

Nautilair®

8.9"; 120 VAC; 1Ø Combustion Blowers - High Output

MECHANICAL

DIAMETER: 8.9" (226mm)
DISCHARGE TYPE: Tangential
DISCHARGE: Standard Rectangular Flange
APPROXIMATE WEIGHT: 10lbs/4.5kg

PERFORMANCE

FLOW CLASSIFICATION: High Output
STAGES: 1 Stage

TEMPERATURE

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

150232-08

ELECTRICAL

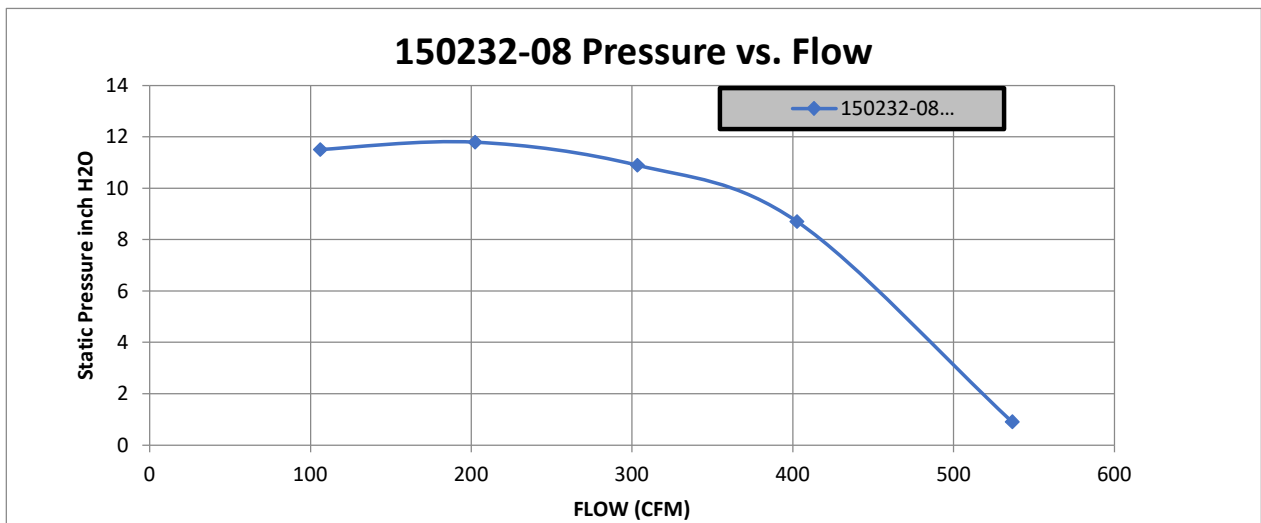
OPERATING INPUT VOLTAGE RANGE: 108-132v
OPERATING INPUT VOLTAGE: 120v

OPTIONAL FEATURES

SPEED CONTROL: PWM, 3-Pin Power Connector, 5-Pin Control Connector, Closed Loop

REGULATORY CERTIFICATIONS

COMPLIANCE: RoHS and Reach
UL FILE NUMBER: E94403
AGENCY FULL LOAD AMPS: 13A



Flow Rate <i>cfm</i>	Static Pressure <i>inch H2O</i>	Total Pressure <i>inch H2O</i>	Current <i>A</i>	Power Demand <i>W</i>	Voltage <i>V</i>	Flow Temp. <i>°C</i>	Rotational Speed <i>rpm</i>	Static Efficiency <i>%</i>	Total Efficiency <i>%</i>
536.43	0.91	1.37	13.98	1037.58	120.11	19.74	8380	5.51	8.32
402.55	8.70	8.96	12.36	904.32	120.18	20.28	8950	45.41	46.78
303.30	10.89	11.04	10.07	722.08	120.30	20.58	9100	53.70	54.43
202.31	11.80	11.86	7.76	545.73	120.41	20.54	9080	51.31	51.60
106.10	11.50	11.52	6.12	421.57	120.52	20.53	9020	33.97	34.02

Performance Data is for Reference only

NOTES:

1. ROHS AND REACH COMPLIANCE. REFERENCE AMETEK ENVIRONMENTAL SPECIFICATION ES0010 FOR DETAILS.
2. INLET GROOVE ACCEPTS-245 O-RING AS GASKET.
3. **POWER CONNECTION:** MATES WITH AMP HOUSING PN #350766-1, SOCKET TERMINAL: PN# 350550-3 (LOOSE) PN# 350536-3 (STRIP).
4. **CONTROL CONNECTION:** MATES WITH MOLEX HOUSING PN# 39-01-4051, CONTACT PN# 39-00-0208(REEL).
5. **GROUND LEAD:** 18GA 105°C, 600V RATED WIRE: GREEN/YELLOW. MATES WITH AMP PN#41274.
6. ALL INTAKE, EXHAUST, COOLING DUCTS AND VENTS MUST NOT BE OBSTRUCTED BY MOUNTING.
7. 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.

