

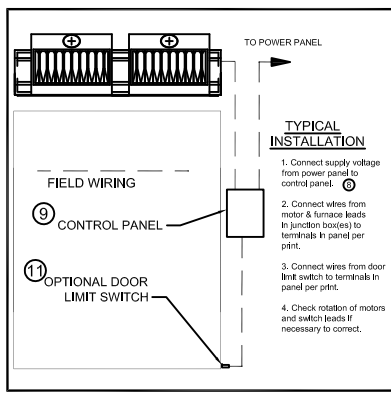
NOTES:

- ① This product is designed to comply with National Electrical Code (NEC). Duct furnaces design is certified by CSA International for use with natural and LP (Propane) gases with Single Stage Gas Valve and Aluminized Heat Exchanger and Burners.
- ② (4) 1/2" diameter mounting holes (2) on each end for overhead mounting on hanging rods.
- ③ Duct Furnace(s) are AGA and CGA Design Certified with Single Stage Gas Valve and Aluminized Heat Exchanger and Burners.
- ④ Dimension "F" is only applicable to units with multiple furnaces.
- ⑤ Power Venter Flue Connection field adjustable. Horizontal or Vertical flue.
- ⑥ All cabinets welded in one piece, fire retardant and corrosion proof paint lock metal, double protected with baked on gray color, rust preventive electrostatic polyurethane powder coating.
- ⑦ One watertight electrical junction box per motor mounted on top center of each motor.
- ⑧ Unit is to be installed such that air flow is unobstructed. Air discharge grille containing adjustable ($\pm 45^\circ$) aluminum airfoil shaped vanes.
- ⑨ Motor & Furnace control panel. Overloads are factory preset. Standard procedure is control panel to be shipped loose for remote mounting. Control panel can be factory mounted and wired on unit. Specify left or right side mounting.
- ⑩ Circuit Protection as per NEC by others.
- ⑪ Optional door limit switch is field installed and is to be wired to the control panel. Switch is to be mounted such that air curtain turns on as soon as door begins to open.
- ⑫ Remote mounted thermostat field installed by others. Thermostat to regulate furnace(s) operation, must be located in area which senses either the intake or discharge temperature. (Max output 90°F)



LR92218-1

MODEL NUMBER	MOTORS		DISCHARGE LENGTH "A"	UNIT LENGTH "B"	MOUNTING CENTERS "C"	END SPACE "D"	BURNER WIDTH "E"	CENTER SPACE "F"	MOUNTING DISTANCE "G"	DIM "H"	QVD FURNACE SIZE (MBH)
	NO	HP									
WMI96-2I	2	2	96"	99"	97 1/2"	12 7/16"	26 1/8"	21 7/8"	12 13/16"	25 3/8"	(2) - 200
WMI108-2I	2	3	108"	111"	109 1/2"	14 1/16"	28 7/8"	25 1/8"	14 7/16"	28 1/8"	(2) - 225
WMI120-2I	2	3	120"	123"	121 1/2"	18 7/16"	26 1/8"	33 7/8"	18 13/16"	25 3/8"	(2) - 200
WMI144-2I	2	3	144"	147"	145 1/2"	18 15/16"	37 1/8"	34 7/8"	19 5/16"	36 3/8"	(2) - 300
WMI156-3I	3	2	156"	159"	157 1/2"	13 1/16"	28 7/8"	23 1/8"	13 7/16"	28 1/8"	(3) - 225
WMI168-3I	3	3	168"	171"	169 1/2"	15 1/16"	28 7/8"	27 1/8"	15 7/16"	28 1/8"	(3) - 225
WMI180-3I	3	3	180"	183"	181 1/2"	18 7/16"	26 1/8"	33 7/8"	18 13/16"	25 3/8"	(3) - 200
WMI192-4I	4	2	192"	195"	193 1/2"	12 7/16"	26 1/8"	21 7/8"	12 13/16"	25 3/8"	(4) - 200



PROJECT	Model No.:
LOCATION	Drawing No.:
ARCHITECT	Date
ENGINEER	Sheet of
	Drawn By:
	Checked By:

MARS AIR SYSTEMS

14716 S. BROADWAY • GARDENA, CA 90248 • USA
 TEL: (310) 532-1555 • (800) 421-1266 • FAX: (310) 324-3030
 Web Site: www.marsair.com • E-mail: info@marsair.com

WMI WIND STOPPING 14 INDIRECT GAS FIRED HEATED MODELS

JOB:

ARCHITECT/ENGINEER:

DRWG.: _____

CONTRACTOR:

SHEET _____ **of** _____ **DATE:** _____

MARK	INDIRECT FIRED GAS MODEL NUMBER	NO. REQ'D	LENGTH	WEIGHT	FURNACE DATA			MOTOR FAN DATA							REMARKS	
					MBH INPUT MAX	TEMP. RISE °F MIN	NATURAL GAS (NPT) CONN.	MOTOR HP	MOTOR RPM	VOLTS & PHASE	MOTOR AMPS THREE PHASE		MAX FPM @ NOZZLE	MAX CFM @ NOZZLE		dBA Measured 10 ft. from Nozzle
											230V	460V				
	WMI96-2I		99"		2 @ 200	40	3/4"	2 @ 2	850			15.6	7.8	5500	9154	
	WMI108-2I		111"		2 @ 225	42	3/4"	2 @ 3	850			22	11.8	4900	9314	
	WMI120-2I		123"		2 @ 200	39	3/4"	2 @ 3	850			22	11.8	5200	9474	
	WMI144-2I		147"		2 @ 300	41	3/4"	2 @ 3	850			22	11.8	5800	13422	
	WMI156-3I		159"		3 @ 225	41	3/4"	3 @ 2	850			15.6	11.7	5400	13890	
	WMI168-3I		171"		3 @ 225	40	3/4"	3 @ 3	850			33	17.7	4900	15060	
	WMI180-3I		183"		3 @ 225	39	3/4"	3 @ 3	850			33	17.7	5200	13731	
	WMI192-4I		195"		4 @ 200	40	3/4"	4 @ 2	850			31.2	15.6	5500	18308	

EQUIPMENT SPECIFICATIONS - Standard Features

GENERAL

Air curtain shall be a MARS® WMI Wind Stopping Indirect Gas Fired

APPROVALS

The Air Curtain shall meet all the requirements of the National Electric Code NEC. The Duct Furnace shall be approved by the American Gas Association (AGA) and Canadian Gas Association (CGA).

CABINET AND TRANSITION

Heavy gauge galvanized steel housing, designed as box beams for outstanding structural strength and the ability to span openings to thirty feet without intermediate support. Units have a baked gray electrostatic polyurethane powder coating. Scrolls have a split housing design, that provides easy access to fans and motors. The scroll is designed to accumulate air and guide it to the discharge outlet for efficient air distribution. Air curtain has an expanded metal intake screen, which allows maximum air flow into the unit. Unit has a patented adjustable lockable discharge grille with specially made air foil blades, allows you to adjust the blades ±45° for the most efficient air flow.

FURNACE CONTROLS

Heat exchanger shall be Indirect Natural Gas Fired, Gravity Vented Duct Furnace, Heat Exchanger and Die-formed Burners shall be constructed of Aluminized Steel with Stainless Steel Insert Burners. Manifold, Orifices, Flame Sensor and Ignitor shall be easily removable as an assembly.

INDIRECT FIRED, GAS HEATED FURNACES

Unit shall include a 24 Volt Control Transformer, Combination Single-Stage Gas Control System with a Regulated Combination Redundant Gas Valve and an Intermittent Spark Pilot with Electric Flame Supervision. The unit also includes a remote mounted 24 Volt Thermostat with a Heat & Off Switch. The Panel includes a built-in 30 Second Fan Time Delay and HOA switch on control panel door. The unit is to include all required limit and safety controls.

MOTORS AND BLOWER WHEELS

Motor shall be totally enclosed fan cooled (TEFC) type suitable for continuous heavy duty, all angle operation. Construction shall include sealed lifetime pre-lubricated ball bearings, resilient mounted and have a variable sheave to adjust speed on the belt drive. With heavy duty centrifugal blower wheels with brazed hubs generate a powerful, controlled air flow, while maintaining quiet operation. Each air curtain is fitted with statically balanced blower wheels.

* - For Ampacity Multiply FLA X 1.25

ELECTRICAL WIRING

Each motor to have a watertight junction box to be mounted on bottom center of each motor/fan assembly. Specify for alternate locations.

GUARANTEE

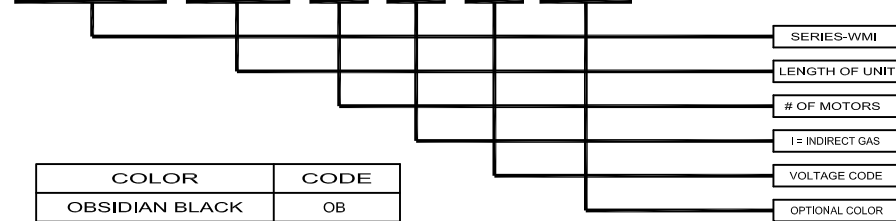
Shall be 18 months on all parts.

ACCESSORIES

Refer to the optional features and accessories page.

EXAMPLE

WMI 168-3 I H-TS



COLOR	CODE
OBSDIAN BLACK	OB
TITANIUM SILVER	TS
PEARL WHITE	PW
SPARTAN BRONZE	SB
BATTLESHIP GRAY	BG

SIZE	VOLTAGE	CODE
96"-192"	208-230/3/60	G
96"-192"	460/3/60	H
96"-192"	575/3/60	I

MADE WITH PRIDE IN THE U.S.A.