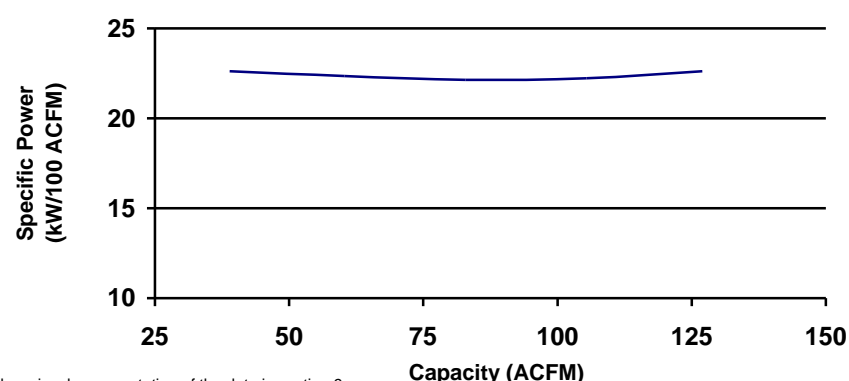


## COMPRESSOR DATA SHEET

### Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Ingersoll Rand</b>	Date: <b>Dec 15th 2009</b>	
2	Model Number: <b>IRN30H-TAS</b> <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: <b>1</b>	VALUE                      UNIT
3	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>
4	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>127</b>	psig <sup>c</sup>
5	Drive Motor Nameplate Rating	<b>30</b>	hp
6	Drive Motor Nameplate Nominal Efficiency	<b>93.5</b>	percent
7	Fan Motor Nameplate Rating (if applicable)	<b>1.75</b>	hp
8	Fan Motor Nameplate Nominal Efficiency	<b>85.0</b>	percent
9	Input Power (kW)	Capacity (acfm) <sup>a,e</sup>	Specific Power (kW/100 acfm) <sup>e</sup>
	28.7	<b>127.0</b>	22.62
	23.4	<b>105.4</b>	22.23
	18.4	<b>82.9</b>	22.14
	13.5	<b>60.3</b>	22.34
	8.8	<b>38.9</b>	22.62
	10	Total Package Input Power at Zero Flow <sup>d</sup>	<b>0.0</b>
11	 <p style="font-size: small;">Note: Graph is only a visual representation of the data in section 9</p>		

**NOTES:**

- a. Measured at the discharge terminal point of the compressor package in accordance with the Annex E to ISO 1217. acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption 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. No Load Power. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the Annex E to ISO 1217) as follows:

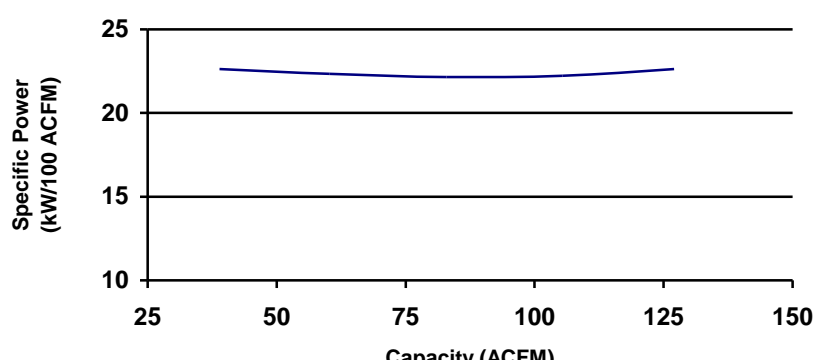
Volume Flow Rate at specified conditions		Volume Flow Rate <sup>f</sup>	Specific Energy Consumption <sup>g</sup>
<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

Member



## COMPRESSOR DATA SHEET

### Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Ingersoll Rand</b>	Date: <b>Dec 15th 2009</b>	
2	Model Number: <b>IRN30H-TAS</b> <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: <b>1</b>	VALUE                      UNIT
3	Full Load Operating Pressure <sup>b</sup>	<b>115</b>	psig <sup>b</sup>
4	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>127</b>	psig <sup>c</sup>
5	Drive Motor Nameplate Rating	<b>30</b>	hp
6	Drive Motor Nameplate Nominal Efficiency	<b>93.5</b>	percent
7	Fan Motor Nameplate Rating (if applicable)	<b>1.75</b>	hp
8	Fan Motor Nameplate Nominal Efficiency	<b>85.0</b>	percent
9	Input Power (kW)	Capacity (acfm) <sup>a,e</sup>	Specific Power (kW/100 acfm) <sup>e</sup>
	28.7	<b>127.0</b>	22.62
	23.4	<b>105.4</b>	22.23
	18.4	<b>82.9</b>	22.14
	13.5	<b>60.3</b>	22.34
	8.8	<b>38.9</b>	22.62
	10	Total Package Input Power at Zero Flow <sup>d</sup>	<b>0.0</b>
11	 <p style="font-size: small;">Note: Graph is only a visual representation of the data in section 9</p>		

**NOTES:**

- a. Measured at the discharge terminal point of the compressor package in accordance with the Annex E to ISO 1217. acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption 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. No Load Power. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the Annex E to ISO 1217) as follows:

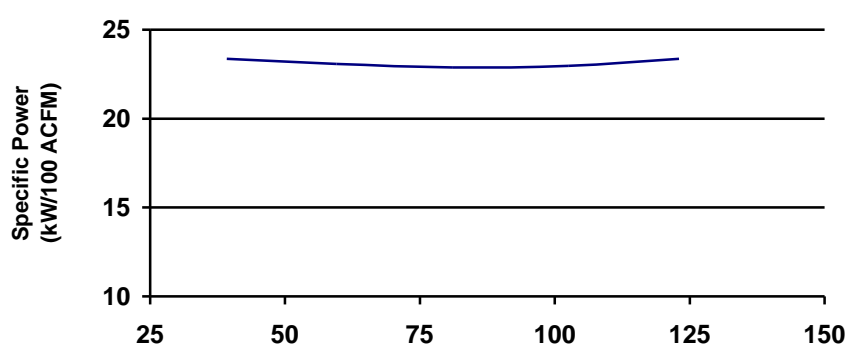
Volume Flow Rate at specified conditions		Volume Flow Rate <sup>f</sup>	Specific Energy Consumption <sup>g</sup>
<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

Member



## COMPRESSOR DATA SHEET

### Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Ingersoll Rand</b>	Date: <b>Dec 15th 2009</b>	
2	Model Number: <b>IRN30H-TAS</b> <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: <b>1</b>	VALUE                      UNIT
3	Full Load Operating Pressure <sup>b</sup>	<b>125</b>	psig <sup>b</sup>
4	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>123</b>	psig <sup>c</sup>
5	Drive Motor Nameplate Rating	<b>30</b>	hp
6	Drive Motor Nameplate Nominal Efficiency	<b>93.5</b>	percent
7	Fan Motor Nameplate Rating (if applicable)	<b>1.75</b>	hp
8	Fan Motor Nameplate Nominal Efficiency	<b>85.0</b>	percent
9	Input Power (kW)	Capacity (acfm) <sup>a,e</sup>	Specific Power (kW/100 acfm) <sup>e</sup>
	28.7	<b>123.0</b>	23.36
	23.5	<b>102.5</b>	22.96
	18.5	<b>81.1</b>	22.87
	13.7	<b>59.5</b>	23.08
	9.2	<b>39.2</b>	23.37
	10	Total Package Input Power at Zero Flow <sup>d</sup>	<b>0.0</b>
11	 <p style="font-size: small;">Note: Graph is only a visual representation of the data in section 9</p>		

**NOTES:**

- a. Measured at the discharge terminal point of the compressor package in accordance with the Annex E to ISO 1217. acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption 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. No Load Power. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the Annex E to ISO 1217) as follows:

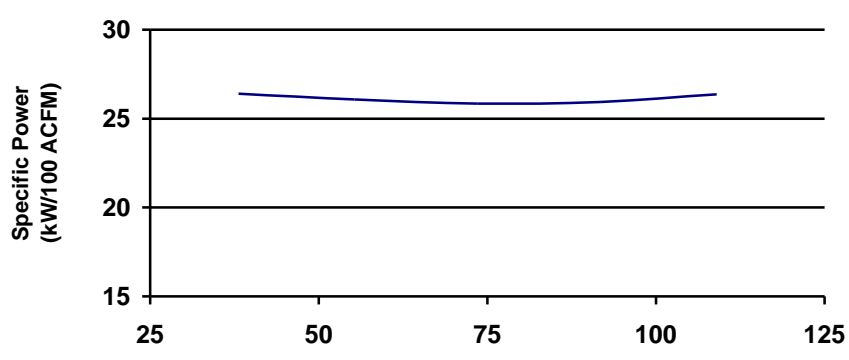
Volume Flow Rate at specified conditions		Volume Flow Rate <sup>f</sup>	Specific Energy Consumption <sup>g</sup>
$m^3/min$	$ft^3/min$	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

Member



## COMPRESSOR DATA SHEET

### Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Ingersoll Rand</b>		Date: <b>Dec 15th 2009</b>
2	Model Number: <b>IRN30H-TAS</b> <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: <b>1</b>	VALUE                      UNIT
3	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>
4	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>109</b>	psig <sup>c</sup>
5	Drive Motor Nameplate Rating	<b>30</b>	Hp
6	Drive Motor Nameplate Nominal Efficiency	<b>93.5</b>	Percent
7	Fan Motor Nameplate Rating (if applicable)	<b>1.75</b>	hp
8	Fan Motor Nameplate Nominal Efficiency	<b>85.0</b>	percent
9	Input Power (kW)	Capacity (acfm) <sup>a,e</sup>	Specific Power (kW/100 acfm) <sup>e</sup>
	28.7	<b>109.0</b>	26.36
	23.8	<b>91.7</b>	25.93
	19.0	<b>73.6</b>	25.84
	14.4	<b>55.3</b>	26.08
	10.0	<b>38.1</b>	26.40
10	Total Package Input Power at Zero Flow <sup>d</sup>	<b>0.0</b>	kW <sup>d</sup>
11	 <p style="font-size: small;">Note: Graph is only a visual representation of the data in section 9</p>		

**NOTES:**

- a. Measured at the discharge terminal point of the compressor package in accordance with the Annex E to ISO 1217. acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption 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 <sup>f</sup>	Specific Energy Consumption <sup>g</sup>
$m^3 / min$	$ft^3 / min$	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

Member

