



▲ EP 100



▲ EP 301



▲ EP 200 Series

- Custom-designed and built to provide optimum efficiency for ROBERTS GORDON® vacuum-assisted infrared heating systems
- Longer life through the use of high quality materials and components such as high temperature sealed motor bearings and high temperature silicone acoustical boot
- Proper performance provided by dynamically balanced impeller

ROBERTS GORDON®

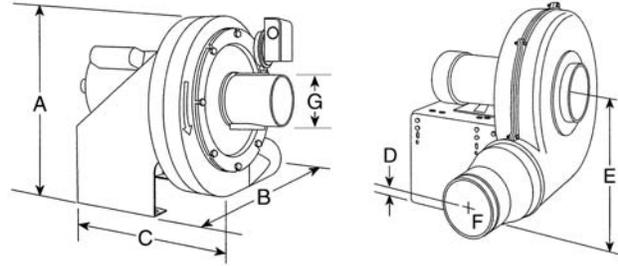
Pumps

Pumps for Low-intensity Infrared Heating Systems



Dimensional Data (In.)

	A	B	C	D	E	F	G
EP 100	17	14.5	21	3.75	10	4	4
EP 201/203	17.75	17	18.75	3.25	10	4.5	4.5
EP 301	25.6	24.8	22.7	4.8	15.2	6	6



Model	EP 100	EP 201	EP 203	EP 301
Maximum Number of Flow Units* (CORAYVAC®)	66	110	110	224
Maximum Number of VANTAGE® EV Burners**				
80,000	4	6	6	-
110,000	4	6	6	-
140,000	4	6	6	-
170,000	2	4	4	-
200,000	2	4	4	-

Motor Specifications

Horse Power (Hp)	1/3	3/4	3/4	2***
Phase (PH)	1	1	3	1
Hertz (HZ)	60	60	60	60
Voltage (V)	115/230	115/230	230	230
Full Load Amp (Amps)	4.8/2.4	6.6/3.3	3.0	11.5
R.P.M.	3450	3450	3450	3450
Maximum Ambient Temperature	40°C	40°C	40°C	40°C
Motor Frame	56	56	56	90
Motor Enclosure	TENV	TENV	TEFC	TEFC
Thermal Overload Protection	Automatic	Automatic	None	Automatic
Duty	Continuous	Continuous	Inverter/Continuous	Continuous
Noise Level @ 5ft. (DBA)	-	70	70	-
Drive	Direct	Direct	Direct	Direct
Inlet/Outlet (In.)	4/4	4/4	4/4	6/6
Type Bearings	High Temperature Sealed Ball Bearing			
Warranty	Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)			

Material Specification

Frame	Stamped Steel 12Ga	Stamped Steel 12Ga	Stamped Steel 12Ga	Welded Steel 3mm
Scroll and Inlet	Stamped Steel 16Ga	Cast Iron	Cast Iron	Welded Steel 3mm
Acoustic Boot	450°F Flexible Silicone	450°F Flexible Silicone	450°F Flexible Silicone	450°F Flexible Silicone
Weight (Lbs.)	62	112	112	170
Impeller Material	319 Cast Aluminum	319 Cast Aluminum	319 Cast Aluminum	Welded Steel
Impeller Size Dia. (In.) x Width (In.)	10 x 2 Radial	11 x 2-5/8 Radial	11 x 2-5/8 Radial	13-3/8 x 1-1/2 Radial
Paint	Electrostatic Epoxy Powder			?

* Flow units are at sea level. For further detail, see CORAYVAC® Installation, Operation and Service manual.

** For combination of burners, see VANTAGE® EV Installation, Operation and Service manual.

*** Note: For starter, see National Electric Code (NEC) Requirement for motors 1 HP and higher.

Installation Code: ROBERTS GORDON® products are to be installed only in accordance with local laws, codes and regulations, and only by a contractor qualified in the installation and service of gas-fired heating equipment. **This product is not for residential use.**

Further Information: Applications, engineering and detailed guidance on systems design, installation and product performance is available through ROBERTS GORDON® North American independent distributors. Please contact us for any further information you may require, including the ROBERTS GORDON® Pump Installation, Operation and Service Manuals.

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