

Nautilair®

7.6"; 120 VAC; 1Ø Combustion Blowers - High Output

MECHANICAL

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

PERFORMANCE

FLOW CLASSIFICATION: High Output
STAGES: 1 Stage

TEMPERATURE

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

Model: 150145-55

ELECTRICAL

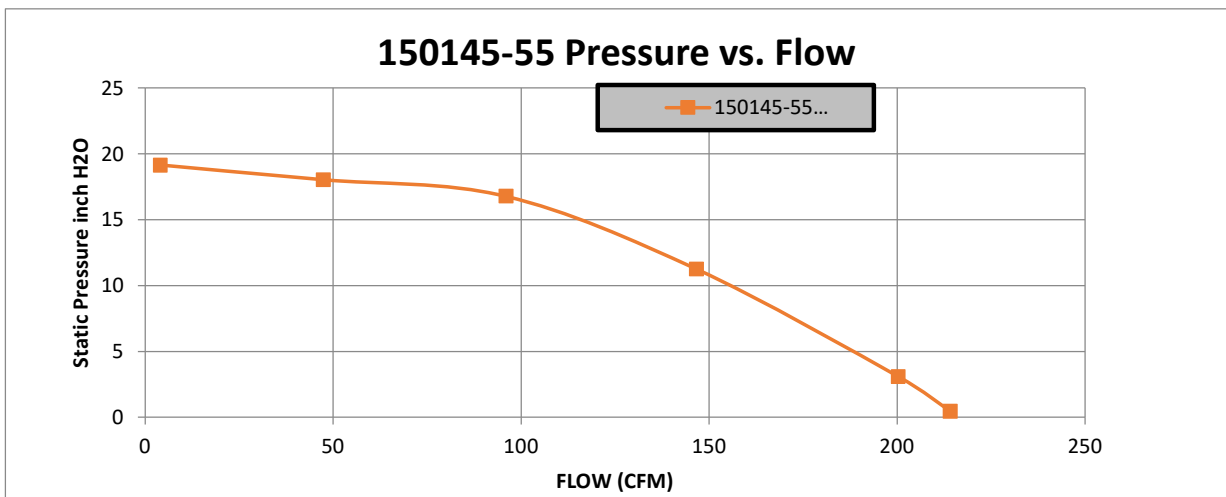
OPERATING INPUT VOLTAGE: RANGE: 100-120 VAC
OPERATING INPUT VOLTAGE: 120V

OPTIONAL FEATURES

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

REGULATORY CERTIFICATIONS

COMPLIANCE: RoHS and Reach
UL FILE NUMBER: E94403
AGENCY FULL LOAD AMPS: 10.5A
Reference: E-54202



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>
214.10	0.46	0.83	10.40	917.81	120.33	24.08	9540	1.26	2.30
200.28	3.09	3.42	10.34	905.78	120.09	24.38	9630	8.10	8.96
146.61	11.24	11.42	9.32	787.42	120.22	25.05	9780	24.85	25.24
95.96	16.78	16.86	7.38	577.06	120.35	25.42	9780	33.16	33.31
47.34	18.04	18.05	5.51	400.30	120.39	25.36	9780	25.35	25.38
4.01	19.15	19.15	3.88	266.95	120.34	24.90	9780	3.42	3.42

Performance Data is for Reference only

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. **POWER CONNECTION:** BLOWER CONNECTOR, AMP UNIVERSAL MATE-N-LOK (PN# 350767-1) MATES WITH CUSTOMER SUPPLIED AMP CONNECTOR, (PN# 350766-1) USING FEMALE TERMINALS, PN# 350536-3 OR EQUIVALENT WITH THE FOLLOWING WIRE SPECIFICATIONS:
BLACK AND WHITE WIRES: 16GA. WIRE, 600V, 105°C.
GREEN/YELLOW WIRE: 18GA. WIRE, 600V, 105°C.
4. **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.
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.
6. ROHS AND REACH COMPLIANCE, REFERENCE AMETEK ENVIRONMENTAL SPECIFICATION E50010 FOR DETAILS.

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

APPROVED BY: _____
PRINT NAME: _____
TITLE: _____
DATE: _____
COMPANY: _____

