Inspections Division
Date: 09/11/13

AccuSpec V3.2.1

WEATHERHAWK MODEL NOMENCLATURE

1	2	3	4,5, 6	7	8	9	10	11	12	13	14	15	16	17	18	19	20, 21	22	23
H	B	P	175	S	M	R	H	P	2	0	E	2	D	N	5	D	DA	0	0

1 - Product Type (PT)
H - Weatherproof Duct Furnace and Blower

2 - Unit Configuration (UC)
B - Blower Package - Furnace & Blower

3 - Venting (V)
P - Power

4,5,6 - Furnace Input Rating (MBH)
175 - 175,000 Btu/Hr Input

7 - Heat Exchanger/Burner/Drip Pan Material (HE)
S - 409 Stainless Steel w/ Alum Drip Pan

8 - Development Sequence Designation (DS)
M - 2-stage or Modulating

9 - Access Side (AS)
R - Right Hand

10 - Air Temperature Rise (ATR)
High - 20°-100°F

11- Gas Type (GT)
P - Propane with lockout ignition controller

12 - Gas Valve (GV)
2 - Two Stage

13- Additional Safety Switches (SS)
0 - No Additional Switches

14 - Supply Voltage (SV)
E - 230/60/3

15 - Transformer (TR)
2 - 75 VA

16- Blower Size & Bearing Type (BB)
D - 9-9 Pillow Block Bearings

17- Motor Horsepower (HP)
N - 3/4 Hp with Motor Starter

18- Motor Type (MT)
5 - TE

19 - Sheave Arrangement (SA)
D - 56 Motor Frame Size, 978-1265 RPM Range

20,21 - Air Control (AC)
DA - FA Dampers w/2 Pos motor (No RA)

22 - Evaporative Cooling (EC)
0 - None

23 - Cooling Coil (CC)
0 - None

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GENERAL PERFORMANCE DATA

General Performance Data

Model	HBP175
At 0’ Elevation	
Btu/Hr. Input	175,000
Btu/Hr Output	140,000
Blower Style (Digit 16 Letter)	D
Minimum Air Temp Rise (°F)	23.3
Maximum Air Temp Rise (°F)	99.9
Minimum CFM	1297
Maximum CFM	5556

As Configured at 0-2000 Ft. Elevation	
Btu/Hr. Input	175,000
Btu/Hr Output	140,000
Configured Air Temp Rise (°F)	81.0
Configured Airflow	1,600

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DIMENSIONS – UNIT

Model HBP Dimensions

Model HBP Dimensions
(All dimensions in inches)

Model Size	HBP175
Blower Type (Digit 16)	D
Dimensions	
A	33.75
B	N/A
C	N/A
D	N/A
E	18.98
F	21.94
K	23.99
N	39.23
P	38.82
Q	10.95
R	7
Gas Connection	1/2"

Notes:
1. For Right Hand Access Units – Location of 1.06” gas connection knock out – one on side of unit and one on bottom.
2. For Left Hand Access Units – Location of 1.06” gas connection knock out – one on side of unit and one on bottom.
3. For Right Hand Access Units – Location of electrical connection knock-outs are identical sizes as side electrical connections.
4. For Left Hand Access Units – Location of electrical connection knock-outs are identical sizes as side electrical connections.

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DIMENSIONS – UNIT

Unit Base Dimensions, model HBP

Model HBP Unit Base Dimensions
(All dimensions in inches)

Model Size	HBP175
Blower Type (Digit 16)	D
Dimensions	
A	84.41
B	41.61
C	81.49
E	23.49
F	78.66
G	53.72
H	1.53
J	38.75
M	7.63
Pipe Conn.	1/2"

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DIMENSIONS – RAINHOOD & BIRDSCREEN

Rainhood and Birdscreen Dimensions

Rainhood and Birdscreen Dimensions
(All dimensions in inches)

Model Size Dimensions	HBP175
A	38.24

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Job Specific Wiring Diagram Detail Sheet 82-130.3
Sequence of Operation V3.2.1

Important: This form must be included with every system unit order.

Date: 04/02/2013
Submitted by: Dave Chadwick

Job Name: GDI
Unit Tag(s):

Possible		Selected

Mode 1:

Blower Operation:	Intermittent (On a call for heat) Continuous (Interlocked w exhaust fan)	
Burner Operation:	Intermittent (On a call for heat) None (For Ventilation Modes)	
Cooling Operation:	Intermittent (On a call for cooling) None (For Ventilation Modes)	
Damper Operation:	100% Open Fresh Air/100% Closed Return Air 100% Closed Fresh Air/100% Open Return Air Minimum Position Fresh Air ___% Modulating Return & Fresh Air	

Comments:

Mode 2:

Blower Operation:	Intermittent (On a call for heat) Continuous (Interlocked w exhaust fan)	
Burner Operation:	Intermittent (On a call for heat) None (For Ventilation Modes)	
Cooling Operation:	Intermittent (On a call for cooling) None (For Ventilation Modes)	
Damper Operation:	100% Open Fresh Air/100% Closed Return Air 100% Closed Fresh Air/100% Open Return Air Minimum Position Fresh Air ___% Modulating Return & Fresh Air	

Comments:

Mode 3:

Blower Operation:	Intermittent (On a call for heat) Continuous (Interlocked w exhaust fan)	
Burner Operation:	Intermittent (On a call for heat) None (For Ventilation Modes)	
Cooling Operation:	Intermittent (On a call for cooling) None (For Ventilation Modes)	
Damper Operation:	100% Open Fresh Air/100% Closed Return Air 100% Closed Fresh Air/100% Open Return Air Minimum Position Fresh Air ___% Modulating Return & Fresh Air	

Comments:

Mode 4:

Blower Operation:	Intermittent (On a call for heat) Continuous (Interlocked w exhaust fan)	
Burner Operation:	Intermittent (On a call for heat) None (For Ventilation Modes)	
Cooling Operation:	Intermittent (On a call for cooling) None (For Ventilation Modes)	

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Damper Operation:	100% Open Fresh Air/100% Closed Return Air 100% Closed Fresh Air/100% Open Return Air Minimum Position Fresh Air ___% Modulating Return & Fresh Air	

Comments:

Note: Although a certain sequence of operation may be desired, it may not be possible with the electronic devices listed on a particular order. Modine is not a controls design firm and therefore not responsible for the wiring of devices which we do not provide. You will be notified if the desired sequence of operation cannot be achieved or if any additional devices are required.