



COMPRESSOR DATA SHEET

Rotary Screw Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Quincy Compressor	Date: December 2004	
2	Model Number: QGV50 xAir-cooled <input type="checkbox"/> Water-cooled xOil-injected <input type="checkbox"/> Oil-free	# of Stages: Single	
		VALUE	UNIT
3	Rated Capacity at Full Load Operating Pressure ^{a, f}	238	acfm ^{a, f}
4	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nameplate Rating	50	hp
7	Drive Motor Nameplate Nominal Efficiency	95	percent
8	Fan Motor Nameplate Rating (if applicable)	2	hp
9	Fan Motor Nameplate Nominal Efficiency	82.5	percent
10	Total Package Input Power at Zero Flow ^e	0	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	45.3	kW ^d
12	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^g	19.03	kW/100 cfm ^g

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217). ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 10) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217).
- f, g. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217) as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5



This form was developed by the Compressed Air and Gas Institute for the use of its members.
CAGI has not independently verified the reported data.



COMPRESSOR DATA SHEET

Rotary Screw Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Quincy Compressor	Date: December 2004	
2	Model Number: QGV75 xAir-cooled <input type="checkbox"/> Water-cooled xOil-injected <input type="checkbox"/> Oil-free	# of Stages: Single	
		VALUE	UNIT
3	Rated Capacity at Full Load Operating Pressure ^{a, f}	380	acfm ^{a, f}
4	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nameplate Rating	75	hp
7	Drive Motor Nameplate Nominal Efficiency	95.4	percent
8	Fan Motor Nameplate Rating (if applicable)	5	hp
9	Fan Motor Nameplate Nominal Efficiency	82.5	percent
10	Total Package Input Power at Zero Flow ^e	0	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	69.97	kW ^d
12	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^g	18.41	kW/100 cfm ^g

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217). ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 10) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217).
- f, g. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217) as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5



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COMPRESSOR DATA SHEET

Rotary Screw Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Quincy Compressor	Date: December 2004	
2	Model Number: QGV100 xAir-cooled <input type="checkbox"/> Water-cooled xOil-injected <input type="checkbox"/> Oil-free	# of Stages: Single	
		VALUE	UNIT
3	Rated Capacity at Full Load Operating Pressure ^{a, f}	485	acfm ^{a, f}
4	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nameplate Rating	100	hp
7	Drive Motor Nameplate Nominal Efficiency	95.4	percent
8	Fan Motor Nameplate Rating (if applicable)	5	hp
9	Fan Motor Nameplate Nominal Efficiency	82.5	percent
10	Total Package Input Power at Zero Flow ^e	0	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	90.9	kW ^d
12	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^g	18.74	kW/100 cfm ^g

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217). ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 10) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217).
- f, g. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217) as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5



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Rotary Screw Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Quincy Compressor	Date: December 2004	
2	Model Number: QGV150 xAir-cooled <input type="checkbox"/> Water-cooled xOil-injected <input type="checkbox"/> Oil-free	# of Stages: Single	
		VALUE	UNIT
3	Rated Capacity at Full Load Operating Pressure ^{a, f}	772	acfm ^{a, f}
4	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nameplate Rating	150	hp
7	Drive Motor Nameplate Nominal Efficiency	95.8	percent
8	Fan Motor Nameplate Rating (if applicable)	5	hp
9	Fan Motor Nameplate Nominal Efficiency	89.5	percent
10	Total Package Input Power at Zero Flow ^e	0	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	141.2	kW ^d
12	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^g	18.29	kW/100 cfm ^g

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217). ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 10) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217).
- f, g. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217) as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5



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COMPRESSOR DATA SHEET

Rotary Screw Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Quincy Compressor	Date: December 2004	
2	Model Number: QGV200 xAir-cooled <input type="checkbox"/> Water-cooled xOil-injected <input type="checkbox"/> Oil-free	# of Stages: Single	
		VALUE	UNIT
3	Rated Capacity at Full Load Operating Pressure ^{a, f}	1015	acfm ^{a, f}
4	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nameplate Rating	200	hp
7	Drive Motor Nameplate Nominal Efficiency	95.8	percent
8	Fan Motor Nameplate Rating (if applicable)	5	hp
9	Fan Motor Nameplate Nominal Efficiency	89.5	percent
10	Total Package Input Power at Zero Flow ^e	0	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	178.1	kW ^d
12	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^g	17.55	kW/100 cfm ^g

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217). ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 10) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
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- f, g. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217) as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5



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