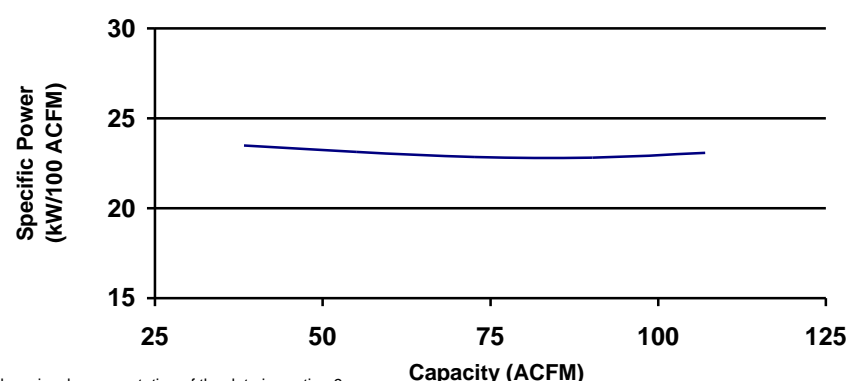


COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand	Date: Dec 15th 2009	
2	Model Number: IRN25H-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	107	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	107.0	23.08
	20.6	90.2	22.82
	16.6	72.7	22.84
	12.7	55.0	23.13
	9.0	38.3	23.48
	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:

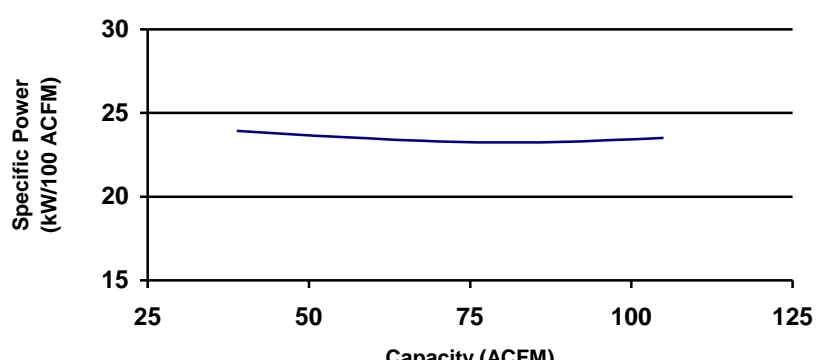
Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

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-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	105	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	105.0	23.52
	20.7	88.0	23.26
	16.8	72.0	23.28
	12.9	54.8	23.58
	9.3	38.8	23.93
	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:

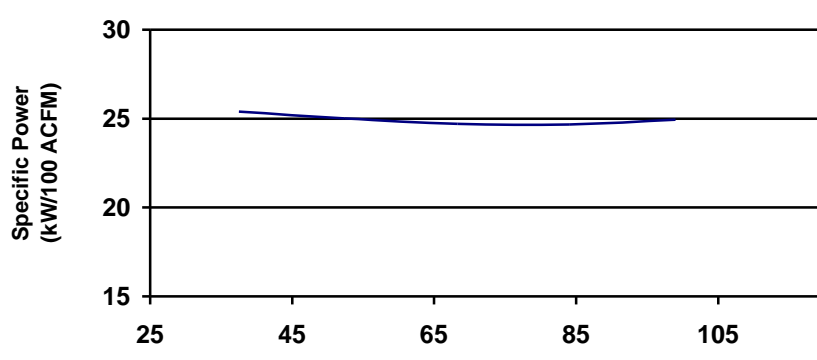
- a. Measured at the discharge terminal point of the compressor package in accordance with the Annex E to ISO 1217. acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. Maximum pressure 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



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-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	99	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	99.0	24.94
	20.7	84.0	24.67
	16.9	68.3	24.70
	13.1	52.4	25.02
	9.5	37.5	25.39
	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:

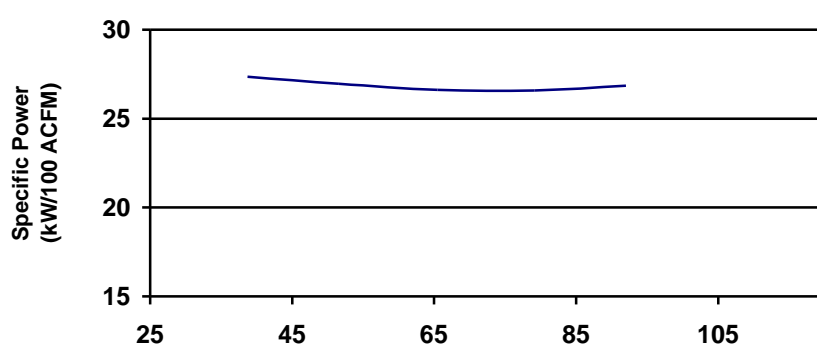
Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
m^3 / min	ft^3 / min	%	%
Below 0.5	Below 15	+/- 7	+/- 8
0.5 to 1.5	15 to 50	+/- 6	+/- 7
1.5 to 15	50 to 500	+/- 5	+/- 6
Above 15	Above 500	+/- 4	+/- 5

Member



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-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	92	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	92.0	26.84
	21.0	79.1	26.57
	17.4	65.5	26.61
	13.9	51.6	26.96
	10.6	38.7	27.36
	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

