


DEFEND NVI050 SPECIFICATIONS



The Novaerus Defend 1050 (NVI050) has been cleared by the FDA as a 510(k) Class II Medical Device to filter out and inactivate airborne virus and bacteria within large rooms and indoor spaces. It inactivates aerosolized viruses, bacteria, and fungi and purifies the air of pollen, particulate matter (PM), volatile organic compounds (VOCs), and odors. The NVI050 is a free-standing, portable recirculating air cleaning system designed for continuous 24/7 front-line protection in healthcare settings to provide airborne infection control where the risk of Healthcare-Associated Infections (HAIs) and Surgical Site Infections (SSIs) are at their highest.

 **FDA Cleared**
510(k) Class II Medical Device

MODEL

Defend NVI050
Floor standing, 2-wheel base + handle
Device supplied with 6.6 ft power cord

AREA COVERAGE

200 – 1,000 ft² (4 air changes per hour),
400 – 2,000 ft² (2 air changes per hour)

VOLUME TREATMENT

1,600 – 8,000 ft³ (4 air changes per hour)
3,200 – 16,000 ft³ (2 air changes per hour)

ELECTRICAL RATING

Single Phase, 100-120 VAC, 60 HZ
Fuse rated at 120 VAC, 6.3 Amps
Listed

POWER CONSUMPTION

Maximum 396W

CONSTRUCTION + COLOR

Precision-cut fabricated metal casing in
a white anti-bacterial powder coat finish

DIMENSIONS + WEIGHT

36.2" (h) × 19.3" (w) × 23.2" (d)
118.6 lbs

ELECTRICAL CONNECTION

Switched and fused with a grounded, molded
and detachable power cord

DEFEND 1050 SPECIFICATIONS

FAN AIR FLOW

Speed 1 = 107 CFM
Speed 2 = 187 CFM
Speed 3 = 267 CFM
Speed 4 = 400 CFM
Speed 5 = 535 CFM

FILTERS

Stage 1: M5 30/30 filter
Stage 2: HEPA H13 filter, MGA grade
Stage 3: G4 carbon pleated filter

NOISE LEVEL

Speed 1 = 48 dBA
Speed 2 = 56 dBA
Speed 3 = 62 dBA
Speed 4 = 70 dBA
Speed 5 = 78 dBA

OPERATING CONDITIONS

50 – 95 °F, 10 – 75% Relative Humidity

SHIPPING STORAGE

41 – 122 °F, Maximum 95% Relative Humidity

QUALITY & SAFETY

Manufactured under ISO 9001, ISO 14001 & OHSAS 18001.
IEC 60601-1, Third Edition
IEC 60601-1-2, Fourth Edition
UL 867 Safety for Electrostatic Air Cleaners
FDA K200321.510(k) Class II Medical Device

