



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: FS-Curtis		
2	Model Number: NxD45-100	Date: 5/15/2021	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 1	
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	288.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c
6	Drive Motor Nominal Rating	60	hp
7	Drive Motor Nominal Efficiency	95	percent
8	Fan Motor Nominal Rating (if applicable)	2	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^c	19.3	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	55.80	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	19.38	kW/100 cfm ^e
13	Isentropic Efficiency	68.59	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD45-125	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	263.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	125	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c	
6	Drive Motor Nominal Rating	60	hp	
7	Drive Motor Nominal Efficiency	95	percent	
8	Fan Motor Nominal Rating (if applicable)	2	hp	
9	Fan Motor Nominal Efficiency	86.5	percent	
10*	Total Package Input Power at Zero Flow ^c	19.7	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	56.40	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	21.44	kW/100 cfm ^e	
13	Isentropic Efficiency	70.04	Percent	

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- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: FS-Curtis		
2	Model Number: NxD45-150	Date: 5/15/2021	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 1	
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	246.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	150	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nominal Rating	60	hp
7	Drive Motor Nominal Efficiency	95	percent
8	Fan Motor Nominal Rating (if applicable)	2	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^c	18	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	57.40	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	23.33	kW/100 cfm ^e
13	Isentropic Efficiency	70.89	Percent

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NOTES:

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- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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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NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD45-175	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	223.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	175	psig ^b
5	Maximum Full Flow Operating Pressure ^c	175	psig ^c
6	Drive Motor Nominal Rating	60	hp
7	Drive Motor Nominal Efficiency	95	percent
8	Fan Motor Nominal Rating (if applicable)	2	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^c	18.9	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	57.20	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	25.65	kW/100 cfm ^e
13	Isentropic Efficiency	69.80	Percent

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NOTES:

- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- 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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NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD55-100	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	356.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c
6	Drive Motor Nominal Rating	75	hp
7	Drive Motor Nominal Efficiency	93.6	percent
8	Fan Motor Nominal Rating (if applicable)	2	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^c	20.1	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	70.70	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	19.86	kW/100 cfm ^e
13	Isentropic Efficiency	66.92	Percent

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NOTES:

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- The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
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NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD55-125	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	324.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	125	psig ^b
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c
6	Drive Motor Nominal Rating	75	hp
7	Drive Motor Nominal Efficiency	93.6	percent
8	Fan Motor Nominal Rating (if applicable)	2	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^c	21.5	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	71.90	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	22.19	kW/100 cfm ^e
13	Isentropic Efficiency	67.68	Percent

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NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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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- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD55-150	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	293.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	150	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nominal Rating	75	hp
7	Drive Motor Nominal Efficiency	93.6	percent
8	Fan Motor Nominal Rating (if applicable)	2	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^c	19.2	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	69.60	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	23.75	kW/100 cfm ^e
13	Isentropic Efficiency	69.63	Percent

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NOTES:

- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- 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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NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: FS-Curtis		
2	Model Number: NxD55-175	Date: 5/15/2021	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 1	
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	270.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	175	psig ^b
5	Maximum Full Flow Operating Pressure ^c	175	psig ^c
6	Drive Motor Nominal Rating	75	hp
7	Drive Motor Nominal Efficiency	93.6	percent
8	Fan Motor Nominal Rating (if applicable)	2	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^c	19	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	68.30	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	25.30	kW/100 cfm ^e
13	Isentropic Efficiency	70.78	Percent

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- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: FS-Curtis		
2	Model Number: NxD75-100	Date: 5/15/2021	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 1	
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	495.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c
6	Drive Motor Nominal Rating	100	hp
7	Drive Motor Nominal Efficiency	95.4	percent
8	Fan Motor Nominal Rating (if applicable)	3	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	32.3	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	96.20	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	19.43	kW/100 cfm ^e
13	Isentropic Efficiency	68.38	Percent

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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD75-125	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	436.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	125	psig ^b
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c
6	Drive Motor Nominal Rating	100	hp
7	Drive Motor Nominal Efficiency	95.4	percent
8	Fan Motor Nominal Rating (if applicable)	3	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	34.2	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	92.30	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	21.17	kW/100 cfm ^e
13	Isentropic Efficiency	70.95	Percent

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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



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COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: FS-Curtis		
2	Model Number: NxD75-150	Date: 5/15/2021	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 1	
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	416.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	150	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nominal Rating	100	hp
7	Drive Motor Nominal Efficiency	95.4	percent
8	Fan Motor Nominal Rating (if applicable)	3	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	30.8	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	96.30	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	23.15	kW/100 cfm ^e
13	Isentropic Efficiency	71.45	Percent

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m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD75-175	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	382.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	175	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	175	psig ^c	
6	Drive Motor Nominal Rating	100	hp	
7	Drive Motor Nominal Efficiency	95.4	percent	
8	Fan Motor Nominal Rating (if applicable)	3	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	32	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	97.00	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	25.39	kW/100 cfm ^e	
13	Isentropic Efficiency	70.51	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD90-100	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	563.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	100	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c	
6	Drive Motor Nominal Rating	125	hp	
7	Drive Motor Nominal Efficiency	95	percent	
8	Fan Motor Nominal Rating (if applicable)	3	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	39.6	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	115.30	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	20.48	kW/100 cfm ^e	
13	Isentropic Efficiency	64.89	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD90-125	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	492.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	125	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c	
6	Drive Motor Nominal Rating	125	hp	
7	Drive Motor Nominal Efficiency	95	percent	
8	Fan Motor Nominal Rating (if applicable)	3	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	32.1	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	106.30	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	21.61	kW/100 cfm ^e	
13	Isentropic Efficiency	69.52	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD90-150	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	448.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	150	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c	
6	Drive Motor Nominal Rating	125	hp	
7	Drive Motor Nominal Efficiency	95	percent	
8	Fan Motor Nominal Rating (if applicable)	3	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	33.4	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	108.50	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	24.22	kW/100 cfm ^e	
13	Isentropic Efficiency	68.30	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: FS-Curtis		
2	Model Number: NxD90-175	Date: 5/15/2021	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 1	
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	424.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	175	psig ^b
5	Maximum Full Flow Operating Pressure ^c	175	psig ^c
6	Drive Motor Nominal Rating	125	hp
7	Drive Motor Nominal Efficiency	95	percent
8	Fan Motor Nominal Rating (if applicable)	3	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	33	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	114.00	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	26.89	kW/100 cfm ^e
13	Isentropic Efficiency	66.59	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD110-115	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	626.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	115	psig ^b
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c
6	Drive Motor Nominal Rating	150	hp
7	Drive Motor Nominal Efficiency	95.8	percent
8	Fan Motor Nominal Rating (if applicable)	4	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^c	45	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	123.60	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	19.74	kW/100 cfm ^e
13	Isentropic Efficiency	72.71	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS Curtis	
2	Model Number:	NxD110-125	Date: 9/22/22
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	761.35	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c
6	Drive Motor Nominal Rating	150	hp
7	Drive Motor Nominal Efficiency	95.8	percent
8	Fan Motor Nominal Rating (if applicable)	4	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^e	45	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	134	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	17.6	kW/100 cfm ^e
13	Isentropic Efficiency	75.51	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS Curtis	
2	Model Number:	NxD110-125	Date: 9/22/22
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	761.35	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c
6	Drive Motor Nominal Rating	150	hp
7	Drive Motor Nominal Efficiency	95.8	percent
8	Fan Motor Nominal Rating (if applicable)	4	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^e	45	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	134	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	17.6	kW/100 cfm ^e
13	Isentropic Efficiency	75.51	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- 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.
- Total package input power at other than reported operating points will vary with control strategy.
- Tolerance is specified in ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS Curtis	
2	Model Number:	NxD110-125	Date: 9/22/22
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	615.97	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	150	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nominal Rating	150	hp
7	Drive Motor Nominal Efficiency	95.8	percent
8	Fan Motor Nominal Rating (if applicable)	4	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^e	45	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	133.7	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	21.71	kW/100 cfm ^e
13	Isentropic Efficiency	76.20	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

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NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	+/- 10%



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS Curtis	
2	Model Number:	NxD110-125	Date: 9/22/22
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	556.82	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	175	psig ^b
5	Maximum Full Flow Operating Pressure ^c	175	psig ^c
6	Drive Motor Nominal Rating	150	hp
7	Drive Motor Nominal Efficiency	95.8	percent
8	Fan Motor Nominal Rating (if applicable)	4	hp
9	Fan Motor Nominal Efficiency	86.5	percent
10*	Total Package Input Power at Zero Flow ^e	45	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	133.4	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	23.95	kW/100 cfm ^e
13	Isentropic Efficiency	74.73	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

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NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD160-100	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	1038.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c
6	Drive Motor Nominal Rating	200	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	6	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	65	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	194.00	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	18.69	kW/100 cfm ^e
13	Isentropic Efficiency	71.11	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD160-115	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	947.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	115	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c	
6	Drive Motor Nominal Rating	200	hp	
7	Drive Motor Nominal Efficiency	96.2	percent	
8	Fan Motor Nominal Rating (if applicable)	6	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	65	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	190.30	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	20.10	kW/100 cfm ^e	
13	Isentropic Efficiency	71.44	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: FS-Curtis		
2	Model Number: NxD160-125	Date: 5/15/2021	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 1	
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	938.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	125	psig ^b
5	Maximum Full Flow Operating Pressure ^c	126	psig ^c
6	Drive Motor Nominal Rating	200	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	6	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	65	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	195.30	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	20.82	kW/100 cfm ^e
13	Isentropic Efficiency	72.14	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD160-150	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	826.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	150	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c	
6	Drive Motor Nominal Rating	200	hp	
7	Drive Motor Nominal Efficiency	96.2	percent	
8	Fan Motor Nominal Rating (if applicable)	6	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	65	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	194.00	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	23.49	kW/100 cfm ^e	
13	Isentropic Efficiency	70.43	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

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NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD160-175	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	760.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	175	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	175	psig ^c	
6	Drive Motor Nominal Rating	200	hp	
7	Drive Motor Nominal Efficiency	96.2	percent	
8	Fan Motor Nominal Rating (if applicable)	6	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	65	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	193.00	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	25.39	kW/100 cfm ^e	
13	Isentropic Efficiency	70.50	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD185-100	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	1103.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	100	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c	
6	Drive Motor Nominal Rating	250	hp	
7	Drive Motor Nominal Efficiency	96.2	percent	
8	Fan Motor Nominal Rating (if applicable)	6	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	70	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	216.00	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	19.58	kW/100 cfm ^e	
13	Isentropic Efficiency	67.86	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD185-115	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	1029.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	115	psig ^b
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c
6	Drive Motor Nominal Rating	250	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	6	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	70	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	212.60	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	20.66	kW/100 cfm ^e
13	Isentropic Efficiency	69.49	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD185-125	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	1026.0	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	125	psig ^b
5	Maximum Full Flow Operating Pressure ^c	126	psig ^c
6	Drive Motor Nominal Rating	250	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	6	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	70	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	217.50	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	21.20	kW/100 cfm ^e
13	Isentropic Efficiency	70.85	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

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NOTES:

- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- 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.
- Total package input power at other than reported operating points will vary with control strategy.
- Tolerance is specified in ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis	
2	Model Number:	NxD185-150	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	926.5	acfm ^{a, c}
4*	Full Load Operating Pressure ^b	150	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nominal Rating	250	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	6	hp
9	Fan Motor Nominal Efficiency	89.5	percent
10*	Total Package Input Power at Zero Flow ^c	70	kW ^c
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	217.00	kW ^d
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	23.42	kW/100 cfm ^e
13	Isentropic Efficiency	70.62	Percent

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

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NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1



COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	FS-Curtis		
2	Model Number:	NxD185-175	Date:	5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, c}	815.0	acfm ^{a, c}	
4*	Full Load Operating Pressure ^b	175	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	175	psig ^c	
6	Drive Motor Nominal Rating	250	hp	
7	Drive Motor Nominal Efficiency	96.2	percent	
8	Fan Motor Nominal Rating (if applicable)	6	hp	
9	Fan Motor Nominal Efficiency	89.5	percent	
10*	Total Package Input Power at Zero Flow ^c	70	kW ^c	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	214.00	kW ^d	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	26.26	kW/100 cfm ^e	
13	Isentropic Efficiency	68.19	Percent	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

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NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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 ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



Member

ROT 030.1