OM6000DD
Specifications and Technical Data

TYPICAL APPLICATIONS:

SOURCE CAPTURE OF:
- OIL / COOLANT MIST
- WELD SMOKE AND FUMES
- DRY DUSTS
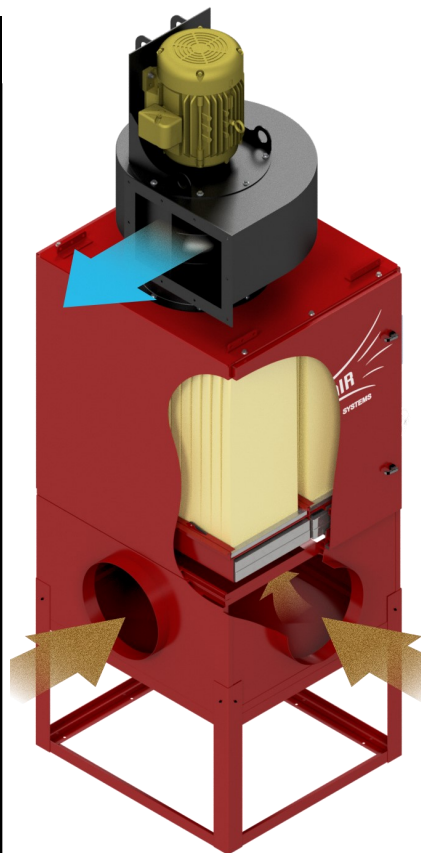- ODORS AND VAPORS

STANDARD FEATURES:

- 6,000 CFM NOMINAL
- HIGH CAPACITY—ALLOWS FOR MULTIPLE PICK-UPS
- UP TO FOUR-STAGE FILTRATION
- SIDE LOAD, EASY FILTER ACCESS
- CAM-LOCK POSITIVE FILTER SEALING
- HEAVY DUTY BLOWER
- POSITIVE SEALING CABINET

OPTIONS:

- FLOOR STAND
- HIGH EFFICIENCY MIST-X PREFILTER
- HEPA AFTERFILTER
- 7 1/2, 10, OR 15 HP FAN OPTIONS
- MOTOR STARTER AND OVERLOAD PROTECTION
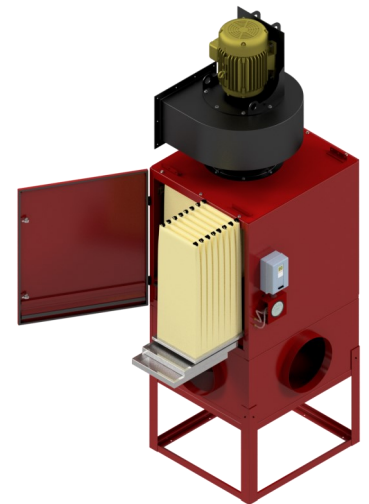- START/STOP SWITCH
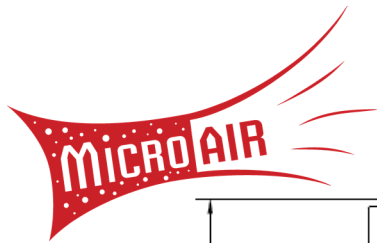- SILENCER

HOW IT WORKS:

Mist laden air flows through the inlet or inlets into the bottom plenum. The air then turns 90 degrees and goes upward through the four baffle impingers and then the four aluminum mesh prefilters. These filters remove most of the oil. Finally, the air goes through the four 95% oil mist bags. These special filters remove any remaining mist and smoke. The filters are lined with a special media that facilitates draining of the oil back into the plenum. Clean air is then discharged at the top of the unit providing Breathe Easy Clean, Safe Air to the facility.. Oil drains out the bottom of the plenum.
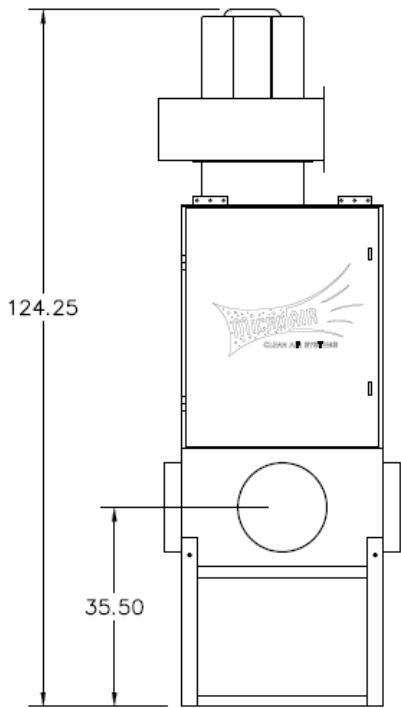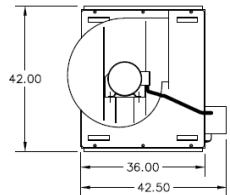
Optional High-Efficiency Mist-X Prefilter

Micro Air's Mist-X pre-filter, constructed of multiple v-shaped pockets, positioned in an offset arrangement, creates a vortex, causing the oil and mist to impinge into the chevron pockets. This vortex action causes oil mist and smoke particles to impinge on the walls of the filter where they are then removed from the air stream and drained from the filter into the sump.
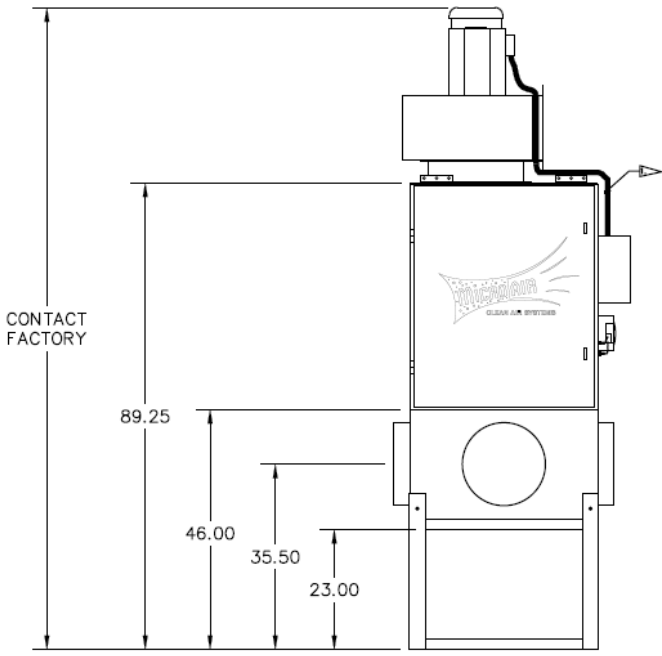
OM6000DD

42.00
36.00
42.50

124.25
35.50

OM6000DD—10 HP Blower—Floor Stand

CONTACT FACTORY
89.25
46.00
35.50
23.00

OM6000DD

OM6000DD SPECIFICATIONS:

OVERALL DIMENSIONS:
*89"" H X 36" W X 42" D WITH FLOOR STAND
*111"" H X 36" W X 42" D WITH FLOOR STAND AND HEPA AFTERFILTER
*DIMENSIONS DO NOT INCLUDE FAN—CONSULT FACTORY

WEIGHT:
*750 LBS ACTUAL WEIGHT
*825 LBS SHIPPING WEIGHT
*WEIGHT VARIES DEPENDING UPON OPTIONS SELECTED

CABINET:
HEAVY DUTY 14 GA. WELDED GALVANEAL STEEL W/EXTERIOR SURFACES GROUND SMOOTH

FINISH:
INDUSTRIAL GRADE TEXTURED BAKED
CRIMSON RED ENAMEL PAINT—INSIDE AND OUT

PREFILTER OPTIONS:
FOUR EA, 16" X 20" X 2" ALUMINUM MESH PREFILTER
FOUR EA. 16" X 20" X 2" BAFFLE TYPE OIL IMPINGER FILTERS
FOUR EA. 16" X 20" X 4" PLEATED PREFILTER
FOUR EA. 16" X 20" X 2" PLEATED PREFILTER
FOUR EA. 16" X 20" X 3" MIST-X (CHEVRON) PREFILTER
FOUR EA. 16" X 20" X 2" MAXI-GRID (PINK SCRIM) PREFILTER
FOUR EA. 16" X 20" X 1" ALUMINUM MESH PREFILTER

PRIMARY FILTER OPTIONS:
FOUR EA. 16" X 20" X 36" 55% BAG FILTER
FOUR EA. 16" X 20" X 36" 95% BAG FILTER
FOUR EA. 16" X 20" X 36" 95% OIL MIST BAG FILTER

AFTERFILTER OPTIONS:
18" X 30" X 12" 99.97% DOP HEPA FILTER

FILTER ACCESS:
SIDE LOAD THROUGH HINGED DOOR FOR EASY ACCESS

CONTROLS:
MOTOR STARTER / OVERLOAD PROTECTION / START / STOP

INLET / EXHAUST:
INLET AT BOTTOM OF UNIT THROUGH INLET PLENUM / EXHAUST OUT TOP OF UNIT

MOTOR :
SINGLE SPEED, 208-230/460V, 60 HZ, THREE PHASE, TEFC
7.5 HP, 10 HP, OR 15 HP STANDARD OPTIONS

BLOWER:
DIRECT DRIVE, HIGH STATIC, BACKWARD INCLINED PLUG FANS

MAX CURRENT
7 1/2 HP, 230V / 460V - 19.0 / 9.5 AMP
10 HP, 230V / 460V—24.6 / 12.3 AMP
15 HP, 230V / 460V—35.0 / 17.5 AMP

AIR VOLUME:
UP TO 6,000 CFM NOMINAL , DEPENDENT ON OPTIONS SELECTED.
CONSULT FACTORY

FILTER CHANGE INDICATOR OPTIONS:
0-5" MAGNEHELIC GAUGE

OIL DRAIN:
1" NPT PIPE COUPLING (FEMALE)

MOUNTING OPTIONS:
FLOOR STAND

INLET PLENUM:
THREE EA.16" DIA. COLLARS W/2 EA 16" CAPS
THREE EA. 16" DIA. COLLARS W/ 14" REDUCERS & CAPS (2)
THREE EA. 16" DIA. COLLARS W/12 " REDUCERS & CAPS (2)
THREE EA. 16" DIA. COLLARS W/10" REDUCERS & CAPS (2)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

L2251-OM6000DD-04/22