AMETEK

Product Bulletin

NAUTILAIR

150187-01

MECHANICAL
DIAMETER: 7.6" (193mm)
DISCHARGE TYPE: Tangential
DISCHARGE: Large Flange
APPROXIMATE WEIGHT: 4.8lbs/2.2kg

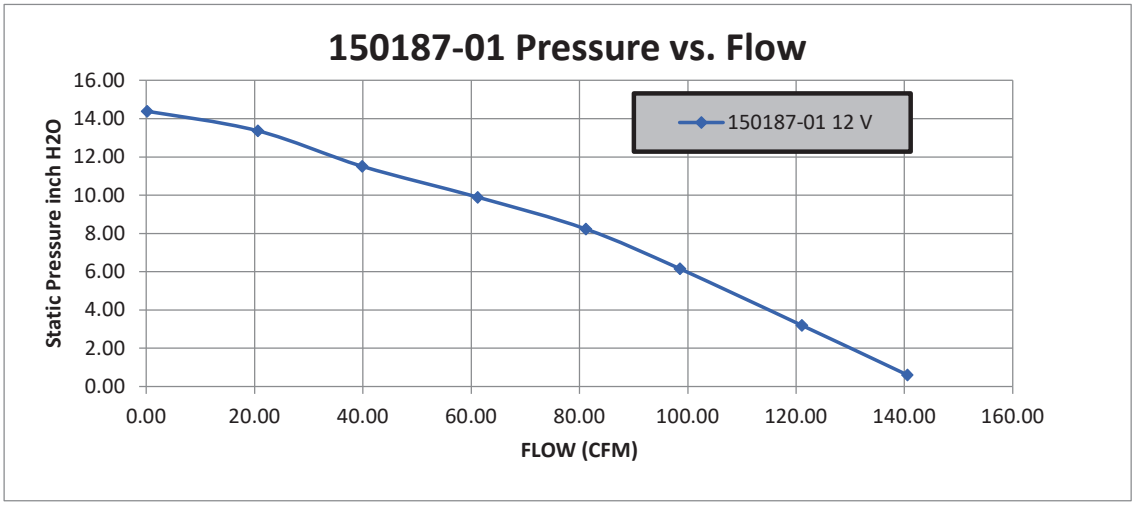
PERFORMANCE
FLOW CLASSIFICATION: Standard Output
STAGES: 1 Stage

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

ELECTRICAL
OPERATING INPUT VOLTAGE RANGE:12v
OPERATING INPUT VOLTAGE: 12v

OPTIONAL FEATURES
SPEED CONTROL: 0-10 VDC Electrical Speed Control, 4-lead Power Connector, Closed Loop

REGULATORY CERTIFICATIONS
COMPLIANCE: RoHS and Reach



Flow Rate *cfm*	Static Pressure *inch H2O*	Total Pressure *inch H2O*	Current *A*	Power Demand *W*	Voltage *V*	Flow Temp. *°C*	Rotational Speed *rpm*	Static Efficiency *%*	Total Efficiency *%*
140.54	0.61	0.77	19.94	239.37	12.02	17.34	6570	4.22	5.33
121.04	3.20	3.32	19.53	236.56	12.13	17.28	6720	19.26	19.98
98.54	6.15	6.23	18.31	221.99	12.14	17.20	6960	32.07	32.49
81.17	8.23	8.29	17.15	208.50	12.17	17.18	7170	37.66	37.90
61.16	9.90	9.93	15.43	186.67	12.11	16.97	7500	38.09	38.21
39.89	11.51	11.52	13.60	163.66	12.04	17.12	7770	32.95	32.99
20.62	13.36	13.36	12.02	147.91	12.31	17.14	8280	21.88	21.89
0.18	14.38	14.38	9.89	119.48	12.09	17.47	8520	0.25	0.25

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.

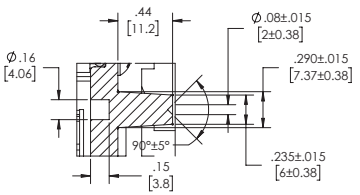
MISCELLANOUS: Motor cooling inlet and discharge vents must not be obstructed. Motor ventilation air to be free of oils and other foreign particles. Blower is to be mounted so ventilation air cannot be re-circulated.

Nautilair®

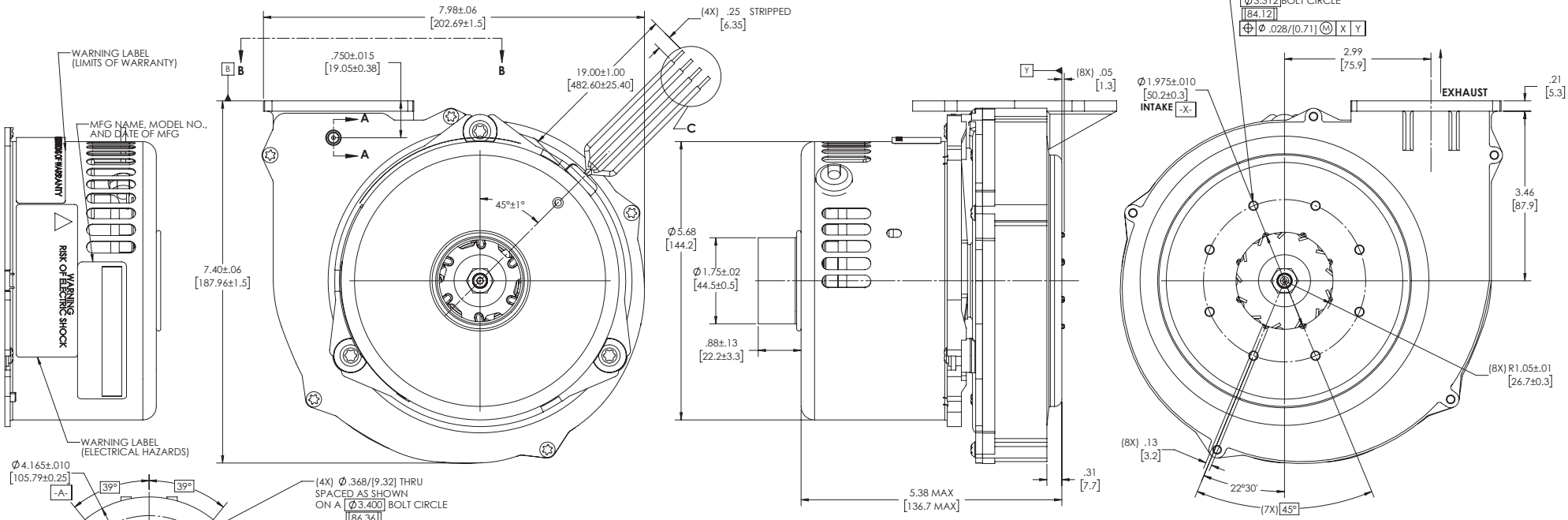
AMETEK Dynamic Fluid Solutions
100 East Erie St. Suite 200
Kent, OH USA 44240
Phone: +1 330.673.3452
Web: www.ametekdfs.com

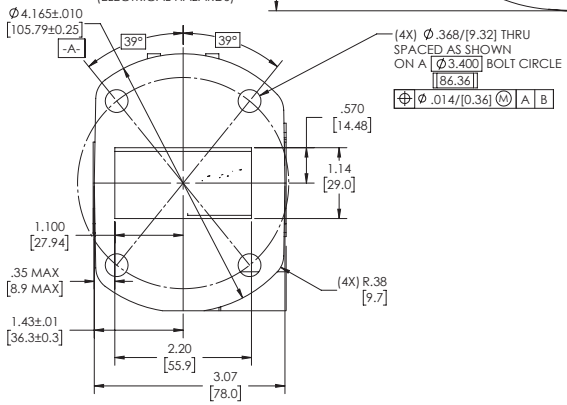
DWG NO. **150187-01-0** REV. **A**

NOTES:
1. RoHS AND REACH COMPLIANCE. REFERENCE AMETEK ENVIRONMENTAL SPECIFICATION ES0010 FOR DETAILS.
2. ALL INTAKE, EXHAUST, COOLING DUCTS AND VENTS MUST NOT BE OBSTRUCTED BY MOUNTING.
3. MOTOR VENTILATION AIR TO BE FREE OF OILS AND OTHER FOREIGN PARTICLES, (I.E. BREATHING QUALITY AIR). MOTOR TO BE MOUNTED SO THAT MOTOR VENTILATION AIR CANNOT RECIRCULATE.
4. RED AND BLACK LEADS: (2X) #14 GA., ORANGE AND BLUE LEADS: (2X) #16 GA., XLPE, 300V 125°C, UL 3266 / CSA 1252. SEE LEAD DESIGNATION
5. 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.

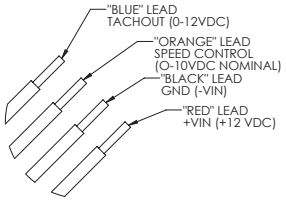


SECTION A-A
SCALE 2 : 1





SECTION B-B



DETAIL C
SCALE 2 : 1
(SEE NOTE 4)