


DEFEND 1050 SPECIFICATIONS



The Novaerus Defend 1050 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 is a free-standing, portable recirculating air cleaning system designed for additional front-line protection in healthcare settings.

 FDA Cleared
510(k) Class II Medical Device

MODEL

Defend 1050 - Floor standing, 2-wheeled base + handle, 5-speed fan setting 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



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FAN AIR FLOW

Speed 1 = 107 CFM
Speed 2 = 187 CFM
Speed 3 = 267 CFM
Speed 4 = 400 CFM
Speed 5 = 533 CFM

FILTERS

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

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



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