

Nautilair 150232-10

MECHANICAL

DIAMETER: 8.9" (226mm)
DISCHARGE TYPE: Tangential
DISCHARGE: Standard Square
APPROXIMATE WEIGHT: 7.8lbs/3.5Kg

PERFORMANCE

FLOW CLASSIFICATION: High Output
STAGES: 1 Stage

TEMPERATURE

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

ELECTRICAL

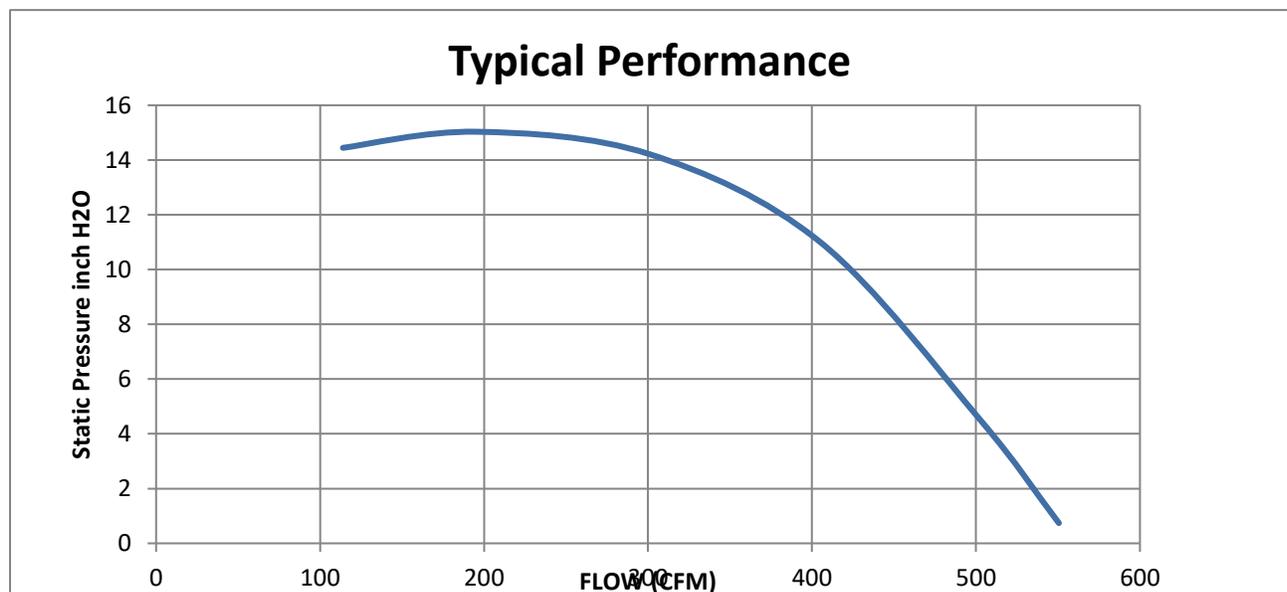
OPERATING INPUT VOLTAGE RANGE: 108-132VAC
OPERATING INPUT VOLTAGE: 120VAC

OPTIONAL FEATURES

SPEED CONTROL: PWM, open loop

REGULATORY CERTIFICATIONS

COMPLIANCE: RoHS and Reach
UL FILE NUMBER: E94403



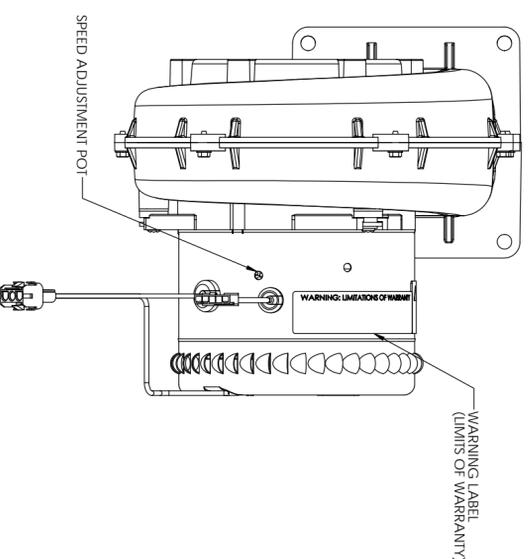
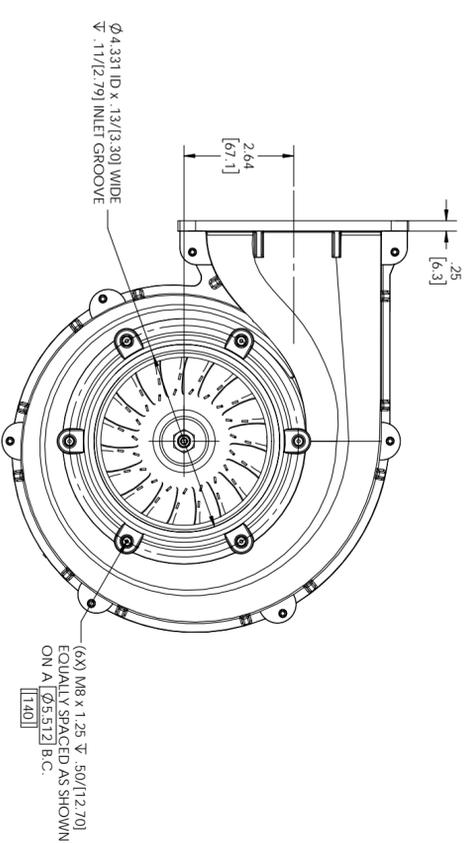
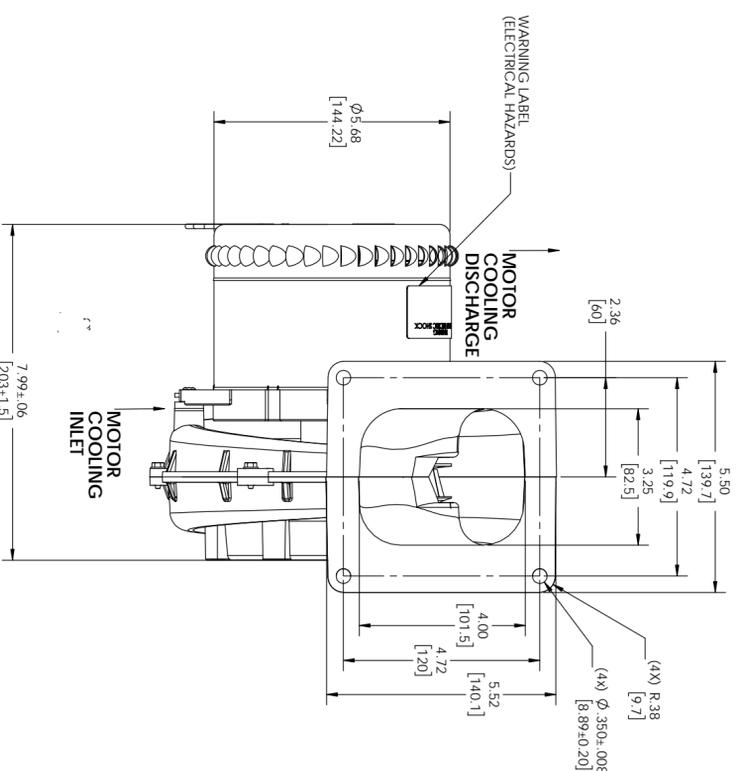
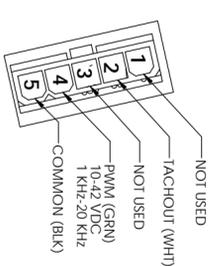
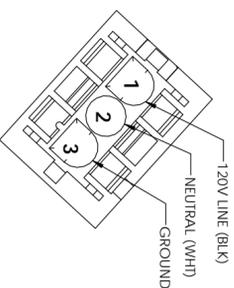
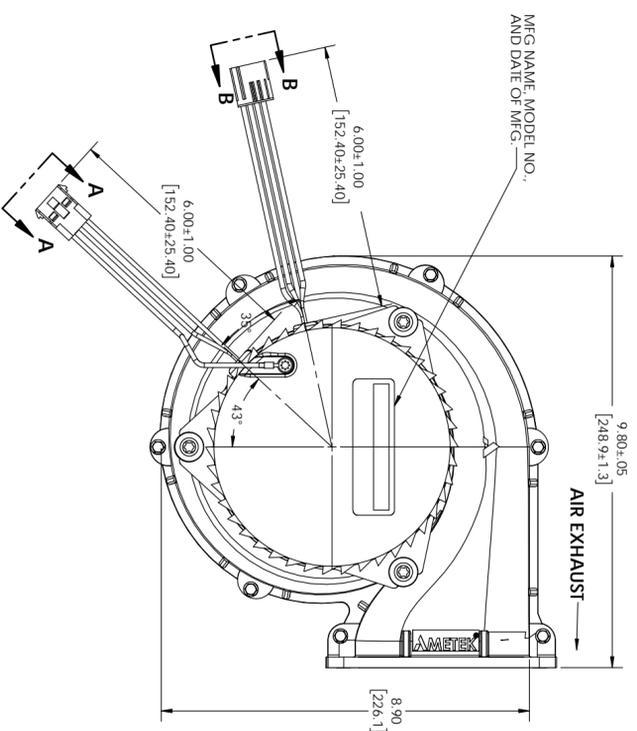
Flow Rate <i>cfm</i>	Total Pressure <i>inch H2O</i>	Current <i>A</i>	Power Demand <i>W</i>	Voltage <i>V</i>	Flow Temperature <i>°C</i>	Rotational Speed <i>rpm</i>	Total Efficiency <i>%</i>
550.56	1.23	16.18	1174.11	119.84	21.90	8640	6.79
502.46	4.93	16.19	1174.72	119.84	22.18	9030	24.83
404.96	11.27	16.14	1174.04	119.83	23.19	9960	45.93
300.88	14.36	14.26	1035.24	119.93	23.81	10560	49.39
195.41	15.09	11.53	820.78	120.09	23.83	10560	42.53
113.96	14.47	9.65	678.54	120.20	23.86	10560	28.75

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.

REVISIONS		CHANGE	DATE	APP'D
REV	ECN NO.	RELEASE TO PRODUCTION	1-19-17	MH
A	DMR #134	MH		

- 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)
 3. **MOTOR TO BE MOUNTED SO THAT MOTOR VENTILATION AIR CANNOT RECIRCULATE.**
 3. **GROUND LEAD:** GREEN/YELLOW LEAD: MALE TERMINAL AMP PN# 350218-1 ON 18GA. 1015 UL STYLE 105°C. 600V RATED WIRE.
 4. **POWER CONNECTION:** BLOWER CONNECTOR, AMP UNIVERSAL MATE-N-LOK (PN# 350767-1) MATES WITH CUSTOMER SUPPLIED AMP CONNECTOR. (PN# 350766-1) WITH FEMALE TERMINALS. PN# 350536-3 OR EQUIVALENT ON 600V, 105°C, 16GA WIRE.
 5. **CONTROL CONNECTION:** BLOWER CONNECTOR, MOLEX SERIES 5559 (PN# 39-01-4057) MATES WITH CUSTOMER SUPPLIED MOLEX SERIES 5557 CONNECTOR HOUSING. (PN#39-01-4051) WITH FEMALE TERMINALS, (PN# 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
 7. 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.



CHANGE CHARACTERISTICS FROM 1499-04-000		REV	DATE	APP'D
REV	ECN NO.	RELEASE TO PRODUCTION	1-19-17	MH
A	DMR #134	MH		

DATE	1-19-17	BY	MM
DESIGNED BY	MM	CHECKED BY	MM
DRAWN BY	MM	DATE	1-19-17
INTEGRITY	MM	DATE	1-19-17
APPROVED BY	MM	DATE	1-19-17
DATE	1-19-17	BY	MM
REV	150232-07-0	REV	150232-10-0
REV	150232-07-0	REV	150232-10-0