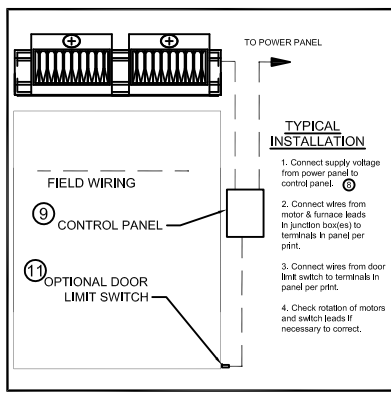


NOTES:

- 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" dia 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)



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									
WMH48-1I	1	5	48"	51"	49 1/2"	5 15/16"	37 1/8"	-	6 15/16"	25 3/8"	300
WMH60-1I	1	5	60"	63"	61 1/2"	10 3/16"	42 5/8"	-	10 9/16"	36 3/8"	300
WMH72-1I	1	7	72"	75"	73 1/2"	13 7/16"	48 5/8"	-	13 13/16"	47 3/8"	400
WMH96-2I	2	5	96"	99"	97 1/2"	6 15/16"	37 1/8"	10 7/8"	7 5/16"	36 3/8"	(2) - 300
WMH108-2I	2	5	108"	111"	109 1/2"	9 15/16"	37 1/8"	16 7/8"	10 5/16"	36 3/8"	(2) - 300
WMH120-2I	2	5	120"	123"	121 1/2"	8 3/16"	46 5/8"	13 3/8"	8 9/16"	48 3/8"	(2) - 350
WMH144-2I	2	7	144"	147"	145 1/2"	13 7/16"	48 1/8"	23 7/8"	13 3/16"	47 3/8"	(2) - 400
WMH168-3I	3	5	168"	171"	169 1/2"	10 15/16"	37 1/8"	18 7/8"	11 5/16"	36 3/8"	(3) - 300
WMH180-3I	3	5	180"	183"	181 1/2"	8 3/16"	37 1/8"	13 3/8"	8 9/16"	36 3/8"	(3) - 300
WMH192-4I	4	5	192"	195"	193 1/2"	6 15/16"	37 1/8"	10 7/8"	7 5/16"	36 3/8"	(4) - 300



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

WMH WIND STOPPING 16 INDIRECT GAS FIRED HEATED MODELS

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	FLA (AMPACITY) THREE PHASE		MAX FPM @ NOZZLE	MAX CFM @ NOZZLE		dBA Measured 10 ft. from Nozzle
											230V	460V				
	WMH48-1I		51"	690	300	42	3/4"	5	1160		15.8 (19.75)	7.9 (9.88)	7300	6595	68	
	WMH60-1I		63"	755	300	41	3/4"	5	1160		15.8 (19.75)	7.9 (9.88)	7600	7835	68	
	WMH72-1I		75"	945	400	44	3/4"	7	1160		21.0 (26.25)	10.5 (13.13)	7400	8511	71	
	WMH96-2I		99"	1375	2 @ 300	42	3/4"	2 @ 5	1160		31.6 (39.50)	15.8 (19.75)	7300	13190	69	
	WMH108-2I		111"	1455	2 @ 300	42	3/4"	2 @ 5	1160		31.6 (39.50)	15.8 (19.75)	6700	13230	69	
	WMH120-2I		123"	1675	2 @ 350	41	3/4"	2 @ 5	1160		31.6 (39.50)	15.8 (19.75)	7600	15670	69	
	WMH144-2I		147"	1890	2 @ 400	44	3/4"	2 @ 7	1160		42.0 (52.50)	21.0 (26.25)	7400	17022	72	
	WMH168-3I		171"	2210	3 @ 300	38	3/4"	3 @ 5	1160		47.4 (59.25)	23.7 (29.63)	6700	19845	70	
	WMH180-3I		183"	2270	3 @ 300	41	3/4"	3 @ 5	1160		47.4 (59.25)	23.7 (29.63)	7600	23505	70	
	WMH192-4I		195"	2755	4 @ 300	42	3/4"	4 @ 5	1160		63.2 (79.00)	31.6 (39.50)	7300	26380	72	

EQUIPMENT SPECIFICATIONS - Standard Features

GENERAL

Air curtain shall be a MARS[®] WMH 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 adjustable lockable discharge vanes 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(s) shall be totally enclosed air over (TEAO) type suitable for continuous heavy duty, all angle operation. Construction shall include sealed lifetime pre-lubricated ball bearings, resilient mounted and have double extended shaft and direct drive. Heavy duty centrifugal blower wheels with brazed hubs generate a powerful, controlled air flow, while maintaining quiet operation. Each air curtain is fitted with dynamically balanced blower wheels.

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

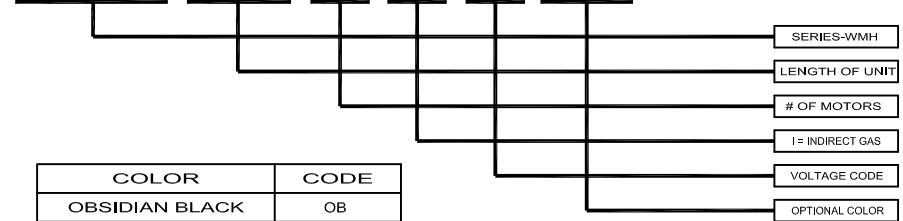
Shall be 18 months on all parts.

ACCESSORIES

Refer to the optional features and accessories page.

EXAMPLE

WMH 168-3 I H-TS



COLOR	CODE
OBSIDIAN 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.