

Nautilair 151132-57

MECHANICAL

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

PERFORMANCE

FLOW CLASSIFICATION: High Output
STAGES: 1 Stage

TEMPERATURE

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

ELECTRICAL

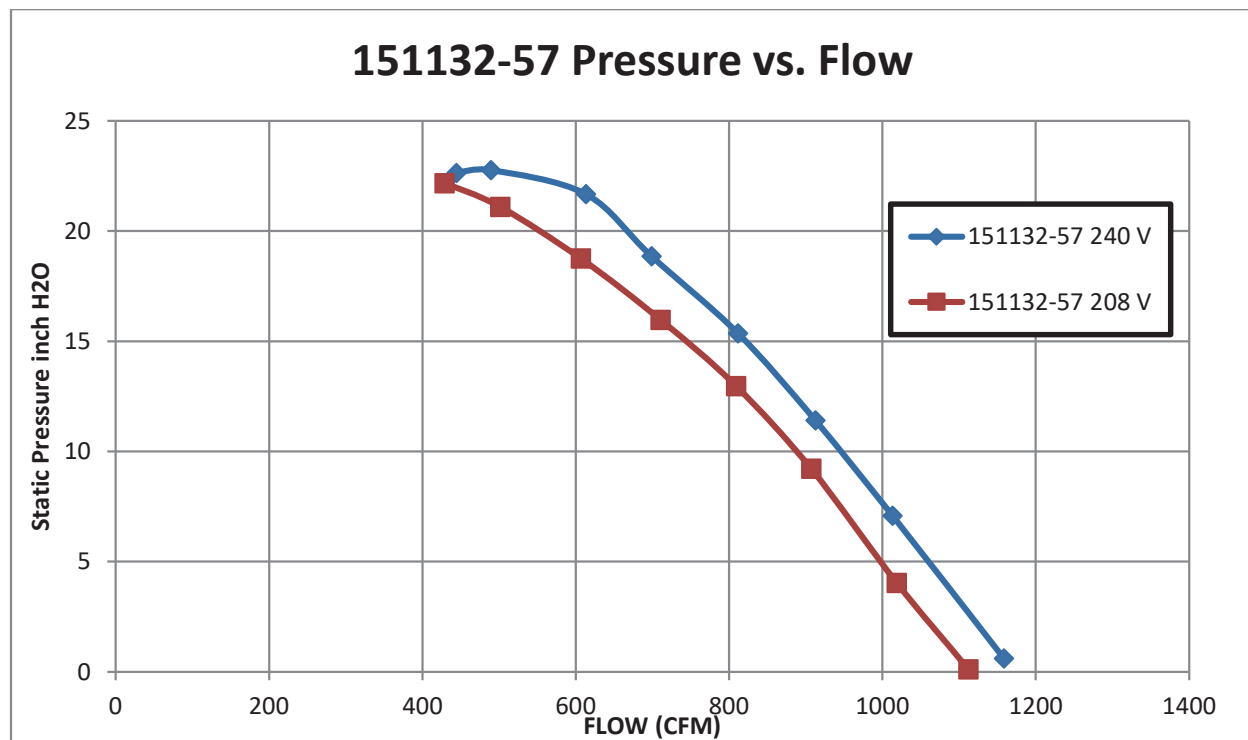
OPERATING INPUT VOLTAGE RANGE: 208-264VAC
OPERATING INPUT VOLTAGE: 216-264VAC, 3 Φ

OPTIONAL FEATURES

SPEED CONTROL: PWM, Pull Down, closed loop
OTHER: 3-Pin Power Port; 5-Pin Control Port
 If loss of signal to zero speed (Pull Down)
 Power output option enabled
 Custom Programming

REGULATORY CERTIFICATIONS

COMPLIANCE: RoHS and Reach
UL FILE NUMBER: E94403

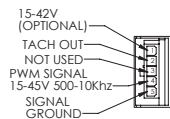


DESIGN APPLICATION: Designed to provide variable airflow for low NOx and CO emission in high efficiency gas fired combustion systems. Built with non-sparking materials. Blower housing assembly constructed of die cast aluminum. Impeller constructed from hardened aluminum. Rubber isolation mounts built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

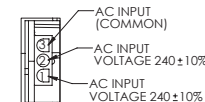
MISCELLANEOUS: Blower inlet, discharge, and all motor cooling inlet and discharge vents must not be obstructed. Motor ventilation air to be free of oils and other foreign particles. Blower is to be mounted so ventilation air cannot be re-circulated.

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. **POWER CONNECTION:** BLOWER CONNECTOR, MATES WITH CUSTOMER SUPPLIED AMP CONNECTOR, (PN#350766-1) WITH FEMALE TERMINALS, PN#350536-3 OR EQUIVALENT ON 16GA, 125°C, 600V WIRE.
4. **CONTROL CONNECTION:** BLOWER CONNECTOR, MATES WITH CUSTOMER SUPPLIED MOLEX SERIES 5557 CONNECTOR HOUSING, (PN#39-01-4051) WITH FEMALE TERMINALS, (PN# 39-00-0208) OR EQUIVALENT ON 22GA, 125°, 300V WIRE.
5. 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.
6. RoHS AND REACH COMPLIANCE, REFERENCE AMETEK ENVIRONMENTAL SPECIFICATION ES0010 FOR DETAILS.



SECTION A-A
SCALE 1 : 1
CONTROL PORT



SECTION B-B
SCALE 1 : 1
POWER PORT

