

COMPRESSOR DATA SHEET

Rotary Screw Compressor

MODEL DATA – FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll-Rand		
2	Model Number: HP450 <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	Rated Capacity at Full Load Operating Pressure ^a	1833	acfm ^a
4	Full Load Operating Pressure ^b	140	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nameplate Rating	450	hp
7	Drive Motor Nameplate Nominal Efficiency	95.9	percent
8	Fan Motor Nameplate Rating (if applicable)	20	hp
9	Fan Motor Nameplate Nominal Efficiency	86.5	percent
10	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	405.0	kW ^d
11	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	22.1	kW/100 cfm

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217). ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 10) 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.

Member



This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.