

NAUTILAIR

150232-56

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

ELECTRICAL

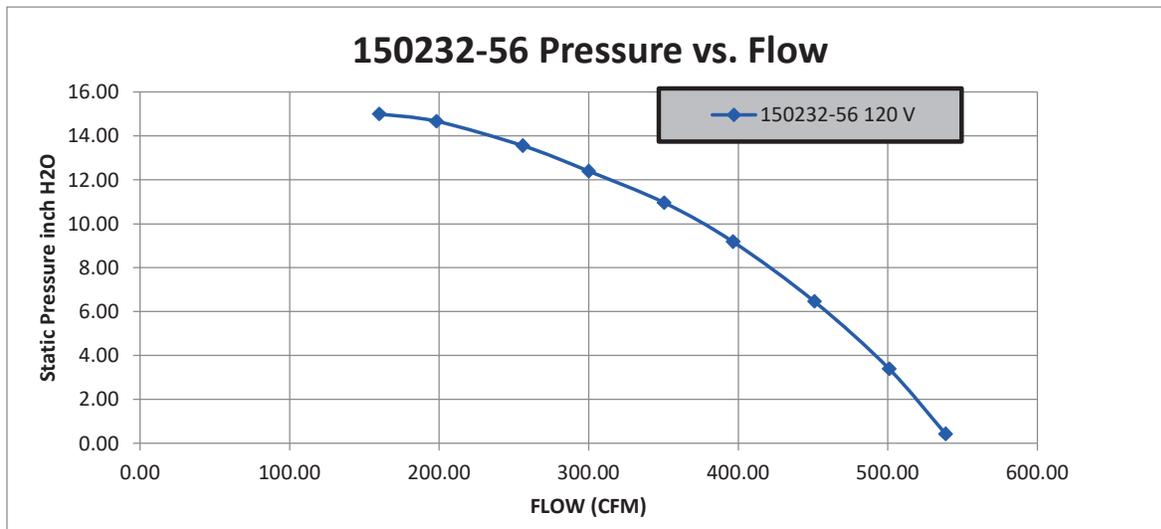
OPERATING INPUT VOLTAGE RANGE:
108-132v
OPERATING INPUT VOLTAGE: 120v

OPTIONAL FEATURES

SPEED CONTROL: PWM, 3-Pin Power Connector, 5-Pin Control Connector, Open 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>
538.57	0.42	0.89	15.27	1133.43	120.11	22.86	8580	2.35	4.96
500.80	3.39	3.80	15.14	1122.81	120.08	23.49	8820	17.77	19.90
450.87	6.46	6.79	14.66	1077.52	120.23	23.94	9120	31.76	33.37
396.48	9.18	9.43	13.76	1012.72	120.16	24.27	9390	42.23	43.40
350.40	10.96	11.16	13.23	961.77	120.40	24.59	9660	46.91	47.76
299.98	12.40	12.54	12.34	893.41	120.46	24.93	9960	48.92	49.49
255.93	13.55	13.66	11.68	843.10	120.54	25.23	10200	48.35	48.72
198.14	14.67	14.73	11.00	789.74	120.56	25.48	10440	43.25	43.44
159.86	15.00	15.04	10.48	752.47	120.63	25.51	10620	37.44	37.54

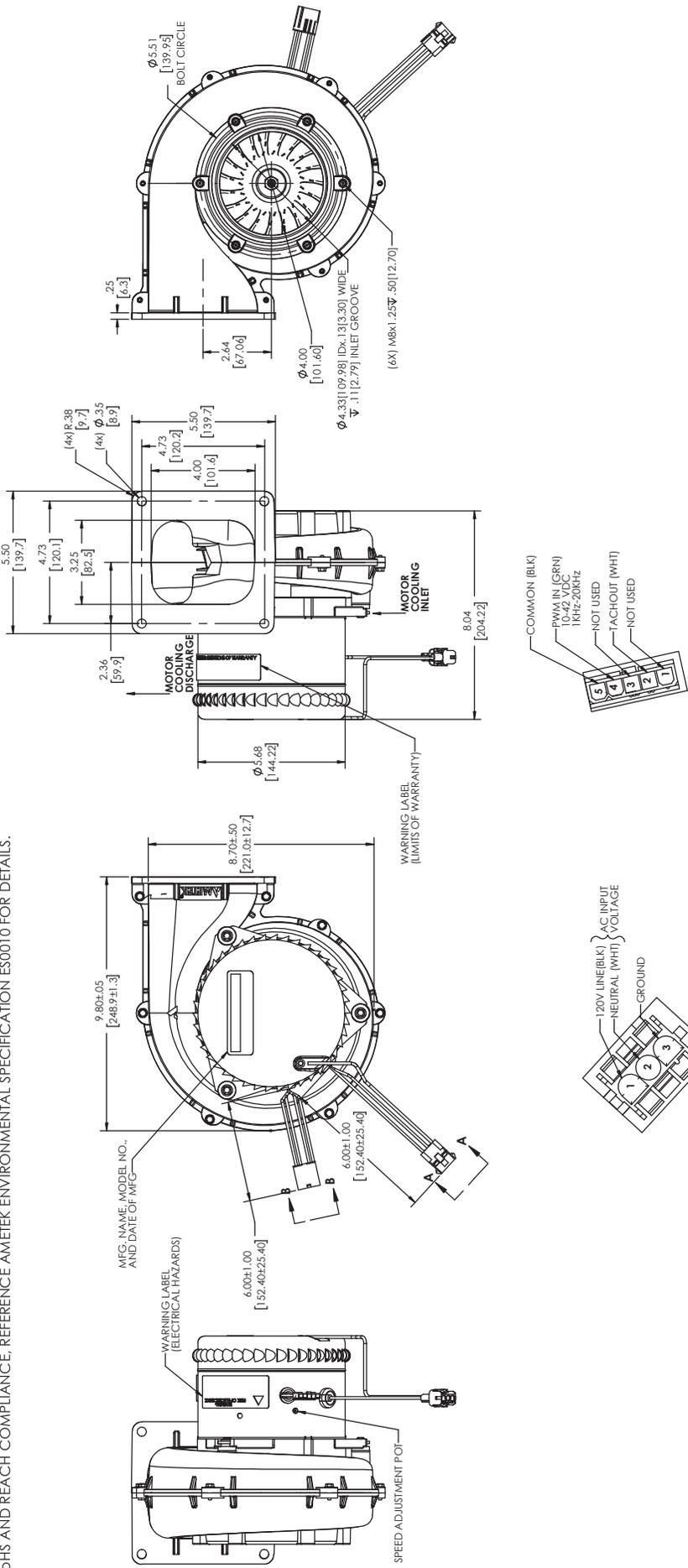
WARNING

DESIGN APPLICATION: Designed to provide variable airflow for low NOx and CO emission in high efficiency gas fired combustion systems. Built with non-sparking materials. Blower housing assembly constructed of die cast aluminum. Impeller constructed from hardened aluminum. Rubber isolation mounts built into blower construction to dampen vibration within the motor. Two-piece blower housing assembly sealed, and factory leak checked. Customer is responsible to check for any leakage once the blower is installed into the final application.

MISCELLANEOUS: Motor cooling inlet and discharge vents must not be obstructed. Motor ventilation air to be free of oils and other foreign particles. Blower is to be mounted so ventilation air cannot be re-circulated.

NOTES:

1. ALL INTAKE, EXHAUST, COOLING DUCTS AND VENTS MUST NOT BE OBSTRUCTED BY MOUNTING.
2. MOTOR VENTILATION AIR TO BE FREE OF OILS AND OTHER FOREIGN PARTICLES. (I.E. BREATHING AIR QUALITY) MOTOR TO BE MOUNTED SO THAT MOTOR VENTILATION AIR CANNOT RECIRCULATE.
3. **GROUND LEAD:** GREEN/YELLOW LEAD; MALE TERMINAL AMP P/N# 350218-1 ON 18GA. 1015 UL STYLE 105°C. 600V RATED WIRE.
4. **POWER CONNECTION:** BLOWER CONNECTOR, AMP UNIVERSAL MATE-N-LOK (P/N# 350767-1) MATES WITH CUSTOMER SUPPLIED AMP CONNECTOR. (P/N# 350766-1) WITH FEMALE TERMINALS. P/N# 350536-3 OR EQUIVALENT ON 600V, 105°C, 16GA WIRE.
5. **CONTROL CONNECTION:** BLOWER CONNECTOR, MOLEX SERIES 5559 (P/N# 39-01-4057) MATES WITH CUSTOMER SUPPLIED MOLEX SERIES 5557 CONNECTOR HOUSING; (P/N# 39-01-4051) WITH FEMALE TERMINALS. (P/N# 39-00-0208) OR EQUIVALENT ON 300V, 125°C 22GA. WIRE.
6. TACH. OUTPUT-2 PULSES PER REVOLUTION. SIGNAL IS A FREQUENCY (HZ) INDICATOR OF THE RPM CAN BE MEASURED WITH RESPECT TO GROUND LEAD (BLACK WIRE). RPM=TACH. OUT X 30.
7. ROHS AND REACH COMPLIANCE. REFERENCE AMETEK ENVIRONMENTAL SPECIFICATION ES0010 FOR DETAILS.



SECTION A-A
SCALE 2 : 1

SECTION B-B
SCALE 2 : 1