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All-Electric Hot Air Blower / Switch Heater Specifications & Parts List

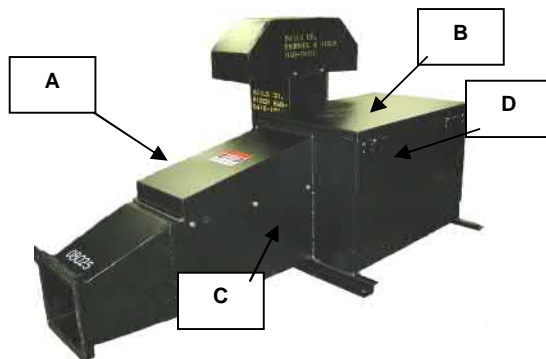
2 HP Motor
Air Delivery: ≈1500 CFM
RPM: 3450



*shown with HAB-9416-3
Snorkel w/ 10" Riser & Hardware (ordered separately)

Unit	Volt	Phase	Number of Elements	Total Heat	Groups of Heaters	KW per Group	Amps Per Group	Motor Amps	Motor Starting	Total Blower Amps	Control Panel # And Wire Diagram #	Element & Plate Assy. # And Element Diagram #	Motor P/N	Blower Wheel & Motor Assy. #
..904	480	1	5	20.3KW	1 grp of 5	20.3	41.6	5.5	33	47.1	HAB-10345-2-5	HAB-10350-1-5	HAB-9377-2	HAB-9714-5
..906	240	1	5	20.3KW	1 grp of 5	20.3	84.5	12	60	96.5	HAB-10345-4-5	HAB-10350-2-5	HAB-9377	HAB-9714-2
..903	240	1	6	24.3KW	3 grps of 2	8.1	33.8	12	60	114	HAB-10345-4-6	HAB-10350-2-6	HAB-9377	HAB-9714-2
..909	240	3	6	24.3KW	3 grps of 2	8.1	33.8	6.8	50	108	HAB-10345-3-6	HAB-10350-2-6	HAB-9377-3	HAB-9714-7
..910	480	1	6	24.3KW	3 grps of 2	8.1	16.9	5.5	33	56	HAB-10345-2-6	HAB-10350-1-6	HAB-9377-2	HAB-9714-5
..911	480	3	6	24.3KW	3 grps of 2	8.1	16.9	3.4	25	54	HAB-10345-1-6	HAB-10350-1-6	HAB-9377-1	HAB-9714-4
..962	240	1	12	48.7KW	3 grps of 4	16.2	67.6	12	60	215	HAB-10345-4	HAB-10350-2	HAB-9377	HAB-9714-2
..968	240	3	12	48.7KW	3 grps of 4	16.2	67.6	6.8	50	210	HAB-10345-3	HAB-10350-2	HAB-9377-3	HAB-9714-7
..965	480	1	12	48.7KW	3 grps of 4	16.2	33.8	5.5	33	107	HAB-10345-2	HAB-10350-1	HAB-9377-2	HAB-9714-5
..964	480	3	12	48.7KW	3 grps of 4	16.2	33.8	3.4	25	105	HAB-10345-1	HAB-10350-1	HAB-9377-1	HAB-9714-4

Hot air blowers with multiple heater groups are variable and may be locally switched to use one or multiple groups.



A	Element Cover	HAB-10295-7
B	Hinged Cover	HAB-9210-1-HW
C	Tub Assembly	HAB-10295-1
D	Hinged Panel	HAB-9671



Air Switch
HAB-9381



Air Inlet Snorkel Elbow
HAB-9320-1

SPECIFICATIONS 670 SERIES (C2) HOT AIR BLOWERS

Fuel (Combustion)	Propane Gas	Natural Gas
<i>Units with Painted Steel housing</i>	Blower Part Number	Blower Part Number
240 Volt Single Phase	HAB22401PFNN671	HAB22401PFNN672
480 Volt Three Phase	HAB24803PFNN673	HAB24803PFNN674
115 Volt Single Phase	HAB21151PFNN675	HAB21151PFNN676
<i>Units with Stainless Steel housing</i>		
240 Volt Single Phase	HAB22401SFNN671	HAB22401SFNN672
480 Volt Three Phase	HAB24803SFNN673	HAB24803SFNN674
115 Volt Single Phase	HAB21151SFNN675	HAB21151SFNN676
Input – Flame (Standard)	276,900 BTU/HR	326,000 BTU/HR
Orifice	3/16" Dia	19/64" Dia
Orifice PN	HAB-10979-2	HAB-10979-20
Fuel Consumption (Est.)	110 CFH	326 CFH
Inlet Pressure	11" – 12" W.C.	6" – 7" W.C.
Pressure Manifold	11" W.C.	6" W.C.

Motor Specifications:

Air Delivery	1470 CFM
Horsepower	2-HP
RPM	3450

Electrical Specifications:

Power Required	230 VAC, 1 PHASE
Starting Current	60 Amps
Running Current	12 Amps

Power Required	480 VAC, 3 PHASE
Starting Current	25 Amps
Running Current	3.4 Amps

Power Required	115 VAC, 1 PHASE
Starting Current	--
Running Current	11 Amps

Features:

- Flame Rod Flame verification
- "C2" Improved Emissions
- Internal control
- For use with Duct Ties or between tie duct work
- Snow Detector Capable
- Air flow / Blower Safety Shutoff
- Multiple trials for ignition
- Circuit Breaker Disconnect
- Pre & Post Purge
- Indication Output & Contact Closure
- Available in Stainless Steel



SPECIFICATIONS FOR 2HP-15" HOT AIR BLOWERS

with Flame Rod, flame sensor

Fuel (Combustion)	Propane Gas	Natural Gas
Units <i>with</i> High/Low Flame	Blower Part Number	Blower Part Number
240 Volt Single Phase	HAB22401PFIY631	HAB22401PFIY632
480 Volt Three Phase	HAB24803PFIY635	HAB24803PFIY636
240 Volt Three Phase	HAB22403PFIY640	HAB22403PFIY639
Units <i>without</i> High/Low Flame		
240 Volt Single Phase	HAB22401PFIN633	HAB22401PFIN634
480 Volt Three Phase	HAB24803PFIN637	HAB24803PFIN638
240 Volt Three Phase	HAB22403PFIN642	HAB22403PFIN641
Input – High Flame (Standard)*	413,280 BTU/HR	437,000 BTU/HR
Orifice	.228 Dia (#1)	11/32" Dia
Fuel Consumption (Est.)	164 CFH	437 CFH
Input – Low Flame (for Units with High/Low Flame)	277,200 BTU/HR	231,000 BTU/HR
Orifice	3/16"	1/4" Dia.
Fuel Consumption (Est.)	110 CFH	231 CFH
Inlet Pressure	11" – 12" W.C.	6" – 7" W.C.
Pressure Manifold	11" W.C.	6" W.C.

For a listing of available orifices with variable BTU output, see "Orifice Selection Table for 13-1/2", 15", & 16 1/2" Blowers" in this manual.

Motor Specifications:

Air Delivery	3000 CFM
Horsepower	2-HP
RPM	1725

Electrical Specifications:

Power Required	230 VAC, 1 PHASE
Starting Current	53.4 Amps
Running Current	4.5 Amps
Motor P/N	HAB-8027-3

Power Required	480 VAC, 3 PHASE
Starting Current	25 Amps
Running Current	2.8 Amps
Motor P/N	HAB-8027-5

Power Required	240 VAC, 3 PHASE
Starting Current	43 Amps
Running Current	3 Amps – 6 Amps
Motor P/N	HAB-8027-05



SPECIFICATIONS FOR 5HP-13.5" HOT AIR BLOWERS

with Flame Rod, flame sensor

Fuel (Combustion)	Propane Gas	Natural Gas
Units <i>with</i> High/Low Flame	Blower Part Number	Blower Part Number
240 Volt Single Phase	HAB52401PFIY643	HAB52401PFIY644
480 Volt Three Phase	HAB54803PFIY647	HAB54803PFIY648
240 Volt Three Phase	HAB52403PFIY652	HAB52403PFIY651
Units <i>without</i> High/Low Flame		
240 Volt Single Phase	HAB52401PFIN645	HAB52401PFIN646
480 Volt Three Phase	HAB54803PFIN649	HAB54803PFIN650
240 Volt Three Phase	HAB52403PFIN654	HAB52403PFIN653
Input – High Flame (Standard)*	937,440 BTU/HR	926,000 BTU/HR
Orifice	11/32" Dia	1/2" Dia
Fuel Consumption (Est.)	372 CFH	926 CFH
Input – Low Flame (for Units with High/Low Flame)	413,280 BTU/HR	437,000 BTU/HR
Orifice	.228 Dia (#1)	11/32" Dia.
Fuel Consumption (Est.)	164 CFH	437 CFH
Inlet Pressure	11" – 12" W.C.	6" – 7" W.C.
Pressure Manifold	11" W.C.	6" W.C.

For a listing of available orifices with variable BTU output, see "Orifice Selection Table for 13-1/2", 15", & 16 1/2" Blowers" in this manual.

Motor Specifications:

Air Delivery	3600 CFM
Horsepower	5-HP
RPM	3450

Electrical Specifications:

Power Required	230 VAC, 1 PHASE
Starting Current	128 Amps
Running Current	20.2 Amps
Motor P/N	

Power Required	480 VAC, 3 PHASE
Starting Current	47 Amps
Running Current	5.8 Amps
Motor P/N	

Power Required	240 VAC, 3 PHASE
Starting Current	21 Amps
Running Current	12 Amps
Motor P/N	

