>	1.08	1.0	0.92	0.84	0.72	0.64

<i>Compressed Air Temperature Correction Chart (B)</i>						
<i>Temperature (degrees C)</i>	30	35	40	45	50	55
<i>Correction Factor</i>	1.05	1.00	0.95	0.90	0.85	0.80

<i>Pressure Correction Chart (C)</i>						
<i>Pressure (bar)</i>	5	6	7	8	9	10
<i>Correction Factor</i>	0.90	0.95	1.00	1.05	1.10	1.15

<i>Reference Pressure – 7 bar (100psi)</i>	<i>Pressure Dewpoint Temperature – 3 degrees C</i>
<i>Reference Temperature – 35 degrees C</i>	<i>Maximum Operating Temperature – QRD1.2 to QRD4.0 – 75 degrees C. Others – 50 degrees C</i>
<i>Ambient or Room Temperature – 25 degrees C</i>	<i>Minimum Operating Temperature – +5 degrees C</i>
	<i>Maximum Operating Pressure – 11 bar (160psi)</i>

Performance is specified according to PNEUROP / GAGI PN2CPT2 measured at 7.0 bar

Free Air Delivery is measured at 7.0 bar discharge pressure and with a 7.0 bar drive arrangement

Data is subject to change without notice

QUANTUM AIR COMPRESSORS, SERVICE AND REPAIRS
(A DIVISION OF AIR COMPRESSOR PRODUCTS AND SERVICES PTY LTD – ABN: 62 140 703 939)

PHONE – 1300 106 377

WEBSITE – www.quantumaircompressors.com.au

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Model	Rated Capacity litres / second (cfm)	Dimensions mm – L x W x H	Pipe Connections	Voltage	Weight kg
QRD15.9	264.6 l/s (561)	1,520 x 790 x 1,120	DN50 Flanges	415	235
QRD19.8	329.7 l/s (699)	1,520 x 790 x 1,120	DN65 Flanges	415	245
QRD26.7	444.3 l/s (942)	1,520 x 790 x 1,120	D80 Flanges	415	315
QRD30.8	512.7 l/s (1,087)	1,525 x 860 x 1,275	DN100 Flanges	415	410
QRD39.6	659.4 l/s (1,398)	1,525 x 860 x 1,410	DN100 Flanges	415	475
QRD48.6	809.4 l/s (1,716)	2,050 x 860 x 1,410	DN100 Flanges	415	640
QRD59.4	989.1 l/s (2,097)	2,050 x 860 x 1,610	DN100 Flanges	415	710
QRD75.6	1,258 l/s (2,669)	2,395 x 1,050 x 1,800	DN125 Flanges	415	1,060
QRD97.2	1,618.8 l/s (3,432)	2,395 x 1,050 x 1,900	DN125 Flanges	415	1,170

Note: Apply correction factors for conditions that don't match the reference conditions. $Effective\ capacity = rated\ capacity \times A \times B \times C$

Ambient / Room Temperature Correction Chart (A)						
Temperature (degrees C)	20	25	30	35	40	45
Correction Factor	1.08	1.0	0.92	0.84	0.72	0.64

Compressed Air Temperature Correction Chart (B)						
Temperature (degrees C)	30	35	40	45	50	55
Correction Factor	1.05	1.00	0.95	0.90	0.85	0.80

Pressure Correction Chart (C)						
Pressure (bar)	5	6	7	8	9	10
Correction Factor	0.90	0.95	1.00	1.05	1.10	1.15

Reference Pressure – 7 bar (100psi)	Pressure Dewpoint Temperature – 3 degrees C
Reference Temperature – 35 degrees C	Maximum Operating Temperature – QRD1.2 to QRD4.0 – 75 degrees C. Others – 50 degrees C
Ambient or Room Temperature – 25 degrees C	Minimum Operating Temperature – +5 degrees C
	Maximum Operating Pressure – 11 bar (160psi)

Performance is specified according to PNEUROP / GAGI PN2CPT2 measured at 7.0 bar

Free Air Delivery is measured at 7.0 bar discharge pressure and with a 7.0 bar drive arrangement

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