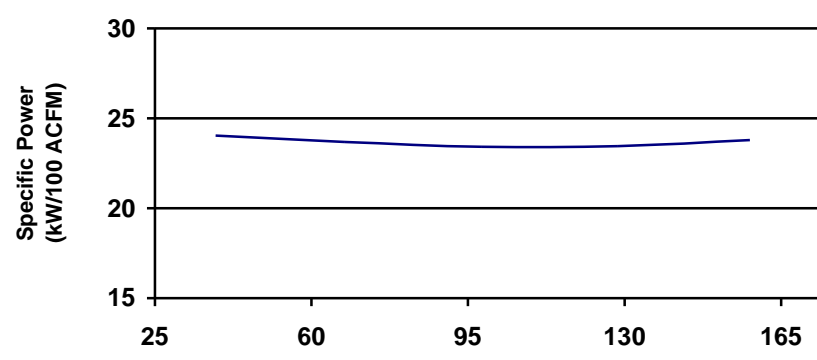


COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand	Date: Dec 15th 2009	
2	Model Number: IRN40H-TAS <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: 1	VALUE UNIT
3	Full Load Operating Pressure ^b	100	psig ^b
4	Maximum Full Flow Operating Pressure ^c	158	psig ^c
5	Drive Motor Nameplate Rating	40	hp
6	Drive Motor Nameplate Nominal Efficiency	94.0	percent
7	Fan Motor Nameplate Rating (if applicable)	1.75	hp
8	Fan Motor Nameplate Nominal Efficiency	85.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	37.6	158.0	23.79
	30.1	128.5	23.45
	23.0	98.1	23.41
	16.0	67.5	23.69
	9.3	38.6	24.04
	10	Total Package Input Power at Zero Flow ^d	0.0
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:

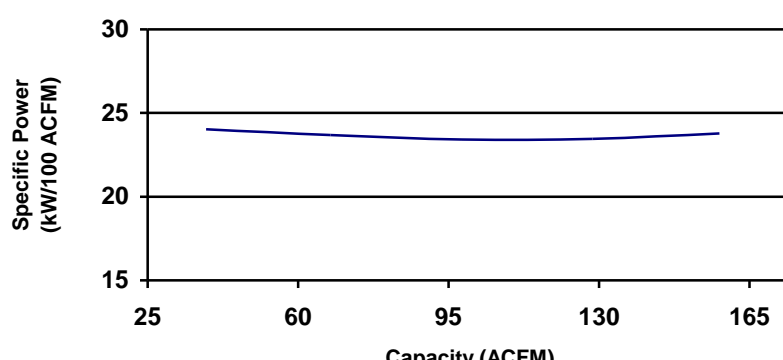
Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

Member



COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand	Date: Dec 15th 2009	
2	Model Number: IRN40H-TAS <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: 1	VALUE UNIT
3	Full Load Operating Pressure ^b	115	psig ^b
4	Maximum Full Flow Operating Pressure ^c	158	psig ^c
5	Drive Motor Nameplate Rating	40	Hp
6	Drive Motor Nameplate Nominal Efficiency	94.0	percent
7	Fan Motor Nameplate Rating (if applicable)	1.75	hp
8	Fan Motor Nameplate Nominal Efficiency	85.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	37.6	158.0	23.79
	30.1	128.5	23.45
	23.0	98.1	23.41
	16.0	67.5	23.69
	9.3	38.6	24.04
	10	Total Package Input Power at Zero Flow ^d	0.0
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.
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- e. Tolerance is specified in the Annex E to ISO 1217) as follows:

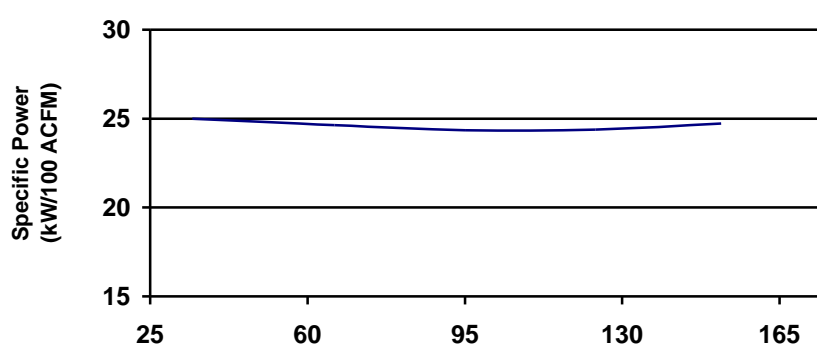
Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

Member



COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand	Date: Dec 15th 2009	
2	Model Number: IRN40H-TAS <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: 1	VALUE UNIT
3	Full Load Operating Pressure ^b	125	psig ^b
4	Maximum Full Flow Operating Pressure ^c	152	psig ^c
5	Drive Motor Nameplate Rating	40	hp
6	Drive Motor Nameplate Nominal Efficiency	94.0	percent
7	Fan Motor Nameplate Rating (if applicable)	1.75	hp
8	Fan Motor Nameplate Nominal Efficiency	85.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	37.6	152.0	24.73
	30.2	124.3	24.38
	23.1	95.0	24.34
	16.2	66.0	24.63
	9.6	34.4	24.99
	10	Total Package Input Power at Zero Flow ^d	0.0
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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- e. Tolerance is specified in the Annex E to ISO 1217) as follows:

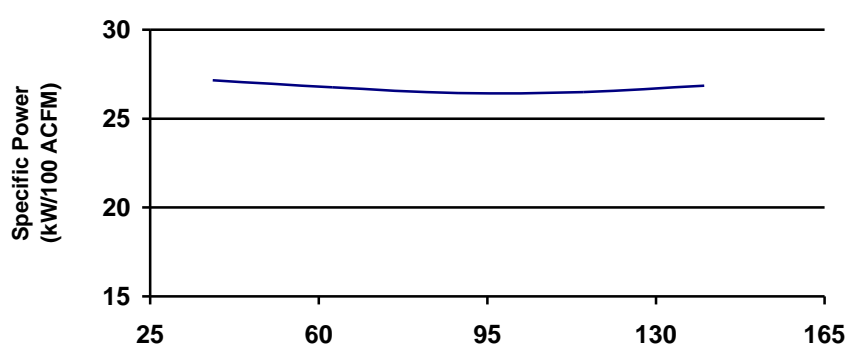
Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
m^3 / min	ft^3 / min	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

Member



COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand	Date: Dec 15th 2009	
2	Model Number: IRN40H-TAS <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: 1	VALUE UNIT
3	Full Load Operating Pressure ^b	150	psig ^b
4	Maximum Full Flow Operating Pressure ^c	140	psig ^c
5	Drive Motor Nameplate Rating	40	hp
6	Drive Motor Nameplate Nominal Efficiency	94.0	percent
7	Fan Motor Nameplate Rating (if applicable)	1.75	hp
8	Fan Motor Nameplate Nominal Efficiency	85.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	37.6	140.0	26.84
	30.4	114.9	26.48
	23.5	88.9	26.44
	16.8	62.8	26.76
	10.3	38.0	27.15
	10	Total Package Input Power at Zero Flow ^d	0.0
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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- e. Tolerance is specified in the Annex E to ISO 1217) as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
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

