

NAUTILAIR

Model: 150542-53

MECHANICAL

DIAMETER: 12.3" (312mm)
DISCHARGE TYPE: Tangential
DISCHARGE: Large Rectangular Flange
APPROXIMATE WEIGHT: 28lbs/12.7kg

PERFORMANCE

FLOW CLASSIFICATION: Standard Output
STAGES: 1 Stage

TEMPERATURE

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

ELECTRICAL

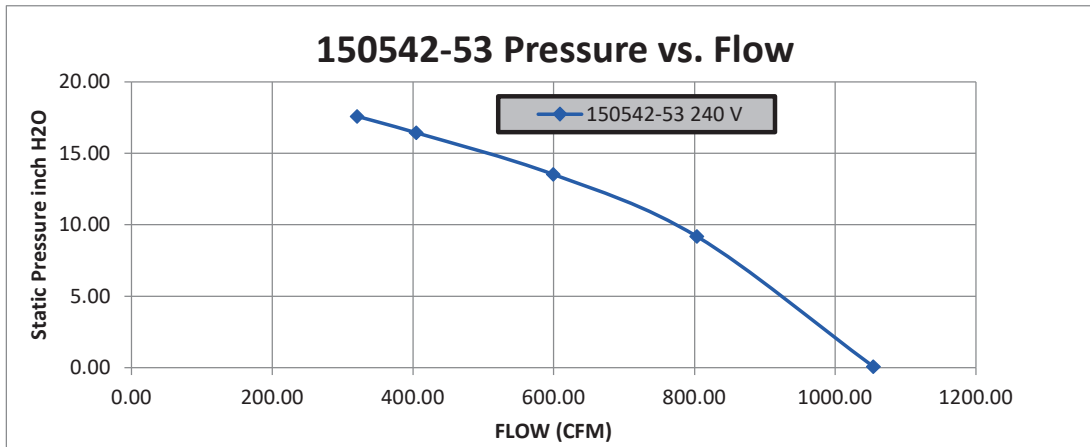
OPERATING INPUT VOLTAGE: RANGE: 180-264 VAC
OPERATING INPUT VOLTAGE: 240V 1Ø

OPTIONAL FEATURES

SPEED CONTROL: PWM Pull Up , Open Loop, 3-Pin Power, 5-Pin Control

REGULATORY CERTIFICATIONS

COMPLIANCE: RoHS and Reach
UL FILE NUMBER: E94403
AGENCY FULL LOAD AMPS: 17A
REFERENCE: E-51568



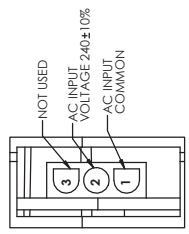
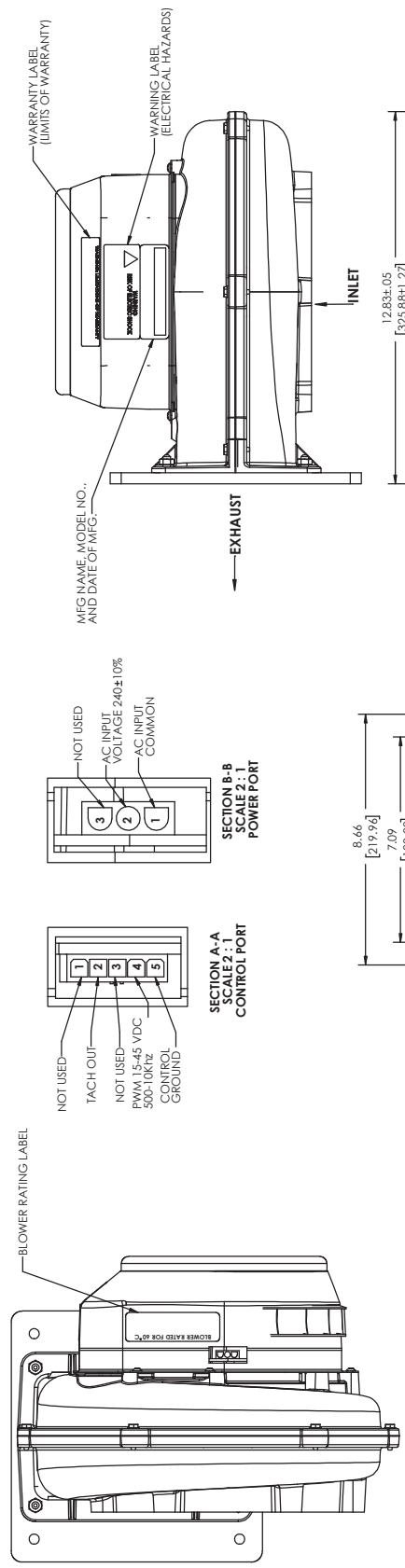
Flow Rate <i>cfm</i>	Static Pressure <i>inch H2O</i>	Total Pressure <i>inch H2O</i>	Current <i>A</i>	Power Demand <i>W</i>	Voltage <i>V</i>	Flow Temp. <i>°C</i>	Rotational Speed <i>rpm</i>	Static Efficiency <i>%</i>	Total Efficiency <i>%</i>
1054.46	0.06	0.50	16.09	2060.90	239.64	19.60	6000	0.38	3.04
803.61	9.18	9.51	14.65	1848.64	239.78	19.64	6510	46.88	48.57
599.47	13.52	13.70	13.40	1664.73	239.92	19.69	6990	57.20	57.98
404.46	16.43	16.52	12.27	1503.20	240.03	19.77	7530	51.96	52.22
320.89	17.58	17.63	11.63	1413.84	240.09	19.83	7890	46.88	47.02

PERFORMANCE DATA IS FOR REFERENCE ONLY

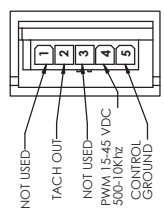
THIS PRODUCT HAS BEEN TESTED AND VALIDATED TO BE ACCEPTABLE IN OUR APPLICATION. APPROVED BY:

PRINT NAME: _____
TITLE: _____
DATE: _____
COMPANY: _____

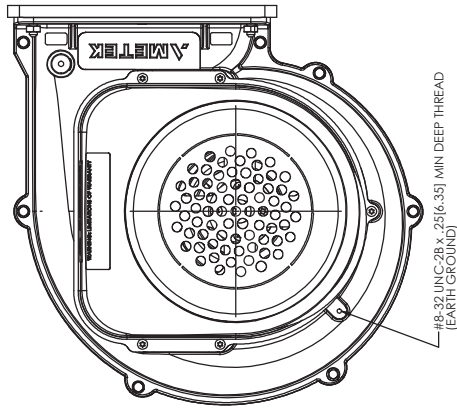
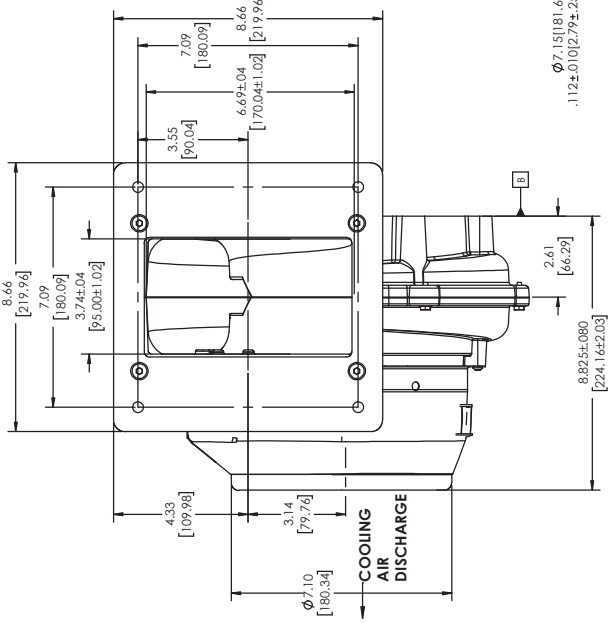
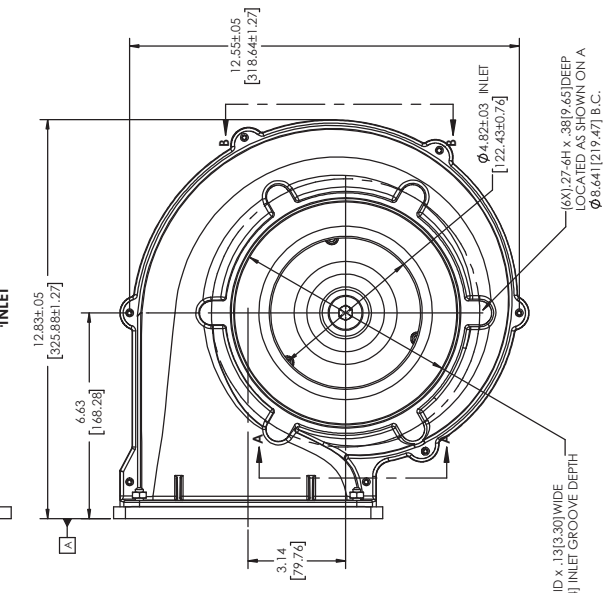
- NOTES:**
1. RoHS AND REACH COMPLIANCE. REFERENCE AMETEK ENVIRONMENTAL SPECIFICATION ES0010 FOR DETAILS.
 2. **POWER CONNECTION:** BLOWER CONNECTOR MATES WITH CUSTOMER SUPPLIED CONNECTOR. AMP. PN#350766-1 USING SOCKET TERMINALS; 350536-3 OR EQUIV. ON #14AWG; 125°C; 60V WIRE.
 3. **CONTROL CONNECTION:** BLOWER CONNECTOR MATES WITH CUSTOMER SUPPLIED CONNECTOR MOLEX PN# 39-01-4051 USING SOCKET TERMINALS; 39-00-0208 OR EQUIV. ON #22GA., 125°C, 300V WIRE.
 4. ALL INTAKE, EXHAUST, COOLING DUCTS AND VENTS MUST NOT BE OBSTRUCTED BY MOUNTING.
 5. 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.
 6. SUBJECT TO CHANGE WITHOUT NOTICE. CONTACT FACTORY FOR CURRENT REVISION.
 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.



**SECTION B-B
SCALE 2:1
POWER PORT**



**SECTION A-A
SCALE 2:1
CONTROL PORT**



#8-32 UNC-2B x .25 [6.35] MIN DEEP THREAD (EARTH GROUND)