

# NorAM M3XE External Paint Booths

Specifications and features are subject to change.

## Dimensions

- 14' wide x 25' long x 9' high (inside)
- 14'5" wide x 25'5" long x 11' high (outside)
- Optional length extensions
- Optional width extensions
- Optional height extensions

## Construction

- 2 1/2" thick wall panels with 3" compressed R-19 insulation
- Panels have double-skin 20 gauge metal construction
- Panels are non-glare white on both sides
- Self-sealing, interlocking wall panels utilize internal steel frame
- 3" leak-proof standing seam roof with hidden fastener system
- Windows and lights made with tempered safety glass
- Wide ceiling beams for easy installation of fire suppression
- Large adjustable steel hinges with bearing surfaces
- Personnel doors have oversize observation windows
- Full perimeter neoprene door gaskets for weather-tight seal
- Push panic exit door hardware
- Includes integral gutter system with downspouts
- Weatherized mechanicals are protected by service canopy
- Components are plastic coated for shipping

## Lighting

- "Opti-Light" 360° lighting system features lights above walls and doors
- 25' booth has (14) ceiling mounted custom 6-tube fixtures with asymmetrical reflectors for shadow-free illumination
- Color correcting 97 CRI/6000°K high intensity 48" bulbs
- Wall lighting available

## Pit System

- Full downdraft airflow with pit
- Extra large 10' x 20' four row pit (standard) perfectly matches the 10' x 20' plenum output for best airflow
- Special "air curtain" around vehicle reduces contamination

## Filtration

- 10 micron ceiling filter in four 10' x 5' sections, compression sealed with swing-down housing for easy access
- 2 1/2" fiberglass 18 gram pit filtration media
- Pre-filtration of incoming air using poly pocket filters
- Filtration of recycled air using poly pocket filters
- Post-filtration in exhaust system using poly pocket filters

## Control Panel

- Digital display
- Spray and cure temperature settings
- Cure and purge timers
- Adjustable automatic cool-down cycle
- Cabin pressure gauge
- Burner on/off switch for unheated operation
- Spray gun air supply controlled by cabin pressure
- Hour meter
- Emergency stop "panic button"

## Heat System

- ETL listed
- 14,000 CFM at 2" s.p. standard, options to over 42,000 CFM
- 1.5 MBTU "Jet Fire" induction burner standard, options to over 3.0 MBTU
- Forward curved double inlet/double outlet fan system is belt driven and features adjustable vibration-free mounting
- 10HP TEFC motor standard, 5HP-15HP TEFC motors optional
- Motor assembly and fan bearings outside of heated airflow; utilizes sealed ball bearings with lube fittings
- Heat rise up to 120° or more over ambient air temperature
- Automated 35:1 turn-down ratio reduces fuel consumption
- 80% of cabin air recycled and refiltered during curing
- Full cabin recirculation--not just in heat system
- Curing cycle runs at full air speed for fast, efficient curing of high-solid and water borne paints
- Multi-stage filtration of incoming air, as well as both recycled and exhaust air, reduces paint contamination
- "Opti-Quiet" design construction
- Every system is customized for altitude and air temperature at your installation site--no seasonal adjustments needed
- Versatile direct-fired configurations

## Exhaust System

- Configured to match intake for balanced booth pressure
- 10HP TEFC motor standard, 5HP-15HP TEFC motors optional
- Belt driven for precise CFM adjustment
- Motor assembly and bearings outside of heated airflow
- Cabin pressure controlled electronically by automated damper or VFD on exhaust motor
- Post-filtration before exhaust fan reduces maintenance
- Spark-proof construction, ETL listed
- 2" fan shafts

## Options/Upgrades

- Roof transitions or additional canopies
- Full drive through configuration
- Above ground metal basement
- Attached external paint mixing room
- Matching prep/refinishing stations
- "Opti-Cure" PLC/VFD controls
- VFD cabin pressure adjustment
- Remotely mounted control panel(s)
- Wall lighting
- Custom filtration, including carbon filters for VOC abatement
- Duct packages