

Windjammer Pro®

5.7" Pro 1300 Watts, 120/240VAC Bypass Brushless Blower - High Output

Model: WP057BH3-0N22A-0013

MECHANICAL

DIAMETER: 5.7" (145mm)
DISCHARGE TYPE: Tangential
DISCHARGE: : Ø1.75
APPROXIMATE WEIGHT: 7lbs

PERFORMANCE

FLOW CLASSIFICATION: High Output
STAGES: 3 Stage

TEMPERATURE

OPERATING TEMP: 0°C to 50°C
STORAGE TEMP: -40°C to 85°C

ELECTRICAL

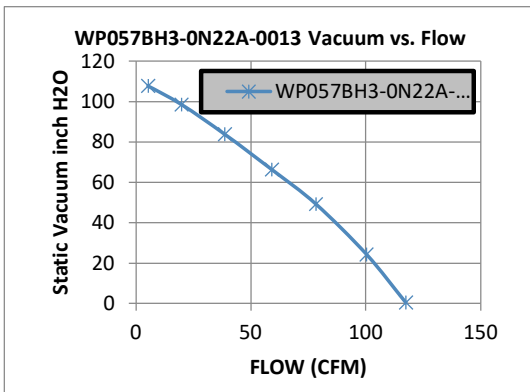
OPERATING INPUT VOLTAGE RANGE: 101-265VAC
OPERATING INPUT VOLTAGE: 120/240 VAC

FEATURES

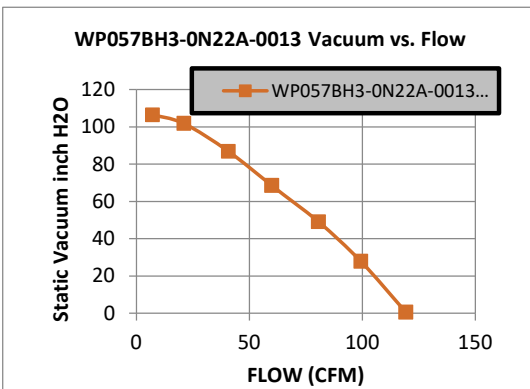
SPEED CONTROL: 0-10 v, Closed Loop, 3 Pin Power connection, 5 Pin control Connection, 3 pin status output connection

REGULATORY CERTIFICATIONS

COMPLIANCE: RoHS and Reach
UL FILE NUMBER: E94403
AGENCY FULL LOAD AMPS: 20



Flow Rate <i>cfm</i>	Total Vacuum <i>inch H2O</i>	Current <i>A</i>	Power Demand <i>W</i>	Flow Temperature <i>°C</i>	Rotational Speed <i>rpm</i>	Total Efficiency <i>%</i>
117.48	2.50	21.03	1575.82	19.78	17070	2.18
100.30	25.84	20.98	1569.47	19.73	17070	19.33
78.29	50.14	20.83	1555.32	19.73	17280	29.55
59.08	66.86	20.47	1526.93	19.72	17880	30.29
38.61	84.04	19.57	1451.34	19.69	19080	26.17
19.82	98.56	18.41	1340.18	19.64	20400	17.06
5.23	107.74	16.95	1184.94	19.59	21540	5.56



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119.21	2.77	14.43	1770.71	20.36	17310	2.19
99.34	29.41	14.43	1758.74	20.33	17340	19.48
80.58	50.11	14.29	1735.65	20.31	17490	27.29
59.85	69.13	14.15	1720.18	20.30	18180	28.22
40.72	87.16	14.09	1696.93	20.28	19530	24.53
20.97	101.95	13.67	1525.79	20.25	20880	16.44
7.13	106.45	11.31	1295.74	20.19	21450	6.87

Performance data is for reference only. Corrected to Standard Air Density, 1.2kg/m3

NOTES:

1. ROHS AND REACH COMPLIANCE. REFERENCE AMETEK ENVIRONMENTAL SPECIFICATION ES0010 FOR DETAILS.
2. **POWER CONNECTION:** BLOWER CONNECTOR, MATES WITH CUSTOMER SUPPLIED AMP CONNECTOR PN#350766-1 WITH SOCKET TERMINALS, PN#640310-3 OR EQUIVALENT ON 12GA WIRE 600V, 105°C.
3. **CONTROL CONNECTION:** BLOWER CONNECTOR, MATES WITH CUSTOMER SUPPLIED MOLEX SERIES 5557 CONNECTOR HOUSING, (PN#39-01-4051) WITH SOCKET TERMINALS, (PN#39-00-0208) OR EQUIVALENT ON 22GA, 125°C, 300V WIRE.
4. **STATUS OUTPUT CONNECTOR:** BLOWER CONNECTOR, MATES WITH CUSTOMER SUPPLIED MOLEX CONNECTOR PN#50-29-1662 WITH SOCKET TERMINALS, PN#39-00-0214 OR EQUIVALENT ON 22GA, 125°C, 300V WIRE.
5. ALL INTAKE, EXHAUST, COOLING DUCTS AND VENTS MUST NOT BE OBSTRUCTED BY MOUNTING.
6. MOTOR VENTILATION AIR TO BE FREE OF OILS AND OTHER FOREIGN PARTICLES, (I.E. BREATHING QUALITY AIR). BLOWER TO BE MOUNTED SO THAT MOTOR VENTILATION AIR CANNOT RECIRCULATE.
7. TACH OUTPUT-2 PULSES PER REVOLUTION. SIGNAL IS A FREQUENCY (Hz) INDICATOR OF THE RPM CAN BE MEASURED WITH RESPECT TO GROUND (PIN 5). RPM=TACH. OUT x 30.

THIS PRODUCT HAS BEEN TESTED AND VALIDATED TO BE ACCEPTABLE IN OUR APPLICATION.

APPROVED BY: _____
PRINT NAME: _____
TITLE: _____
DATE: _____
COMPANY: _____

