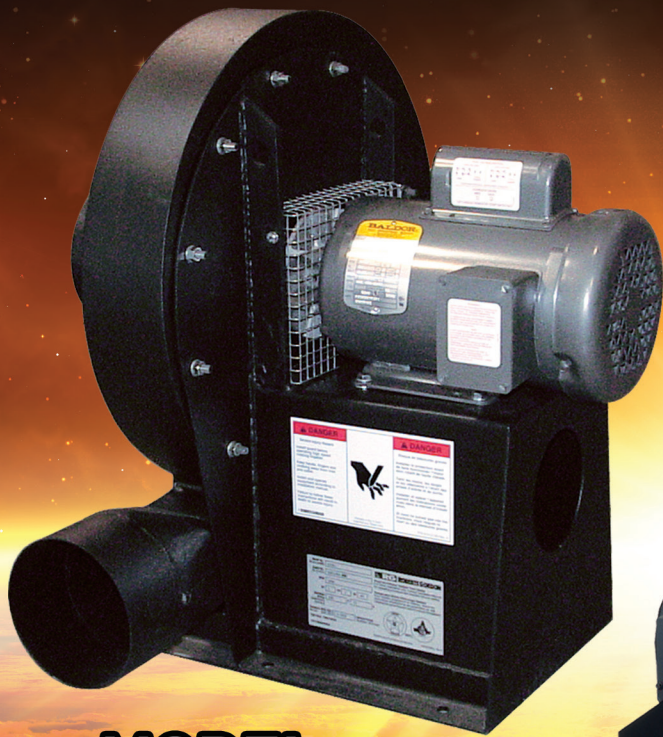


ROBERTS GORDON® PUMPS

For Infrared Heating Systems



**MODEL
EP-300**



**MODEL
EP-100**



**MODEL
EP-200**



Long Lasting, Heavy Duty Vacuum Pumps

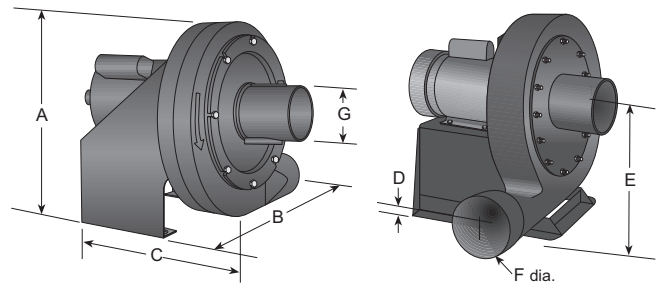
- Custom-designed and built to provide efficiency for Roberts Gordon® vacuum assisted infrared heating systems
- Longer life through the use of high quality materials and components such as high temperature sealed motor bearings and high temperature silicone acoustical boot
- Proper performance provided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

800.828.7450

www.robertsgordon.com

THE INDUSTRY LEADER
RADIANT
EFFICIENCY™

ROBERTS GORDON® THE EXCLUSIVE PRODUCER OF CORAYVAC™



Dimensional Data (in.)

Model	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-301/303	25.6	24.8	22.7	4.8	15.2	6	6

Model	EP 100	EP 201	EP 203	EP 301	EP 303
Maximum Number of Flow Units* (CORAYVAC™)	66	110	110	224	224
Maximum Number of VANTAGE® NP Burners**					
40,000	4	6	6	16	16
60,000	4	6	6	16	16
80,000	4	6	6	14	14
100,000	4	6	6	12	12
125,000	4	6	6	12	12
150,000	3	5	5	10	10
175,000	2	4	4	8	8
200,000	2	4	4	8	8

Motor Specifications

Horse Power	[Hp]	1/3	3/4	3/4	2***	2***
Phase	[PH]	1	1	3	1	3
Hertz	[HZ]	60	60	60	60	60
Voltage	[V]	120/230	120/208/230	208/230/460	120/208/230	208/230/460
Amps	[A]	5.2/2.7	8.0/4.42/4.0	2.5/2.26/1.13	17.4/9.62/8.7	5.46/4.94/2.47
R.P.M.		3490	3500	3475	3495	3520
Maximum Ambient Temperature		40°C	40°C	40°C	40°C	40°C
Motor Frame		56	56	56	90	90
Motor Enclosure		TENV	TEFC	TEFC	TEFC	TEFC
Thermal Overload Protection		Automatic	Automatic	None	Automatic	Automatic
Duty		Continuous	Continuous	Inverter/Continuous	Continuous	Continuous
Noise Level @ 5ft.	[DBA]	-	70	70	-	-
Drive		Direct	Direct	Direct	Direct	Direct
Inlet/Outlet	[in]	4/4	4.5/4.5	4.5/4.5	6/6	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	Stamped Steel 12Ga	Stamped Steel 12Ga
Scroll and Inlet	Stamped Steel 16Ga	Cast Iron	Cast Iron	Welded Steel 3mm	Welded Steel 3mm
Acoustic Boot	450°F Flexible Silicone	450°F Flexible Silicone	450°F Flexible Silicone	450°F Flexible Silicone	450°F Flexible Silicone
Weight	[lb]	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		Paint Electrostatic Epoxy Powder			Industrial Grade Enamel Paint

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

** For combination of burners and altitude requirements, see VANTAGE® NP Installation, Operation and Service manual.

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

This product is not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgment.

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