



## 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:	<b>FS-Curtis</b>		
2	Model Number:	<b>NxHE90A-100</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	<b>Screw</b>
			# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>		<b>697.0</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>		<b>100</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>		<b>100</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating		<b>125</b>	hp
7	Drive Motor Nominal Efficiency		<b>95</b>	percent
8	Fan Motor Nominal Rating (if applicable)		<b>5.5</b>	hp
9	Fan Motor Nominal Efficiency		<b>89.5</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>		<b>46.1</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>		<b>109.36</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>		<b>15.69</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency		<b>84.70</b>	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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>		
2	Model Number:	<b>NxHE90A-125</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	<b>Screw</b>
			# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>617.6</b>	acfm <sup>a, c</sup>	
4*	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>	
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>125</b>	psig <sup>c</sup>	
6	Drive Motor Nominal Rating	<b>125</b>	hp	
7	Drive Motor Nominal Efficiency	<b>95</b>	percent	
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp	
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent	
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>46.1</b>	kW <sup>c</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>109.21</b>	kW <sup>d</sup>	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.68</b>	kW/100 cfm <sup>e</sup>	
13	Isentropic Efficiency	<b>84.94</b>	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.
- d. Total package input power at other than reported operating points will vary with control strategy.
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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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE90A-150</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>555.5</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>125</b>	hp
7	Drive Motor Nominal Efficiency	<b>95</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>46.1</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>109.18</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>19.65</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>84.16</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE90A-175</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>503.7</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>125</b>	hp
7	Drive Motor Nominal Efficiency	<b>95</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>46.1</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>109.19</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>21.68</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>82.60</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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: <b>FS-Curtis</b>		
2	Model Number: <b>NxHE110A-100</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	<b>Screw</b>
		# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>824.6</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>100</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>150</b>	hp
7	Drive Motor Nominal Efficiency	<b>95.8</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>54.5</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>130.26</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>15.80</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>84.13</b>	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.
- 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:

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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>		
2	Model Number:	<b>NxHE110A-125</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	<b>Screw</b>
			# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>738.4</b>	acfm <sup>a, c</sup>	
4*	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>	
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>125</b>	psig <sup>c</sup>	
6	Drive Motor Nominal Rating	<b>150</b>	hp	
7	Drive Motor Nominal Efficiency	<b>95.8</b>	percent	
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp	
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent	
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>54.3</b>	kW <sup>c</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>129.81</b>	kW <sup>d</sup>	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.58</b>	kW/100 cfm <sup>e</sup>	
13	Isentropic Efficiency	<b>85.43</b>	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.
- d. Total package input power at other than reported operating points will vary with control strategy.
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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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>		
2	Model Number:	<b>NxHE110A-150</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	<b>Screw</b>
			# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>662.5</b>	acfm <sup>a, c</sup>	
4*	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>	
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>	
6	Drive Motor Nominal Rating	<b>150</b>	hp	
7	Drive Motor Nominal Efficiency	<b>95.8</b>	percent	
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp	
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent	
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>54.3</b>	kW <sup>c</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>129.85</b>	kW <sup>d</sup>	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>19.60</b>	kW/100 cfm <sup>e</sup>	
13	Isentropic Efficiency	<b>84.39</b>	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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE110A-175</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>610.7</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>150</b>	hp
7	Drive Motor Nominal Efficiency	<b>95.8</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>54.3</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>129.74</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>21.24</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>84.28</b>	Percent

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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m <sup>3</sup> / min	ft <sup>3</sup> / 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

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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:	<b>FS-Curtis</b>		
2	Model Number:	<b>NxHE132A-100</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	<b>Screw</b>
			# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>983.3</b>	acfm <sup>a, c</sup>	
4*	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>	
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>100</b>	psig <sup>c</sup>	
6	Drive Motor Nominal Rating	<b>180</b>	hp	
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent	
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp	
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent	
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>65.1</b>	kW <sup>c</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>156.71</b>	kW <sup>d</sup>	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>15.94</b>	kW/100 cfm <sup>e</sup>	
13	Isentropic Efficiency	<b>83.39</b>	Percent	

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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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>		
2	Model Number:	<b>NxHE132A-125</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	<b>Screw</b>
			# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>883.3</b>	acfm <sup>a, c</sup>	
4*	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>	
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>125</b>	psig <sup>c</sup>	
6	Drive Motor Nominal Rating	<b>180</b>	hp	
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent	
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp	
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent	
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>64.8</b>	kW <sup>c</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>156.01</b>	kW <sup>d</sup>	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.66</b>	kW/100 cfm <sup>e</sup>	
13	Isentropic Efficiency	<b>85.04</b>	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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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: <b>FS-Curtis</b>		
2	Model Number: <b>NxHE132A-150</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	<b>Screw</b>
		# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>793.6</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>180</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>64.9</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>156.18</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>19.68</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>84.04</b>	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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE132A-175</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>738.4</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>180</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>5.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>89.5</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>65.1</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>156.72</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>21.23</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>84.35</b>	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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	NxHE160A-100	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 2
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	1193.4	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	100	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	100	psig <sup>c</sup>
6	Drive Motor Nominal Rating	200	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	7.5	hp
9	Fan Motor Nominal Efficiency	91	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	78.5	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	188.03	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	15.76	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	84.35	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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE160A-125</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1074.7</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>125</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>200</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>7.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>78.4</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>187.80</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.47</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>85.95</b>	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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>		
2	Model Number:	<b>NxHE160A-150</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	<b>Screw</b>
			# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>966.2</b>	acfm <sup>a, c</sup>	
4*	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>	
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>	
6	Drive Motor Nominal Rating	<b>200</b>	hp	
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent	
8	Fan Motor Nominal Rating (if applicable)	<b>7.5</b>	hp	
9	Fan Motor Nominal Efficiency	<b>91</b>	percent	
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>78.4</b>	kW <sup>c</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>187.79</b>	kW <sup>d</sup>	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>19.44</b>	kW/100 cfm <sup>e</sup>	
13	Isentropic Efficiency	<b>85.10</b>	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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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: <b>FS-Curtis</b>		
2	Model Number: <b>NxHE160A-175</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	<b>Screw</b>
		# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>895.0</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>200</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>7.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>78.4</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>187.62</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>20.96</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>85.41</b>	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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE185A-100</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1349.3</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>100</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>250</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>7.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>90.3</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>217.41</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>16.11</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>82.48</b>	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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE185A-125</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1217.3</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>125</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>250</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>7.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>90.2</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>217.14</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.84</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>84.20</b>	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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE185A-150</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1095.0</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>250</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>7.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>90.2</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>217.13</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>19.83</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>83.42</b>	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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE185A-175</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>983.2</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>250</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>7.5</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>90.1</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>216.94</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>22.07</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>81.14</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	NxHE200A-100	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 2
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	1500.9	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	100	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	100	psig <sup>c</sup>
6	Drive Motor Nominal Rating	270	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	10	hp
9	Fan Motor Nominal Efficiency	91	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	98.3	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	234.52	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	15.63	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	85.05	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE200A-125</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1342.1</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>125</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>270</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>10</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>98.2</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>234.20</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.45</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>86.08</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE200A-150</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1183.4</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>270</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>10</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>98.2</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>234.23</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>19.79</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>83.57</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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: <b>FS-Curtis</b>		
2	Model Number: <b>NxHE200A-175</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	<b>Screw</b>
		# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1066.1</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>270</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>10</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>98.3</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>234.41</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>21.99</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>81.43</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE220A-100</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1652.7</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>100</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>300</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>10</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>107.7</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>257.97</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>15.61</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>85.14</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE220A-125</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1473.3</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>125</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>300</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>10</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>107.6</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>257.62</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.49</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>85.89</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE220A-150</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1311.1</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>300</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>10</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>107.6</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>257.65</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>19.65</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>84.17</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE220A-175</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1176.5</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>300</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>10</b>	hp
9	Fan Motor Nominal Efficiency	<b>91</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>107.6</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>257.85</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>21.90</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>81.68</b>	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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE260A-100</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1890.7</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>100</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>350</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>15</b>	hp
9	Fan Motor Nominal Efficiency	<b>91.7</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>126.2</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>299.06</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>15.82</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>84.02</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	<b>FS-Curtis</b>	
2	Model Number:	<b>NxHE260A-125</b>	Date: <b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1707.9</b>	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>125</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>350</b>	hp
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>15</b>	hp
9	Fan Motor Nominal Efficiency	<b>91.7</b>	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>125.7</b>	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>297.66</b>	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.43</b>	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	<b>86.18</b>	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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:	NxHE260A-150	Date: 5/15/2021
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
			# of Stages: 2
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	1535.4	acfm <sup>a, c</sup>
4*	Full Load Operating Pressure <sup>b</sup>	150	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	150	psig <sup>c</sup>
6	Drive Motor Nominal Rating	350	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	15	hp
9	Fan Motor Nominal Efficiency	91.7	percent
10*	Total Package Input Power at Zero Flow <sup>c</sup>	123.2	kW <sup>c</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	291.52	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	18.99	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	87.12	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.
- 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 <sup>3</sup> / min	ft <sup>3</sup> / 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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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:	<b>FS-Curtis</b>		
2	Model Number:	<b>NxHE260A-175</b>	Date:	<b>5/15/2021</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type:	<b>Screw</b>
			# of Stages:	<b>2</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>	<b>1376.7</b>	acfm <sup>a, c</sup>	
4*	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>	
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>	
6	Drive Motor Nominal Rating	<b>350</b>	hp	
7	Drive Motor Nominal Efficiency	<b>96.2</b>	percent	
8	Fan Motor Nominal Rating (if applicable)	<b>15</b>	hp	
9	Fan Motor Nominal Efficiency	<b>91.7</b>	percent	
10*	Total Package Input Power at Zero Flow <sup>c</sup>	<b>123.2</b>	kW <sup>c</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>291.44</b>	kW <sup>d</sup>	
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>21.17</b>	kW/100 cfm <sup>e</sup>	
13	Isentropic Efficiency	<b>84.57</b>	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.
- d. Total package input power at other than reported operating points will vary with control strategy.
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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m <sup>3</sup> / min	ft <sup>3</sup> / 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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ROT 030.1