

## Model OM3510 Specifications and Technical Data

### TYPICAL APPLICATIONS

#### Source Capture of:

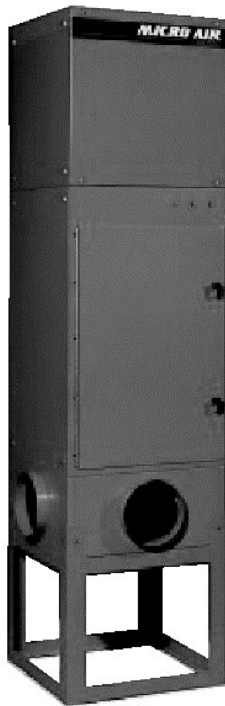
- Oil Mist
- Welding Smoke
- Dry Dusts
- Odors and Vapors

### Features:

- Special Oil Mist Filters
- Up to Four-Stage Filtration
- Side Load, Easy Filter Access
- Filter Change Light Or Magnahelic Gauge
- Cam-Lock Positive Filter Sealing
- Heavy-Duty Blower
- Positive Sealing Cabinet
- Full Range of Options

### Options:

- Silencer.
- 24" x 24" x 12" Refillable Modules Which Will Hold 40 Lbs. of Charcoal.
- 95% or 99.97% DOP HEPA Filter.
- High Static Pulley Options.
- Side Exhaust Capability.
- Motor Controls for 3 Phase Units



## Specifications

**OVERALL DIMENSIONS:** 81" H X 26" W X 26" D—ADD 24" FOR STAND HEIGHT  
**WEIGHT:** 300 LBS ACTUAL; 340 LBS SHIPPING

**CABINET:** 16 GAUGE WELDED GALVANEALD STEEL WITH EXTERIOR SURFACES GROUND SMOOTH.

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

**PREFILTERS:** 24" X 24" X 2" BAFFLE-TYPE IMPINGER AND 24" X 24" X 2" ALUMINUM MESH FILTER.. OTHER OPTIONAL PREFILTERS ALSO AVAILABLE.

**STANDARD PRIMARY FILTER:** 24" X 24" X 32" 10 POCKET 95% AVERAGE EFFICIENCY OIL MIST BAG WITH 107 SQ. FT. OF MEDIA. ALSO AVAILABLE IN 65% OR 95% AVERAGE EFFICIENCY\* CONFIGURATIONS. OTHER OPTIONAL FILTERS AVAILABLE.

**FILTER ACCESS:** SIDE LOAD THROUGH HINGED DOOR FOR EASY ACCESS.

**EXHAUST:** MODULAR DESIGN ALLOWS BLOWER MODULE TO BE TURNED IN ANY DIRECTION. 4 WAY ADJUSTABLE GRILLE IS STANDARD.

**MOTOR:** SINGLE SPEED, 3HP, 3-PHASE, 208/230/460V, 60 HZ, TEFC BALL BEARING MOTOR, MAXIMUM 8.6 AMPS(4.3 AMPS 460V)  
 SINGLE SPEED, 2HP, 3-PHASE, 208/230/460V, 60 HZ, TEFC BALL BEARING MOTOR, MAXIMUM 6.2 AMPS(3.1 AMPS 460V)  
 SINGLE SPEED, 1 1/2 HP, 3-PHASE, 208/230/460V, 60 HZ, TEFC BALL BEARING MOTOR, MAXIMUM 4.6 AMPS(2.3 AMPS 460V)  
 SINGLE SPEED, 1 1/2 HP, SINGLE PHASE, 120V, 60 HZ, TEFC BALL BEARING MOTOR, MAXIMUM 17.2 AMPS.

**AIR FLOW:** CONSULT BLOWER CURVES FOR SPECIFIC CONFIGURATIONS.

**BLOWER:** BELT DRIVEN 12-9 BLOWER.

**PULLEYS:** LOW, MEDIUM OR HIGH STATIC PULLEY COMBINATIONS ARE AVAILABLE. CONSULT BLOWER CURVES FOR PERFORMANCE.

**FILTER CHANGE:** FILTER CHANGE LIGHT OR MAGNAHELIC GAUGE.

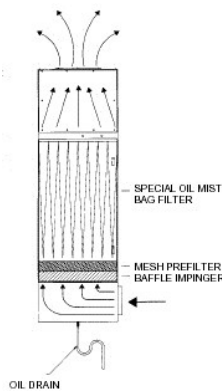
**ELECTRICAL:** DEPENDING ON MOTOR, 120V, SINGLE PHASE, 60 HZ OR 208/230/460 V, 3-PHASE, 60 HZ. OPTIONAL 575V ALSO AVAILABLE.

**NOISE LEVEL:** 70 DBA MEASURED 6' FROM THE EXHAUST GRILLE.

**CONTROLS:** WIRING EXTENDED THROUGH CABINET FOR EASY HOOKUP BY ELECTRICIAN ON ALL 3-PHASE UNITS. SINGLE PHASE, 120 V MODELS COME STANDARD WITH 10' POWER CORD AND ON/OFF TOGGLE SWITCH.

## HOW IT WORKS

Oil mist laden air flows through the inlet into the bottom of the unit where it turns 90 degrees. The air goes upward through the impinger, then the mesh prefilter, and finally through the special oil mist bag. Clean air is then discharged at the top of the unit. Oil drains out the bottom of the unit.



Specifications subject to change without notice.  
 \*All efficiencies are per ASHRAE 52-76.