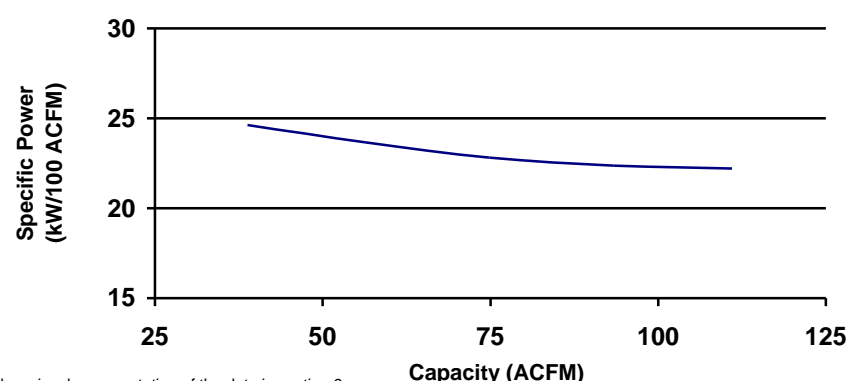


COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand	Date: Dec 15th 2009	
2	Model Number: IRN25H-CC <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	111	psig ^c
5	Drive Motor Nameplate Rating	25	hp
6	Drive Motor Nameplate Nominal Efficiency	90.0	percent
7	Fan Motor Nameplate Rating (if applicable)	1	hp
8	Fan Motor Nameplate Nominal Efficiency	82.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	24.7	111.0	22.21
	20.9	93.4	22.37
	17.1	74.9	22.82
	13.3	56.3	23.67
	9.6	38.8	24.63
	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:

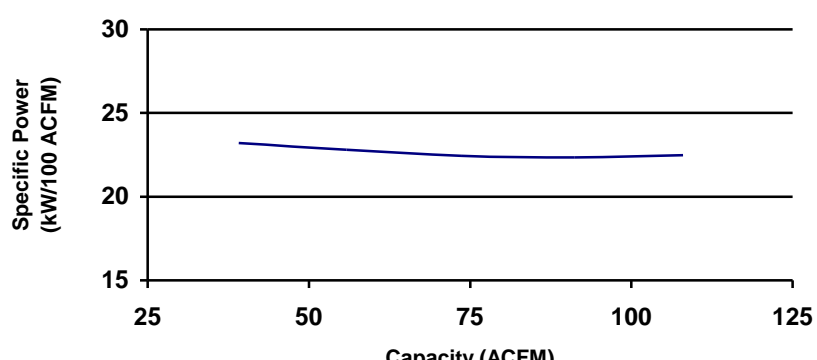
Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

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: IRN25H-CC <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	108	psig ^c
5	Drive Motor Nameplate Rating	25	hp
6	Drive Motor Nameplate Nominal Efficiency	90.0	percent
7	Fan Motor Nameplate Rating (if applicable)	1	hp
8	Fan Motor Nameplate Nominal Efficiency	82.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	24.3	108.0	22.49
	20.4	91.2	22.34
	16.5	73.6	22.45
	12.7	55.8	22.81
	9.1	39.1	23.21
	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:

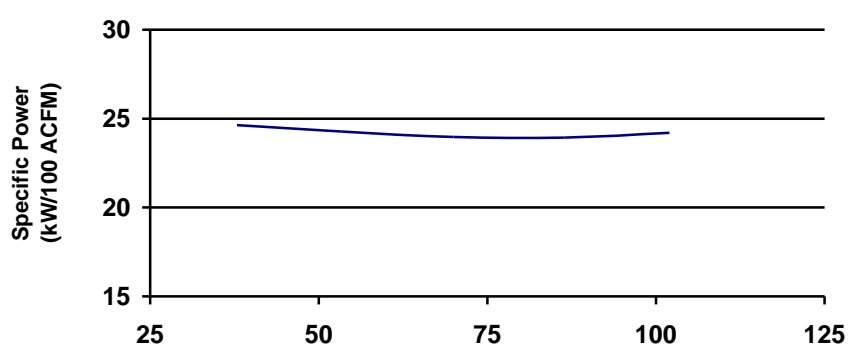
Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

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: IRN25H-CC <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	102	psig ^c
5	Drive Motor Nameplate Rating	25	hp
6	Drive Motor Nameplate Nominal Efficiency	90.0	percent
7	Fan Motor Nameplate Rating (if applicable)	1	hp
8	Fan Motor Nameplate Nominal Efficiency	82.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	24.7	102.0	24.21
	20.7	86.4	23.94
	16.8	70.0	23.96
	13.0	53.4	24.28
	9.3	37.9	24.64
	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:

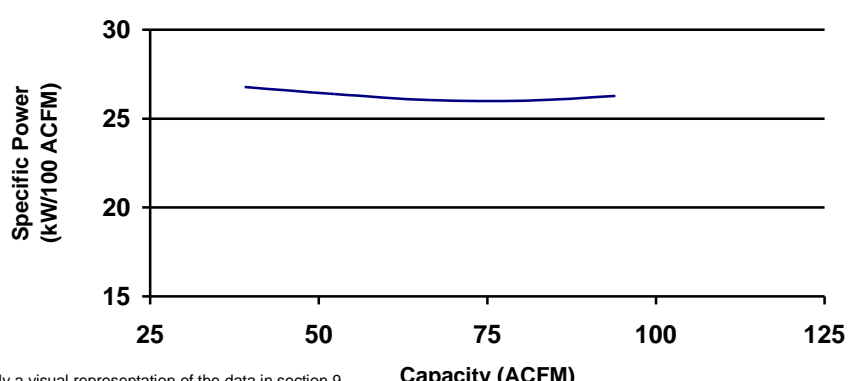
Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
m^3 / min	ft^3 / min	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

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: IRN25H-CC <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	94	psig ^c
5	Drive Motor Nameplate Rating	25	hp
6	Drive Motor Nameplate Nominal Efficiency	90.0	percent
7	Fan Motor Nameplate Rating (if applicable)	1	hp
8	Fan Motor Nameplate Nominal Efficiency	82.0	percent
9	Input Power (kW)	Capacity (acfm) ^{a,c}	Specific Power (kW/100 acfm) ^e
	24.7	94.0	26.27
	21.0	80.6	26.00
	17.3	66.6	26.04
	13.8	52.3	26.38
	10.4	39.0	26.77
	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
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

