



Marley

Industrial Products



INDUSTRIAL • COMMERCIAL

Dedicated to offering a complete line of quality industrial and commercial ventilation & heating products



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GENERAL DATA For Exhaust Ventilation and People Cooling

Fan Selections and CFM Determinations Building Cube = Length (x) Width (x) Ceiling Height

$$\text{CFM Required for Ventilation} = \frac{\text{Building Cube}}{\text{Minutes Per Air Change}}$$

Minute Air Change Chart for Many Commercial and Industrial Applications

	Typical	Range		Typical	Range		Typical	Range
Assembly Halls	(6)	2-10	Engine Rooms	(3)	1-5	Packing Houses	(4)	3-5
Auditoriums	(6)	1-20	Factories	(7)	4-10	Plants	(7)	4-10
Bakeries	(2)	1-3	Foundries	(5)	2-8	Plating Plants	(4)	2-5
Banks	(6)	3-10	Garages	(7)	4-10	Print Shops	(7)	4-10
Bars	(4)	2-5	Generating Plants	(4)	2-5	Restaurants	(6)	2-10
Barns	(15)	10-20	Glass Plants	(2)	1-3	Rest Rooms	(7)	4-10
Boiler Rooms	(2)	1-3	Gymnasiums	(6)	2-10	Schools	(7)	4-10
Bowling Alley	(3)	1-5	Hallways	(8)	4-12	Stores	(7)	4-10
Cafeteria	(4)	3-5	Kitchens (Comm.)	(3)	1-5	Theaters	(6)	4-8
Churches	(6)	2-10	Laboratories	(3)	1-5	Transformer Rooms	(3)	1-5
Classrooms	(6)	4-8	Libraries	(4)	2-5	Turbine Rooms	(4)	2-5
Compressor Rooms	(2)	1-3	Laundries	(2)	1-3	Waiting Rooms	(12)	10-15
Dance Halls	(6)	2-10	Locker Rooms	(6)	2-10	Warehouses	(7)	4-10
Dairies	(4)	2-5	Machine Shops	(4)	2-5	Welding Rooms	(3)	1-4
Dormitories	(6)	4-8	Markets	(6)	2-10			
Dry Cleaning Plant	(3)	1-5	Mills	(4)	2-5			

Example: Building size 100' (L) x 100' (W) x 10' ceiling Ht.; Plating plant with typical air change required every 4 minutes.

$$\text{CFM of exhaust ventilation} = \frac{100 \times 100 \times 10}{4} = \frac{100,000}{4} = 25,000 \text{ CFM}$$

Fan Selection: (1) One 25,000 CFM WED or WEB Wall Exhaust @.125" SP or several smaller fans totaling 25,000 @.125" SP

SAFETY YELLOW HIGH PERFORMANCE AIR CIRCULATOR



AF30H fan head shown with optional 2430PBY (pole and base) and PBWK (wheel kit).



- Safety yellow motor, guards, and mounts
- Hinged guards swing open for easy cleaning
- Factory assembled motor - blade - guard assembly to ease final assembly
- 6' drop cord extension available

Fan Performance

Blade Size	Fan Head	Max Amps	CFM	
			High	Low
30"	AF30H	2.9	10,800	7,700

Motor	2-speed 1/3 HP 1Ø 120 volt totally enclosed permanently lubricated permanent split capacitor ball bearing motor
Switch	2-speed, Drop-Cord switch
Cord	12' long 3 conductor SJT type
Blade	Coated steel
Guard	3-1/2" oversized double hinged locking, Yellow Powder coated
Fan Head Tilt	Pedestal - 10° down or 28° up Wall mount - 40° down or 0° up
Column Adjustment	48-7/8 to 66 inches
Pedestal base	27" diameter steel dome
Column/Base Connect	5 carriage bolts

Meets OSHA standards.

MEP recommends the use of safety cable model 2430SC with this fan when mounted on a wall, I-beam, ceiling, or adapter mount.

Ordering Summary

BLADE SIZE	FAN TYPE	ORDER NUMBER		SHIPPING WEIGHT	
		FAN HEAD	MOUNT	HEAD	MOUNT
30"	Head	AF30H	—	69 lbs.	—
30"	Pedestal	AF30H	2430PBY	69 lbs.	37 lbs.
30"	Wall Mount	AF30H	2430WY	69 lbs.	5 lbs.
30"	I-Beam Mount	AF30H	2430IY	69 lbs.	7 lbs.
30"	Ceiling Mount	AF30H	2430CY	69 lbs.	4 lbs.

Optional Accessories

TYPE	ORDER NUMBER
Drop Cord Extension-6'	DCE6
Motor with Drop Cord Switch	1010MPDCS
Guard & Blade Set - Hinged	AF30GB
Wheel Kit	PBWK
Safety Cable	2430SC

EXTRA HEAVY DUTY AIR CIRCULATOR

A powerful 1/2 HP circulator. This fan is engineered and designed for use in large, non-air conditioned facilities, which require general air circulation. This fan is ideally suited for providing spot cooling where long aisles and production lines exist.



24HDH fan head shown with optional 2430PB pole and base.



- Powerful 1/2 HP air circulator fan
- Fan head (motor-blade-guard) ships in one UPS-able box
- Optional mounts ship in separate UPS-able box

Fan Performance

Blade Size	Fan Head	Max Amps	CFM	
			High	Low
24"	24HDH	8.1	7,300	5,500
30"	30HDH	8.1	9,200	6,900
36"	36HDHA	8.1	12,550	9,070

Motor 1/2 HP, 2-speed, 120 volt, totally enclosed, thermally protected, PSC motor with permanently lubricated ball bearings

Switch Heavy duty pull chain

Cord 12' long 3 conductor SJT type

Blade Coated steel

Guard Double locking powder coat finish

Fan Head Tilt Pedestal - 10° down or 28° up
Wall mount - 40° down or 0° up

Column Adjustment 48-7/8 to 60 inches

Pedestal base 27" diameter steel dome

Column/Base Connect 5 carriage bolts

Ordering Summary

BLADE SIZE	FAN TYPE	ORDER NUMBER FAN HEAD	SHIPPING WEIGHT HEAD
24"	Head	24HDH	51 lbs.
30"	Head	30HDH	51 lbs.
36"	Head	36HDHA	61 lbs.

Mount Ordering Summary

ORDER NUMBER	DESCRIPTION	SHIP WT
2430PB	Adjustable Pedestal	37
2430WG	Wall Mount	5
2430I	I-Beam Mount	7
2430C	Ceiling Mount	4
2430S	Suspension Mount	4

Optional Accessories

TYPE	ORDER NUMBER
Wheel Kit	PBWK
Safety Cable	2430SC

Assembled Head Uni-pack Ordering Summary

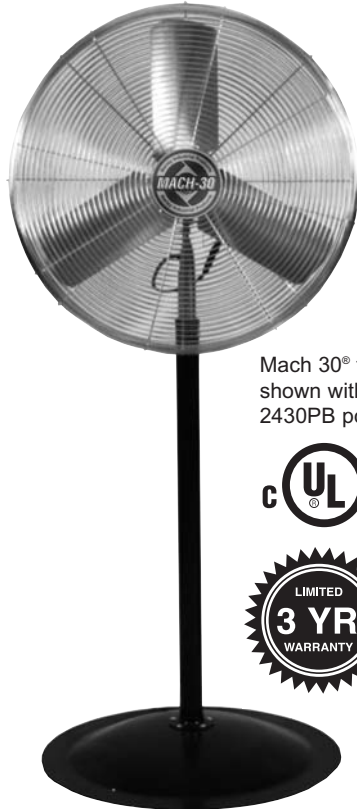
BLADE SIZE	FAN TYPE	UNIPACK ORDER#	SHIPPING WEIGHT
24"	Pedestal Mount	24HDHP	89 lbs.
24"	Wall Mount	24HDHW	56 lbs.
24"	I-Beam Mount	24HDHI	58 lbs.
24"	Ceiling Mount	24HDHC	55 lbs.
30"	Pedestal Mount	30HDHP	89 lbs.
30"	Wall Mount	30HDHW	56 lbs.
30"	I-Beam Mount	30HDHI	58 lbs.
30"	Ceiling Mount	30HDHC	55 lbs.

HIGH PERFORMANCE AIR CIRCULATOR

MACH Series

Available in two styles:

- Fan head (motor-blade-guard) ships in one UPS-able box
Optional mounts ship in separate UPS-able box
- Assembled head (motor/blade/guard) and mount in one UPS-able box



Mach 30[®] fan head shown with optional 2430PB pole and base.



Fan Performance

Blade Size	Fan Head	Max Amps	CFM	
			High	Low
24"	MACH24	2.6	7,100	6,000
30"	MACH30	2.8	8,900	6,900

Motor	2-speed 120volt 1/3 HP totally enclosed, permanently lubricated, permanent split capacitor, ball bearing motor
Switch	Pull chain
Cord	12' long 3 conductor SJT type
Blade	Coated steel
Guard	Double locking powder coat finish
Fan Head Tilt	Pedestal - 10° down or 28° up Wall mount - 40° down or 0° up
Column Adjustment	48-7/8 to 60 inches
Pedestal base	27" diameter steel dome
Column/Base Connect	5 carriage bolts

Meets OSHA standards.

MEP recommends the use of safety cable model 2430SC with this fan when mounted on a wall, I-beam, ceiling, or suspension mount. Safety cable included with I-beam, ceiling and suspension mounts.

Ordering Summary

BLADE SIZE	FAN TYPE	ORDER NUMBER		SHIPPING WEIGHT	
		FAN HEAD	MOUNT	HEAD	MOUNT
24"	Head	MACH24	—	51 lbs.	—
24"	Pedestal	MACH24	2430PB	51 lbs.	37 lbs.
24"	Wall Mount	MACH24	2430WG	51 lbs.	5 lbs.
24"	I-Beam Mount	MACH24	2430I	51 lbs.	7 lbs.
24"	Ceiling Mount	MACH24	2430C	51 lbs.	4 lbs.
24"	Suspension Mount	MACH24	2430S	51 lbs.	4 lbs.
30"	Head	MACH30	—	51 lbs.	—
30"	Pedestal	MACH30	2430PB	51 lbs.	37 lbs.
30"	Wall Mount	MACH30	2430WG	51 lbs.	5 lbs.
30"	I-Beam Mount	MACH30	2430I	51 lbs.	7 lbs.
30"	Ceiling Mount	MACH30	2430C	51 lbs.	4 lbs.
30"	Suspension Mount	MACH30	2430S	51 lbs.	4 lbs.

Optional Accessories

TYPE	ORDER NUMBER
Wheel Kit	PBWK
Safety Cable	2430SC

Assembled Head Uni-pack Ordering Summary

BLADE SIZE	FAN TYPE	UNIPACK ORDER#	SHIPPING WEIGHT
24"	Pedestal Fan	MACH24P	88 lbs.
24"	Wall Mount Fan	MACH24W	56 lbs.
30"	Pedestal Fan	MACH30P	88 lbs.
30"	Wall Mount	MACH30W	56 lbs.

INDUSTRIAL AIR CIRCULATOR



30ACH fan head shown with optional 2430PB pole and base.



Available in two styles:

- Assembled head (motor-blade-guard) in one UPS-able carton optional mount in separate UPS-able carton.
- Assembled head (motor/blade/guard) and mount in one UPS-able box.

Fan Performance

Blade Size	Fan Head	Max Amps	CFM	
			High	Low
20"	20ACHA	1.4	3500	2900
24"	24ACH	2.2	7,000	5,900
30"	30ACH	2.5	8,200	6,200

Motor 2-speed 1/4 HP 1Ø 120 volt ball bearing totally enclosed permanently lubricated permanent split capacitor

Switch Pull chain

Cord 12' long 3 conductor SJT type

Blade Coated steel

Guard Double locking powder coat finish

Fan Head Tilt Pedestal - 10° down or 28° up
Wall mount - 40° down or 0° up

Column Adjustment 48-7/8 to 60 inches

Pedestal base 27" diameter steel dome

Column/Base Connect 5 carriage bolts

Meets OSHA standards / 1 year limited warranty.
MEP recommends the use of safety cable model 2430SC with this fan when mounted on a wall, I-beam, ceiling, or suspension mount.
Safety cable included with I-beam, ceiling and suspension mounts.

Assembled Head Ordering Summary

BLADE SIZE	FAN TYPE	ORDER NUMBER	SHIPPING WEIGHT
		FAN HEAD	HEAD
20"	Head	20ACHA	51 lbs.
24"	Head	24ACH	51 lbs.
30"	Head	30ACH	51 lbs.

Mount Ordering Summary

ORDER NUMBER	DESCRIPTION	SHIP WT
2430PB	Adjustable Pedestal	35
2430WG	Wall Mount	5
2430I	I-Beam Mount	8
2430C	Ceiling Mount	7
2430S	Suspension Mount	3

Assembled Head Uni-pack Ordering Summary

BLADE SIZE	FAN TYPE	UNIPACK ORDER#	SHIPPING WEIGHT
24"	Pedestal Fan	24ACHP	73 lbs.
24"	Wall Mount Fan	24ACHW	42 lbs.
30"	Pedestal Fan	30ACHP	78 lbs.
30"	Wall Mount	30ACHW	47 lbs.

Optional Accessories

TYPE	ORDER NUMBER
Wheel Kit	PBWK
Safety Cable	2430SC

SPECIALTY WASH DOWN CIRCULATOR

This exclusive fan is ideally suited for comfort cooling in food and beverage processing facilities, greenhouses, poultry plants, amusement parks and other high humidity or washdown environments. Fan meets UL 507 spray test requirements.



Washdown Air Circulator

Fan motor and all mounts on this page: Pedestal, Ceiling, I-Beam, Wall, and Suspension, are coated with FDA approved white epoxy (FDA 21 CFR 175.300), USDA approved for incidental food contact.

Fan Performance

Blade Size	Fan Head	Max Amps	CFM	
			High	Low
24"	LCHWD24	4.0	6,800	5,200
30"	LCHWD30	4.1	8,600	6,200

Motor	2-speed, 1/3 HP, 48-frame, single phase, 120 volt totally enclosed, permanently lubricated ball bearings, built-in thermal overload protection, permanent split capacitor motor.
Switch	5' long air actuated pendant switch
Cord	5' long 3 Conductor SJT type
Blade	Balanced aluminum
Guard	Zinc plated

Meets OSHA standards.

MEP recommends the use of safety cable model 2430SC with this fan when mounted on a wall, I-beam, ceiling mount.

Safety cable included with I-beam, ceiling and suspension mounts.

Ordering Summary

BLADE SIZE	FAN TYPE	ORDER NUMBER		SHIPPING WEIGHT	
		FAN HEAD	MOUNT	HEAD	MOUNT
24"	Head	LCHWD24	—	42 lbs.	—
24"	Pedestal	LCHWD24	LFPCBWD	42 lbs.	35 lbs.
24"	Wall Mount	LCHWD24	LWBWD	42 lbs.	5 lbs.
24"	I-Beam Mount	LCHWD24	LIBWD	42 lbs.	8 lbs.
24"	Ceiling Mount	LCHWD24	LCMWD	42 lbs.	8 lbs.
30"	Head	LCHWD30	—	49 lbs.	—
30"	Pedestal	LCHWD30	LFPCBWD	49 lbs.	35 lbs.
30"	Wall Mount	LCHWD30	LWBWD	49 lbs.	5 lbs.
30"	I-Beam Mount	LCHWD30	LIBWD	49 lbs.	8 lbs.
30"	Ceiling Mount	LCHWD30	LCMWD	49 lbs.	8 lbs.

Note: LCHWD30 Fan head does not meet UPS shipping criteria.

SPECIALTY 277 VOLT AIR CIRCULATOR



LEADING EDGE
A Marley Engineered Products Brand

LCHHD30-7
shown with
optional 2430I
I-beam mount.



- Engineered for quick and economical wiring installation in any facility with 480 volt, 3 phase, 4 wire WYE connected electrical service.
- For factory wall, ceiling or I-beam applications.
- Save on wiring and installation costs. Uses existing 277 volt single phase lighting circuitry. Operates on low amp draw.

Fan Performance

Blade Size	Fan Head	Max Amps	CFM	
			High	Low
24"	LCHHD247	1.4	6,000	4,500
30"	LCHHD307	1.4	7,000	5,000

Motor	2-speed 277 volt single phase 1/4 HP ball bearing permanently lubricated capacitor start
Switch	pull chain
Cord	3 conductor SJT type
Blade	Coated steel
Guard	double locking chrome plated
Column Adjustment	48-7/8 to 60 inches
Pedestal base	27" diameter steel dome
Column/Base Connect	5 carriage bolts

1 year limited warranty / Meets OSHA standards
MEP recommends the use of safety cable model 2430SC with this fan when mounted on a wall, I-beam, ceiling mount.
Safety cable included with I-beam, ceiling and suspension mounts.

Ordering Summary

BLADE SIZE	FAN TYPE	ORDER NUMBER		SHIPPING WEIGHT	
		FAN HEAD	MOUNT	HEAD	MOUNT
24"	Head	LCHHD247	—	42 lbs.	—
24"	Pedestal	LCHHD247	2430PB	42 lbs.	37 lbs.
24"	Wall Mount	LCHHD247	2430WG	42 lbs.	5 lbs.
24"	I-Beam Mount	LCHHD247	2430I	42 lbs.	7 lbs.
24"	Ceiling Mount	LCHHD247	2430C	42 lbs.	4 lbs.
30"	Head	LCHHD307	—	49 lbs.	—
30"	Pedestal	LCHHD307	2430PB	49 lbs.	37 lbs.
30"	Wall Mount	LCHHD307	2430WG	49 lbs.	5 lbs.
30"	I-Beam Mount	LCHHD307	2430I	49 lbs.	7 lbs.
30"	Ceiling Mount	LCHHD307	2430C	49 lbs.	4 lbs.

HEAVY DUTY OSCILLATING AIR CIRCULATOR

ONE OF AMERICA'S MOST POPULAR OSCILLATING MECHANISMS †

Thousands in use as a general circulation fan. This fan is ideal for providing general cooling in occupied open areas, such as staging areas, courtrooms, classrooms, and auditoriums.



LCHHD300 shown with optional LAPC26B pole and base.



Fan Performance

Blade Size	Fan Head	Max Amps	CFM	
			High	Low
24"	LCHHD24O	3.1	6,000	4,500
30"	LCHHD30O	3.3	7,600	5,000

Motor	1/4 HP, 2-speed, 120 volt, totally enclosed, thermally protected, PSC motor with permanently lubricated ball bearings.
Switch	Heavy duty pull chain
Cord	12' long 3 conductor SJT type
Blade	Coated steel
Guard	Powder coat finish
Fan Head Tilt	Pedestal - 10° up or down Wall Mount - 10° up or down
Column Adjustment	48-7/8 to 60 inches
Pedestal base	27" diameter steel dome
Column/Base Connect	5 carriage bolts

Meets OSHA standards.

MEP recommends the use of safety cable model 2430SC with this fan when mounted on a wall, I-beam, ceiling mount.

Safety cable included with I-beam, ceiling and suspension mounts.



Features a durable American-Made safety clutch style oscillating mechanism. The fan may be set to operate at 90° or in a fixed position. The air circulator is available as a 24" or 30" Pedestal or Wall mounted fan. **NOTE:** Oscillating fan not to be used in upside down positions.

Ordering Summary

BLADE SIZE	FAN TYPE	ORDER NUMBER		SHIPPING WEIGHT	
		FAN HEAD	MOUNT	HEAD	MOUNT
24"	Head	LCHHD24O	—	41 lbs.	—
24"	Pedestal	LCHHD24O	2430PB	41 lbs.	35 lbs.
24"	Wall Mount	LCHHD24O	2430WG	41 lbs.	5 lbs.
30"	Head	LCHHD30O	—	48 lbs.	—
30"	Pedestal	LCHHD30O	2430PB	48 lbs.	35 lbs.
30"	Wall Mount	LCHHD30O	2430WG	48 lbs.	5 lbs.

NOTE: Air Circulator heads are factory assembled (motor, blade, and guard) and ship in one carton. Fan mounts ship in separate carton.

Optional Accessories

TYPE	ORDER NUMBER
Wheel Kit	PBWK
Safety Cable	2430SC

† Based on sales over the past 25 years

NOTE: LCHHD300 does not meet UPS shipping criteria

INDUSTRIAL OSCILLATING AIR CIRCULATOR



30ACHO shown with optional 2430PB pole and base.



- Oscillates in 90° arc or can be locked in fixed position
- Available in two styles:
 - Assembled head (motor-blade-guard) in one UPS-able carton optional mount in separate UPS-able carton.
 - Unassembled uni-pack all components (motor, blade, guards and mount) in one UPS-able carton.
- Not to be used with: I-Beam Mount (2430I), Ceiling Mount (2430C), Suspension Mount (2430S)

Fan Performance

Blade Size	Fan Head	Max Amps	CFM	
			High	Low
24"	24ACHO	2.2	7,000	5,900
30"	30ACHO	2.5	8,200	6,200

Motor 2-speed 1/4 HP 1Ø 115 volt ball bearing totally enclosed permanently lubricated permanent split capacitor

Switch Pull chain

Cord 12' long 3 conductor SJT type

Blade 30" unit - 3 Blade - Coated Steel
24" unit - 3 Blade - Coated Steel

Guard Double locking powder coat finish

Fan Head Tilt pedestal - 10° down or up
wall mount - 10° down or up

Column Adjustment 48-7/8 to 60 inches

Pedestal base 27" diameter steel dome

Column/Base Connect 5 carriage bolts

Meets OSHA standards / 1 year limited warranty

MEP recommends the use of safety cable model 2430SC with this fan when mounted on a wall mount bracket.

Ordering Summary

BLADE SIZE	FAN TYPE	ORDER NUMBER		SHIPPING WEIGHT	
		FAN HEAD	MOUNT	HEAD	MOUNT
24"	Head	24ACHO	—	40 lbs.	—
24"	Pedestal	24ACHO	2430PB	40 lbs.	35 lbs.
24"	Wall Mount	24ACHO	2430WG	40 lbs.	5 lbs.
30"	Head	30ACHO	—	47 lbs.	—
30"	Pedestal	30ACHO	2430PB	47 lbs.	35 lbs.
30"	Wall Mount	30ACHO	2430WG	47 lbs.	5 lbs.

Unassembled Uni-pack Ordering Summary

BLADE SIZE	FAN TYPE	UNIPACK ORDER#	SHIPPING WEIGHT
24"	Pedestal Fan	24ACPOU	73 lbs.
24"	Wall Mount Fan	24ACWOU	42 lbs.
30"	Pedestal Fan	30ACPOU	78 lbs.
30"	Wall Mount	30ACWOU	47 lbs.

Optional Accessories

TYPE	ORDER NUMBER
Wheel Kit	PBWK
Safety Cable	2430SC

MOUNTS

ORDER NUMBER	DESCRIPTION	SHIP WT
2430PB	Adjustable Pedestal	35
2430WG	Wall Mount	5
2430I	I-Beam Mount	8
2430C	Ceiling Mount	7
2430S	Suspension Mount	3
2430SC	Secondary Support Cable	2
PBWK	Optional Wheel Kit	3
Washdown		
LFPCBWD	Pedestal	35
LWBWD	Wall Mount	5
LIBWD	I-Beam Mount	8
LCMWD	Ceiling Mount	7
Yellow Safety Mounts		
2430PBY	Pedestal	37
2430WY	Wall Mount	5
2430IY	I-Beam	7
2430CY	Ceiling Mount	4

PEDESTAL MOUNT



• Safety cable included in wall, i-beam, and ceiling mount

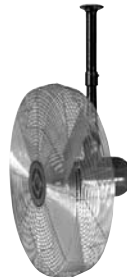
WALL MOUNT



I-BEAM MOUNT



CEILING MOUNT



SUSPENSION MOUNT



Circulator Replacement Parts:

ORDER NUMBER	DESCRIPTION
MODEL LCHXN24 & LCHHD240	
LPM2050U	Motor (LCHXN24)
3900-2057-000	Motor (LCHHD240)
LCCLIN2422BL	Fan Blade (LCHXN24)
12102014000	Fan Blade (LCHHD240)
LIN24GF	Guard Front
LIN24GR	Guard Rear
MODEL 24ACH & 24ACHO	
1010MPI	Motor (24ACH)
1010MPO	Motor (24ACHO)
12102014000	Fan Blade
24GB	Fan Blade & Guards (2)
MODEL MACH 30	
517-076	Motor
12102026000	Fan Blade
30GB	Fan Blade & Guards (2)
MODEL MACH 24	
517-076	Motor
12102014000	Fan Blade
30GB	Fan Blade & Guards (2)
MODEL 20ACHA	
1010MPI	Motor
12102036000	Fan Blade
25042041003	Guard Front
25042042003	Guard Rear

ORDER NUMBER	DESCRIPTION
MODEL LCHXN30 & LCHHD300	
LPM2050U	Motor (LCHXN30)
3900-2057-000	Motor (LCHHD300)
LCCLIN3016BL	Fan Blade (LCHXN30)
12102026000	Fan Blade (LCHHD300)
LIN30GF	Guard Front
LIN30GR	Guard Rear
MODEL 30ACH & 30ACHO	
1010MPI	Motor (30ACH)
1010MPO	Motor (30ACHO)
30GB	Fan Blade & Guards (2) -30ACH
30GBO	Fan Blade & Guards (2) -30ACHO
12102026000	Fan Blade
MODEL AF30H	
1010MPDCS	Motor
12102026000	Fan Blade
AF30GB	Fan Blade & Guards (2)
MODEL 36HDHA	
39002061000	Motor
12102037000	Fan Blade
25042041003	Guard Front
25042042003	Guard Rear

INDUSTRIAL FLOOR CIRCULATORS



Motor	3-speed, 1Ø, 115 volt sleeve bearing open drip proof permanently lubricated.
Switch	Rotary
Cord	10' long 3-conductor SJT Type
Blade	Painted steel
Guard	Double locking, chrome plated*
Fan Head Tilt	360°

Meets OSHA standards / 1 year limited warranty
 * IR18 provided in black finish only.

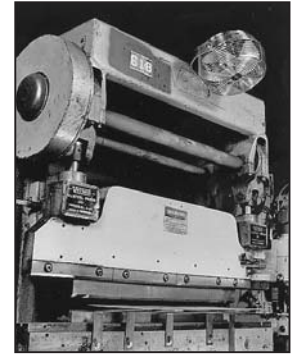
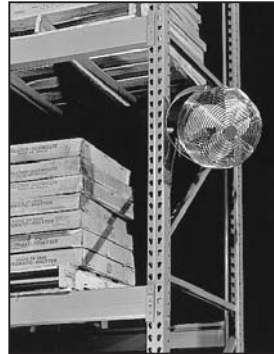
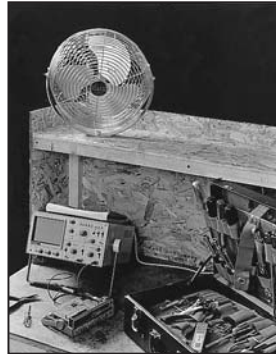
Ordering Summary

BLADE SIZE	ORDER NUMBER	CFM			HP	AMPS (HIGH)	SHIPPING WEIGHT
		HIGH	MED	LOW			
12"	I12	2650	2100	1550	1/15	1.2	8 lbs.
18"	I18	5500	4600	3400	1/8	2.6	16 lbs.
18"	IR18#	5500	4600	3400	1/8	2.6	24 lbs.
18"	*I18TE	5500	4600	3400	1/8	2.6	16 lbs.
20"	I20	5950	4650	3500	1/8	2.6	20 lbs.

*I-18TE has a 115V 1Ø totally enclosed motor for dirty environments. 10' Long 3 conductor SJT Type cord. 360° fan head tilt meets OSHA/UL/cUL. 1 year limited warranty. # Some assembly required.

UTILITY CIRCULATORS

Bolt to . . .
Work Benches, Steel Shelving, Machines, Ceilings, I-Beams, Walls Or Any Surface



- Mounts with one bolt or lag screw
- Fan head rotates 360° in both the horizontal and vertical direction to deliver air flow to any spot in room.
- Optional wall mounting bracket.

Motor	12" & 14" -1/15 HP S-Pole 18" & 20" -1/8 HP PSC 3-speed 1Ø 115 volt sleeve bearing open drip proof permanently lubricated
Switch	pull chain
Cord	10' long 3 conductor SJT type
Blade	Coated steel
Guard	double locking chrome plated

Meets OSHA standards / UL Listed / 1 year limited warranty

Ordering Summary

BLADE SIZE	ORDER NUMBER	TYPE	CFM			AMPS (HIGH)	SHIPPING WEIGHT
			HIGH	MED	LOW		
12"	B12P	Bolt on circulator	2650	2100	1550	1.2	11 lbs.
14"	B14	Bolt on circulator	3200	2900	1600	1.3	13 lbs.
18"	B18	Bolt on circulator	5500	4600	3400	2.6	19 lbs.
18"	B18TE	Bolt on circulator	5500	4600	3400	2.6	19 lbs.
20"	B20P	Bolt on circulator	5950	4650	3500	2.6	20 lbs.

*B-18TE has 115V 1Ø totally enclosed motor for dirty environments.

Optional Accessory

TYPE	ORDER NUMBER	SHIPPING WEIGHT
Wall mounting bracket	CDMW	1 lb.

COMMERCIAL BELT DRIVE DRUM BLOWERS



- Permanently lubricated ODP Motor
- Durable 20 gauge steel housing
- Painted steel guards
- 8" semi-pneumatic wheels
- 23" wheel base
- Double handle design for easy transporting
- 10' Grounded three conductor cord



Meets OSHA standards

The MVB series Belt Drive fans share many of the same high quality design features as the IHD series, but are intended for medium duty commercial use. The belt drive design provides a high volume airflow drum fan without excessive noise. The durable 20 gauge steel housing, painted steel guards, and rubber wheels keep the fan light and portable.

Ordering Summary

BLADE SIZE	ORDER NUMBER	FAN TYPE	HP	CFM	AMPS	SHIPPING WEIGHT
36"	MVB36B	Standard	1/2	12,900	3.75	65 lbs.
42"	MVB42B	Standard	1/2	16,500	6.0	85 lbs.

INDUSTRIAL BELT DRIVE PORTABLE BLOWERS



Standard

- High Quality ODP Motor
- Rugged 20 gauge steel housing
- Heavy duty steel guards
- Large rubber wheels
- Stable 24" wheel base
- Balanced fan blade
- 10' Grounded three conductor cord



Meets OSHA standards

The IHD series drum fans were specifically designed for industrial applications where quality, performance, and durability are required. The high performance motor, belt drive system, and specialized fan blade design combine to maximize airflow and velocity while reducing fan noise. Quality features include a 20 gauge steel housing, heavy duty painted wire guards, sturdy fan and motor supports, large rubber wheels with integrated bearings and a wide stable base.

The easy to roll tilt cart is powder-paint coated for durability and made of 1" diameter heavy gauge steel tubing reinforced with welded cross braces creating a stable platform. This allows the fan to be tilted at any angle to direct the airflow where needed without tipping over.

Ordering Summary

BLADE SIZE	ORDER NUMBER	FAN TYPE	HP	CFM	AMPS	SHIPPING WEIGHT
36"	IHD36B	Standard	1/2	14,800	8.0	111 lbs.
36"	IHD36BC	Tilt Cart	1/2	14,800	8.0	140 lbs.
42"	IHD42B	Standard	3/4	18,000	10.8	132 lbs.
42"	IHD42BC	Tilt Cart	3/4	18,000	10.8	155 lbs.
48"	IHD48B	Standard	1	23,000	15.0	153 lbs.
48"	IHD48BC	Tilt Cart	1	23,000	15.0	175 lbs.



Tilt Cart

DIRECT DRIVE PORTABLE BLOWERS



Standard

- Two speed totally enclosed motor
- Durable 20 gauge steel housing
- Painted steel guards
- 8" semi-pneumatic wheels
- 23" wheel base
- Double handle design
- 10' Grounded three conductor cord



Meets OSHA standards

The MVB series Direct Drive fans are intended for light duty commercial use where an economical solution is needed. Applications where sound levels are less of a priority like garages and agricultural facilities are well suited for direct drive fans.

The easy to roll tilt cart is powder-paint coated for durability and made of 1" diameter heavy gauge steel tubing reinforced with welded cross braces creating a stable platform. This allows the fan to be tilted at any angle to direct the airflow where needed without tipping over.

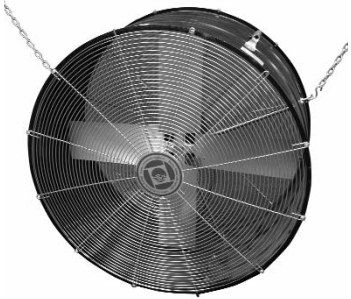
Ordering Summary

BLADE SIZE	ORDER NUMBER	FAN TYPE	HP	CFM		AMPS	SHIPPING WEIGHT
				HIGH	LOW		
30"	MVB30D	Standard	1/4	7400	5800	2.75	55 lbs.
30"	MVB30DC	Tilt Cart	1/4	7400	5800	2.75	70 lbs.
36"	MVB36D	Standard	1/3	9200	7200	3.75	66 lbs.
36"	MVB36DC	Tilt Cart	1/3	9200	7200	3.75	105 lbs.
42"	MVB42DB	Standard	1/2	16,500	N/A	6.0	90 lbs.
48"	MVB48DB	Standard	1/2	17,300	N/A	6.6	150 lbs.



Tilt Cart

DIRECT DRIVE SUSPENSION BLOWERS



- Two speed totally enclosed motor
- Durable 24 gauge steel housing
- Painted steel guards
- 10' Grounded three conductor cord

The MVB series Direct Drive suspension fans are intended for light duty commercial use where an economical solution is needed. Applications where sound levels are less of a priority like garages and agricultural facilities are well suited for direct drive fans.

Comes with hanging hardware and safety cable. Chain or cable used to suspend unit from ceiling not supplied.



Meets OSHA standards

Ordering Summary

BLADE SIZE	ORDER NUMBER	FAN TYPE	HP	CFM		AMPS	SHIPPING WEIGHT
				HIGH	LOW		
30"	MVB30DS	Suspension	1/4	7400	5800	2.75	50 lbs.
36"	MVB36DS	Suspension	1/3	9200	7200	3.75	65 lbs.
42"	MVB42DS	Suspension	1/2	16,500	N/A	6.0	85 lbs.

COMMERCIAL CEILING FAN



- 18 Pole 115v; motor
- Permanently sealed double ball bearing motor
- 3/8" X 7-1/4" locking J-hook for installation
- White epoxy finish
- Steel blades
- Secondary support cable supplied

BLADE SIZE	MODEL	VOLTS	AMPS	CFM/RPM	SHIP WT.	COLOR
56"	CPF56	120	0.85	24,000/300	24 lbs.	White
56"	56HRCF	120	0.7	19800/280	20 lbs	White

AIR HOG® UTILITY BLOWER



WM8120

- 8" dia. fan
- 1225 CFM of Air Movement
- Industrial Grade Grounded Cord
- Easy to Carry Handle
- Cord Storage Wrap
- On/Off Control Switch

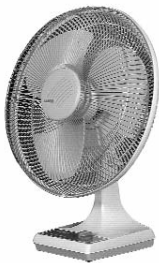
WM12120

- 12" dia. fan
- 2450 CFM of Air Movement
- Industrial Grade Grounded Cord
- Easy to Carry Handle
- Cord Storage Wrap
- On/Off Control Switch



MODEL NUMBER	CFM	AMPS	SHIPPING WEIGHT
WM8120	1225	1.6	20 lbs.
WM12120	2450	5.6	31 lbs.

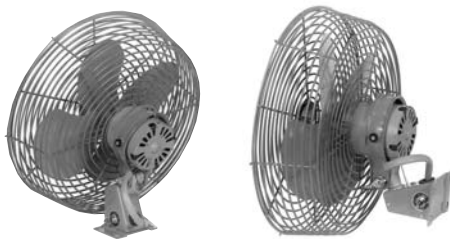
OSCILLATING WALL/DESK FANS



- 12" and 16" Units
- Power head adjusts vertically for use on walls with 2 keyhole slots in base plate
- 90° continuous oscillation, or can be locked in place for non-oscillation
- 3-Wire, 6 1/2' grounded cord
- UL listed
- Meets Federal OSHA requirements
- 1 Year Limited Warranty
- Comes complete with metal hanging plate

BLADE SIZE	ORDER NUMBER	CFM			AMPS (HIGH)	SHIPPING WEIGHT
		HIGH	MED	LOW		
12"	WDF12	2100	1550	1350	0.4	10 lbs.
16"	WDF16	3200	2850	2300	.5	13 lbs.

WALL / BENCH MOUNT CIRCULATORS



- 12" wall or bench mount circulator
- Constructed to U.S. Navy specification Mil-F-68F
- 2 speed, 115V, 1Ø, drip proof motor, 1/15 Hp
- All metal construction
- Wires directly to electrical line
- Fan head adjusts 90° horizontally and vertically
- Fan with Mil-Spec packaging available, consult factory for pricing and availability.

BLADE SIZE	ORDER NUMBER	CFM		SHIPPING WEIGHT
		HIGH	LOW	
12"	N12	2200	1500	9 lbs.

PORTABLE BLOWERS

Power Cat®



A300

1200XL

- The Power Cat® is a unique portable blower that can be used for ventilating and cooling the work space
- Blower rotates 90°
- Duct accessories available
- Can mount to wall or free standing
- 25' grounded Heavy Duty cord
- Duplex receptacle on front



POWER CAT® A300 Ordering Summary

ORDER NUMBER	MOTOR	BLOWER CFM	LAMP	SHIP WT.
A 300	120 Volts/60Hz	300	40 watts	12 lbs.

SUPER CAT® 1200XL Ordering Summary

ORDER NUMBER	MOTOR	BLOWER CFM	LAMP	SHIP WT.
1200XL	120 Volts/60Hz	1120/877	N/A	44 lbs.

Optional Accessories

ORDER NUMBER	DESCRIPTION	SHIP WT.
300IA	Intake Accessory	7lbs.
300FE	Fume Exhaust Nozzle	3lbs.
300EXT	Extension Accessory	6lbs.
300DA	Duct Accessory - 10' x 5"	5 lbs.
1200EA	Exhaust Adapter	3.5 lbs.
1200IA	Intake Adapter	1.5 lbs.
1200FD	Flexible Duct	11lbs.
1200DC	Duct Coupling	1.5 lbs.
1200FE	Welding Fume Exhaust Nozzle	5 lb



300DA



- 10' X 5" flexible duct with exhaust adapter easily clamps to exhaust grille

300EXT



- 10' X 6" flexible duct with connecting sleeve and clamp. Use to extend 300IA in 10' increments

300IA



- 10' X 6" flexible duct with quick-mount fittings at both ends

300FE



- Welding exhaust nozzle
- Clamps to 300IA to direct intake of welding fumes

1200EA



- Exhaust adapter easily attaches 1200FD to unit

1200IA



- Quick-mount fitting to attach duct to unit

1200FD



- 10' X 8" flexible duct to be used with either 1200EA or 1200IA
- Pictured with 1200EA

1200DC



- Clamp-on connector for additional 1200FD duct

1200FE

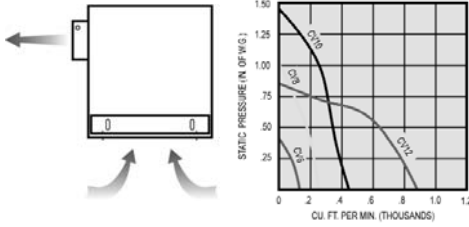


- Clamps to 1200FD for efficient extraction of welding fumes

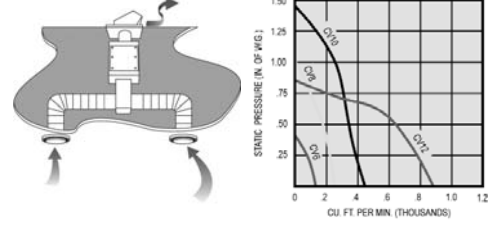
COMMERCIAL VENTILATORS



DIRECT DISCHARGE APPLICATIONS



IN-LINE APPLICATIONS



SUPER Q™ VENTILATORS

CV6, CV8, CV81, CV10, CV101, CV12

SUPER PERFORMANCE RANGE

- Six models to cover ventilation requirements from the smallest baths to the largest conference rooms
- Range from 101 CFM to 855 CFM (.125" S.P.) • Range from 123 CFM to 910 CFM (0.0" S.P.)

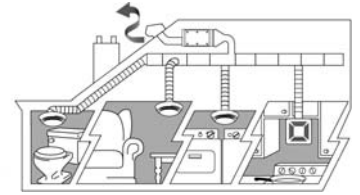
SUPER QUIET VENTILATION

- Large centrifugal blowers rotate slowly to generate airflow with exceptional quietness. The Super-Q ventilators operate at 1550 RPM or less. Other fans run at speeds up to 3600 RPM.

- Motors float in resilient rubber mountings, eliminating vibration • Shatter proof integral backdraft damper

SUPER HEAVY-DUTY CONSTRUCTION

- Heavy gauge steel housing with sound absorbing, 1/2" acoustic insulation lining the housing
- Permanently lubricated motor designed for continuous operation
- Factory-balanced blower wheels and motors; all components tested prior to shipment



SUPER FLEXIBILITY

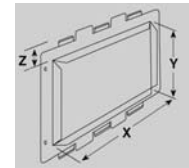
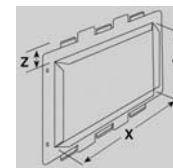
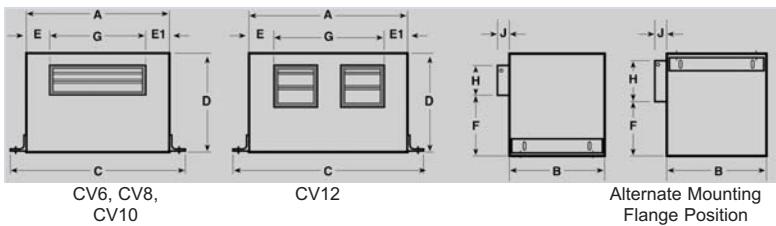
- All models can be mounted for direct discharge or converted for in-line discharge
- Models CV6, CV8, and CV10 have two-speed motors to cover additional ventilation requirements

SUPER Q™ FAN PERFORMANCE

CATALOG NUMBER	MOTOR ¹ RPM	MOTOR VOLTAGE 60 Hz A.C.	MAX. WATTS INPUT	WEIGHT (Lbs.)	STATIC PRESSURE	FAN CAPACITY - CUBIC FEET PER MINUTE ³						
						0"	.125"	.250"	.375"	.500"	.625"	.750"
CV6 Low Speed	1050	115/1	47	14	SONES ²	123	101	82	-	-	-	-
					CFM ⁴	0.9	1.4	1.8	-	-	-	-
CV6 High Speed	1550	115/1	108	14	SONES ²	230	196	166	122	-	-	-
					CFM ⁴	3.3	3.0	3.0	3.1	-	-	-
CV8 Low Speed	1050	115/1	77	20	SONES ²	272	247	231	217	199	-	-
					CFM ⁴	2.1	2.4	2.9	3.3	3.6	-	-
CV8 High Speed	1550	115/1	130	20	SONES ²	426	401	377	357	341	328	304
					CFM ⁴	4.5	4.7	4.7	5.1	5.6	5.8	5.8
CV10 Low Speed	1050	115/1	243	30	SONES ²	469	441	423	403	387	367	347
					CFM ⁴	4.5	4.8	5.1	5.4	5.6	5.8	6.0
CV10 High Speed	1550	115/1	390	30	SONES ²	728	694	664	638	613	591	565
					CFM ⁴	8.6	8.6	8.6	8.7	8.6	8.8	8.8
CV12	1050	115/1	260	44	SONES ²	901	855	812	755	683	552	-
					CFM ⁴	5.8	5.9	6.3	6.5	6.5	6.0	-

(1) RPM shown is nominal and the performance is based on actual speed of test
 (2) Sones ratings in accordance with AMCA Standard 301-90

(3) The AMCA Certified Ratings Seal applies to air capacities only
 (4) Performances shown include values with inlet grill, backdraft damper and outlet duct in place



FAN DIMENSIONS

CATALOG NUMBER	HOUSING							OUTLET			GRILL		TDA PANEL		
	A	B	C	D	E	E1	F	G	H	J	K	L	X	Y	Z
CV6	12.25	9.125	16	9.125	1.25	1.25	5.375	10	3.25	0.75	11	13.75	10	6	1.625
CV8	13.875	11.375	17.375	11.375	1.87	4	5.25	8	6	0.75	13.25	14.875	10	8	1.563
CV10	18	14.125	21.5	14.125	3.625	6.375	8	8	6	0.75	15.5	19.375	14	10	2
CV12	24	14.125	27.5	14.125	1	1	8	22	6	0.75	15.5	25	20	10	2

Units are shipped with motor connected for "S" (low speed) operation.

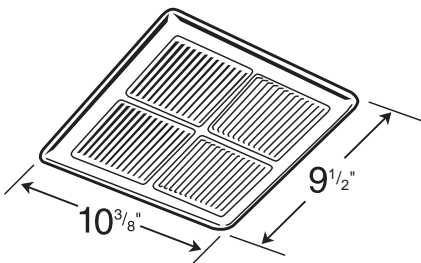
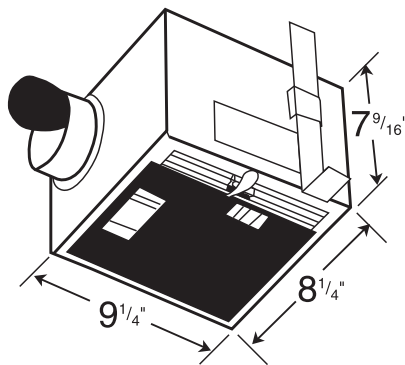
Ventilators with Built-in Radiation Fire Dampers MODELS 650FRD, 680FRD, 610FRD

APPLICATION

Marley ventilators, with built-In Fire Radiation Damper, offers the ultimate combination of quiet high performance ventilation and the best protection against flame penetration and radiant heat. Marley Engineered Products fans are intended for use in bathrooms, but can be used in other areas where ventilation is required.

FEATURES

- Rugged, 22-gage plated steel housing with pre mounted round steel duct fitting with built-in back-draft damper.
- Plug-In totally enclosed permanently lubricated motor.
- Spring-Mounted white painted low profile steel grille.
- Mounting brackets included for installation between ceiling joists or in drop ceilings.
- UL / cUL listed and HVI certified.



DAMPER CONSTRUCTION

- 22-gage galvanized steel frame.
- Pre-mounted duct adapter w/ damper.
- Stainless steel closure springs.
- High heat, non-asbestos ceramic blanket.
- Replaceable 165 deg F fusible link. (Others available)
- ULC and UL listed ceiling firestop damper.
- Designed and tested in accordance with ULC Guide No. 40U18.1.1-1/2.
- Up to 3 hours fire resistance rating.



MODEL	DUCT SIZE	ROUGH-IN OPENING	HVI CERTIFIED RATINGS				
			AMPS	CFM	SONES	SQ. FT	
						BATH	OTHER
650FRD	3"	8-1/4" X 9-1/4"	.76	50	2.5	45	65
680FRD	4"	8-1/4" X 9-1/4"	.35	80	2.5	75	95
610FRD	4"	8-1/4" X 9-1/4"	.60	100	3.0	95	125

Application

Marley Industrial Products remote mounted In-Line ventilation fans are both quiet and high performance. In-line fans generate two to three times the pressure of conventional fans and provide the airflow needed to overcome system resistance caused by long duct runs and multiple in-take vents.

Dryer Boost Kit Model IF110DK:

A clothes drying system with long duct runs or multiple bends will result in longer drying time and excess wear on the dryer. Adding an auxiliary fan with a automatic pressure switch to the dryer duct system will increase airflow resulting in reduced drying time and energy consumption. Automatic pressure switch included in kit.

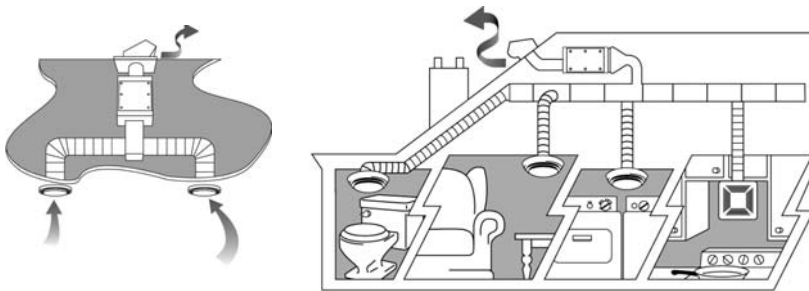
Radon Mitigation Kit Model IF175RK:

Specifically designed for Radon Mitigation and extremely effective for sub-slab systems, Model IF175RK is ultra quiet and is suitable for wet environments. Kit includes all hardware needed to easily connect fan to 4" PVC pipe. Kit includes: RV175 fan (qty 1), 4" x 6" Flexible Coupling (qty 2), Manometer (qty 1), System Label (qty 1) and Component Label (qty 2) and instructions.

Warning: Kit should only be installed by qualified Radon Mitigators.

FEATURES

- Ultra quiet remote mounted.
- Energy-efficient permanently lubricated motor.
- Backward curved centrifugal fan.
- Rated for continuous or intermittent operation.
- Rated for commercial and residential applications.
- HVI 2100 certified and cETLus Listed.
- Accessories available separately.



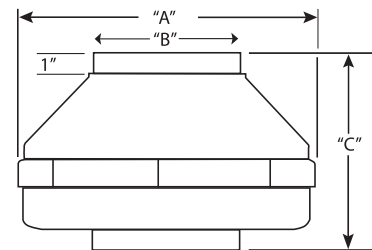
IF110
IF275
IF400
IF500



IF110DK



IF175RK



MODEL	DUCT SIZE	120VAC, 60HZ (2.0 AMP MAX.)	HVI CERTIFIED RATINGS @ 0.2 E.S.P.						
			"A" DIM	"B" DIM	"C" DIM	WEIGHT LBS	SQ. FT CFM	BATH	OTHER
IF110	4"	14-19 watts	9.7"	3.9"	8.5"	5.0	100	95	125
IF275	6"	52-73 watts	11.8"	5.9"	8.6"	5.5	230	210	290
IF400	8"	103-156 watts	13.4"	7.9"	9.0"	9.0	470	430	590
IF500	10"	103-156 watts	13.4"	9.9"	9.0"	9.0	460	420	575
IF110DK	4"	14-19 watts	9.7"	3.9"	8.5"	5.2	100	95	125
IF175RK	6"	49-65 watts	8.5"	5.9"	9.5"	10.0	170	155	215

AD627A



- Two-toggle bath fan control
- White
- Wall plate not included

AD628A



- Three-toggle bath fan control
- White
- Wall plate not included

AD1103



- Wall cap kit
- Includes wall cap, 3" and 4" duct connector, 4" x 5" flexible vinyl duct and plastic clamps

IFY6 & 8



- Metal Y connectors for inline fans
- Fits 6" (IFY6) and 8" (IFY8) round ducts

1010A & 1011A



- Model 1010A is a five-minute timer
- Model 1011A is a one-hour timer
- Use with all bath fans and whole house fans

AD1114 & AD1116



- Diffusers for 4" (AD1114) 6" (AD1116) and 8" (AD1118) round ducts
- Ideal for central ventilation, cooling, and heating; fully adjustable
- Anti-static additives keep the diffuser dust free

AD1102



- Roof cap kit
- Includes roof cap, 3" and 4" duct connector, 4" x 8" flexible vinyl duct and plastic clamps

AD1105



- Roof cap for 3" or 4" duct

AD1106



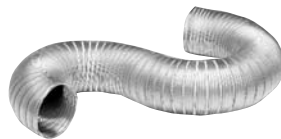
- Roof cap for up to 7" duct

AD1107



- Flexible 7" x 8' aluminum duct

AD1109



- 4" x 8' flexible aluminum duct

IFD4,6,8 & 10



- Backdraft dampers for inline fans
- Fits 4" (IFD4), 6" (IFD6), 8" (IFD8) and 10" (IFD10) round ducts

1117A



- Wall cap for 3" or 4" round duct

1125



- Wall cap for 3-1/4" x 10" duct

1222



- Dehumidistat control

1230



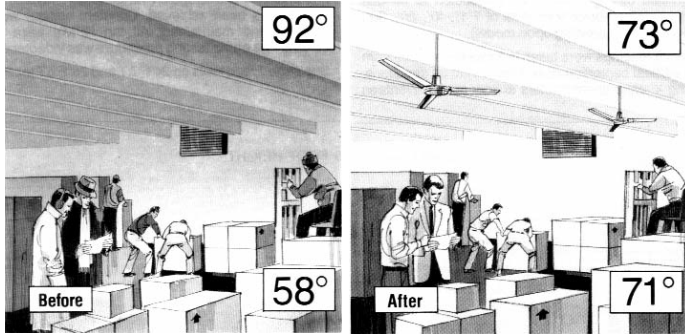
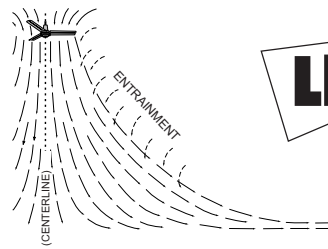
- Line voltage cooling thermostat
- Range 60°-120°F

1245



- Thermal safety cutout
- Opens at 165°F

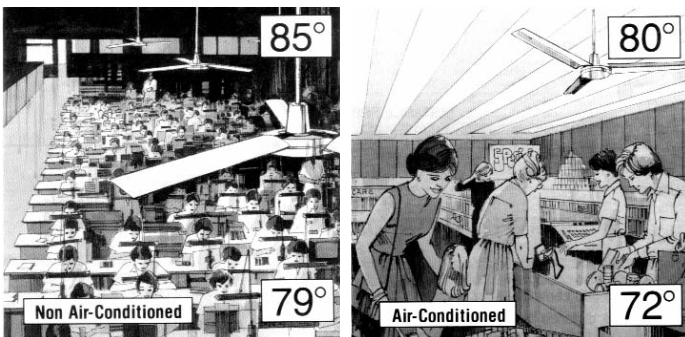
DUAL PURPOSE ENERGY CONSERVATION SYSTEM



THE HEAT-DROPPER®

CONCEPT AND HOW IT WORKS

WINTER-Recovers wasted heat by eliminating heat stratification. Trapped warm air at the ceiling caused by natural heat rise and poor air circulation is equalized by the movement of the massive blade span. Thus ceiling to floor temperature is equalized. With a heat cost savings of 30k percent, the LEADING EDGE fan system can pay for itself in one year. The elimination of cold spots increases employee productivity and comfort.

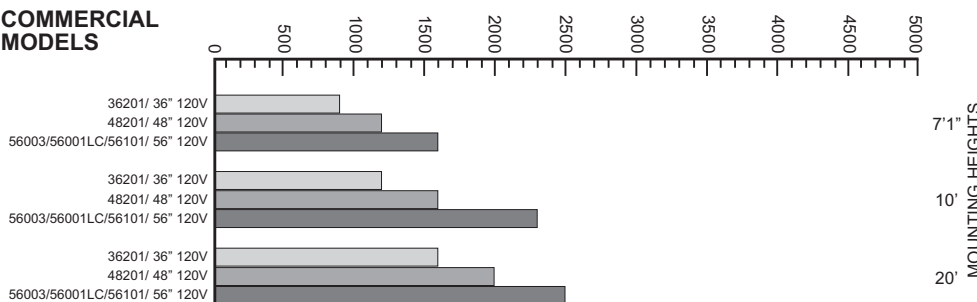


SUMMER-General air recirculation in non air-conditioned buildings creates a cooling breeze and a "Wind Chill Factor" providing evaporation cooling of the skin surface dropping skin temperature by 6 degrees. The LEADING EDGE fan system supplements air-conditioned buildings by allowing the thermostat settings to be 8 degrees higher. You'll feel the coolness of 72 degrees with the thermostat set on 80 degrees - an incomparable energy savings. Additional advantages, eliminates mold and mildew caused by stagnant air, perfect for high humidity areas. No other fan has our higher air velocity capabilities. Small fans do not develop sufficient CFM to be effective in warm weather.

Only Leading Edge provides university documented performance data. Compare this exclusive data to any other fan available.

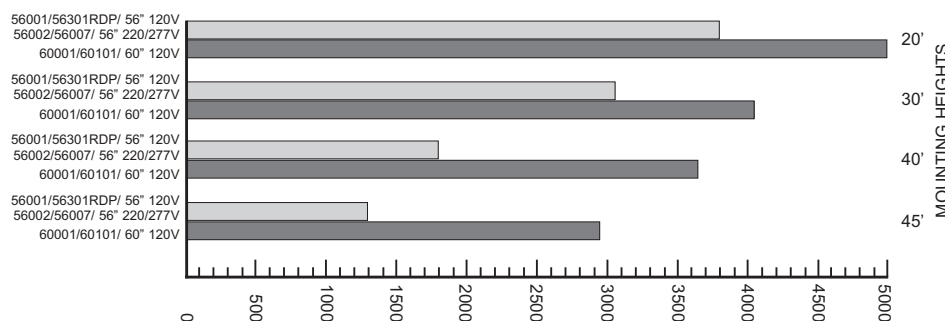
AREA COVERAGE SUMMARY BY FAN BY HEIGHT

COMMERCIAL MODELS



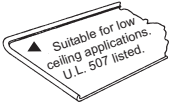
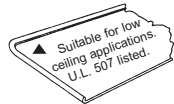
INDUSTRIAL & SPECIAL APPLICATION MODELS

TOTAL SQUARE FOOT AREA COVERAGE



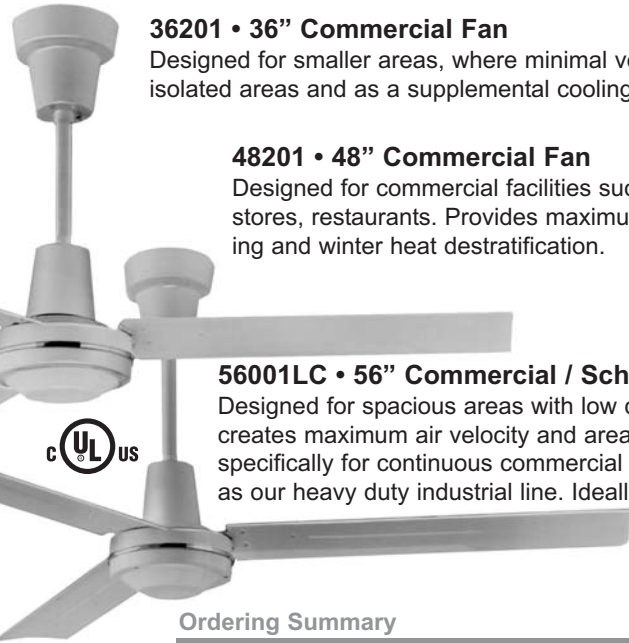
HEAVY DUTY COMMERCIAL CEILING FANS

Provides Superior Air Velocity and Efficiency, The Ideal School Classroom Fans (Models 48" and 56").



UL 507 states Ceiling Fans suspended from 7 feet to less than 10 feet (blade height to floor) must have minimum thickness of edge of blade 3/16"

U.S. PATENT# 5,645,403



36201 • 36" Commercial Fan

Designed for smaller areas, where minimal ventilation is required. Ideally suited for isolated areas and as a supplemental cooling fan.

48201 • 48" Commercial Fan

Designed for commercial facilities such as school classrooms, offices, retail stores, restaurants. Provides maximum area coverage for both summer cooling and winter heat destratification.

56001LC • 56" Commercial / School Classroom Fan

Designed for spacious areas with low ceilings where larger blade diameter span creates maximum air velocity and area coverage at lower RPM's. Engineered specifically for continuous commercial use with the same manufacturing criteria as our heavy duty industrial line. Ideally suited for classrooms.

Ordering Summary

	BLADE SIZE	ORDER NUMBER	VOLT	MAX CFM†	AREA COVERAGE††	SHIPPING WEIGHT
▲	36"	36201	120	12,500	1,600 sq ft	20 lbs.
▲	48"	48201	120	21,000	2,025 sq ft	22 lbs.
▲	56"	56001LC	120	25,500	3,025 sq ft	24 lbs.

Note: Supplied with 8" and 24" downrods.

Secondary mounting cable supplied.

† Effective amount of air volume moved past a plane 20ft. from fan. All specifications subject to change and improvement.

†† Area coverage rated for heat destratification at 20' blade mounting height.

Maximum continuous operation ambient temperature 105°F.

HEAVY DUTY HIGH PERFORMANCE INDUSTRIAL CEILING FANS

Maximum Area Coverage at Lowest Total Installed Cost.



**



56" Reversible Fan

56301RDP

Finally a fan that provides the identical air flow volume, in either forward or reverse rotation.

The dual pitch blade (Patented), is the only blade designed for maximum reverse direction

Ideally suited for exhausting, condensation removal and prevention, reverse destratification and other draft free applications

For industrial applications with mounting heights of 10' or higher.

U.S. PATENT# 5,575,624

56001 / 56011 / 56002 / 56007

56" Industrial Fans

Engineered and designed for spacious applications where maximum area coverage is required.

Designed for both winter heat destratification and summertime cooling.

Designed for general applications for above average area coverage and cooling velocity. Ideally suited for factories, gymnasiums, high bay storage facilities.

Powerful, heavy-duty motor for mounting heights to 45 feet.

60001 / 60011 • 60" Industrial Fans

This is the world's most powerful ceiling fan. Its massive contoured blade design and high RPM efficiency creates the largest square foot area coverage and cooling effectiveness available.

Capable of heat destratification to heights of 75 feet. Not suitable for quiet areas such as churches, movie theaters, libraries or auditoriums.

Ordering Summary

	BLADE SIZE	ORDER NUMBER	VOLT	MAX CFM†	AREA COVERAGE††	COLOR	SHIPPING WEIGHT
	56"	56001	120	27,500	3,800 sq ft	White	24 lbs.
	56"	56011	120	27,500	3,800 sq ft	Brown	24 lbs.
	56"	56002	220	26,000	3,800 sq ft	White	24 lbs.
	**56"	56007	277	26,000	3,800 sq ft	White	24 lbs.
	60"	60001	120	46,000	5,000 sq ft	White	30 lbs.
	60"	60002	220	46,000	5,000 sq ft	White	30 lbs.
	60"	60011	120	46,000	5,000 sq ft	Brown	30 lbs.
	**56"	56301RDP*	120	27,000	3,800 sq ft	White	24 lbs.

Note: Supplied with 24" downrods.

Secondary mounting cable supplied.

† Effective amount of air volume moved past a plane 20ft. from fan, industry test. All specifications subject to change and improvement.

†† Area coverage rated for heat destratification at 20' blade mounting height.

Maximum continuous operation ambient temperature 105°F

*Reversible fan includes remote mounted toggle switch suitable for up to 12 fans. Switch requires pulling 4 wires (not including ground) from fan to switch.



▲ Suitable for low ceiling applications. U.L. 507 listed.



3-Speed Pull Chain

For spot cooling in areas where wall switches are not desired. Also designed for production areas where single unit designation operation is required.



SPECIALTY CEILING FANS

56101 / 60101 / 56111 / 60111 Harsh Environment Ceiling Fans

Designed and engineered specifically for food processing plants, wet factory locations, exposed shipping areas, outdoor restaurants, agricultural applications such as poultry houses and greenhouses. Harsh environmental fans include outdoor location installation kit. Agricultural fan has grounded plug.

Harsh Environment Spray Proof Models

BLADE SIZE	ORDER NUMBER	VOLT	MAX CFM†	AREA COVERAGE††	COLOR	SHIPPING WEIGHT
▲ 56"	56101	120	25,500	3,025 sq ft	White	24 lbs.
60"	60101	120	41,000	5,000 sq ft	White	30 lbs.

Supplied with 12" down rod.

Agricultural Models

BLADE SIZE	ORDER NUMBER	VOLT	MAX CFM†	AREA COVERAGE††	COLOR	SHIPPING WEIGHT
▲ 56"	56111	120	25,500	3,025 sq ft	White	24 lbs.
60"	60111	120	41,000	5,000 sq ft	White	30 lbs.

Supplied with 12" down rod.

3 Speed Pull Chain Models

BLADE SIZE	ORDER NUMBER	VOLT	MAX CFM†	AREA COVERAGE††	COLOR	SHIPPING WEIGHT
▲ 48"	48203	120	27,500	3,800 sq ft	White	23 lbs.
▲ 56"	56003	120	25,500	3,025 sq ft	White	24 lbs.

Supplied with 8" and 24" down rod.

Theater Fan Models

BLADE SIZE	ORDER NUMBER	VOLT	MAX CFM†	AREA COVERAGE††	COLOR	SHIPPING WEIGHT
▲ 48"	48201B	120	21,000	2,025 sq ft	Black	23 lbs.
56"	56001B	120	27,500	3,800 sq ft	Black	24 lbs.

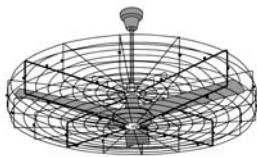
Supplied with 24" down rod.

Secondary mounting cable supplied.

† Effective amount of air volume moved past a plane 20ft. from fan, industry test. All specifications subject to change and improvement.

†† Area coverage rated for heat destratification at 20' blade mounting height. Maximum continuous operation ambient temperature 105°F

CEILING FAN ACCESSORIES



Ceiling Fan Guard
For gymnasiums and public facilities.

Optional Accessories

ORDER NUMBER	ITEM	SHIPPING WEIGHT
28001	FAN GUARD 62" DIAMETER FOR INDUSTRIAL 56" AND 60" FANS ♦	50 lbs.
28002	FAN GUARD 52" DIAMETER FOR COMMERCIAL 36" AND 48" FANS ONLY ♦	40 lbs.
9FP024	WHITE TILTED CANOPY COVER - BROWN(9FP023), BLACK(9FP023B)	1 lb.
9D12BW	DOWNRODS - 12" Also available in brown, replace "W" in model number with "B"	1 lb.
9D18BW	DOWNRODS - 18" Also available in brown, replace "W" in model number with "B"	1 lb.
9D36BW	DOWNRODS - 36" Also available in brown, replace "W" in model number with "B"	3 lb.
9D48BW	DOWNRODS - 48" (FOR LONGER SIZES - CONSULT FACTORY)	4 lb.
99992	OUTDOOR LOCATION INSTALLATION KIT*	1 lb.
9DKIT	DOWNROD Extension kit	2 lb.

Custom models available. Consult with factory for information and specifications.

Use only with heavy-duty / industrial models - Not recommended for low ceiling applications.

♦ Fan Guards ship via UPS *Only for use with harsh env. fans.



OPTIONAL MOTOR SPEED CONTROLS

Available in 3, 8, 12 Amp Models, 120/220/277 Volt

Only Leading Edge motor speed controls are custom engineered, manufactured and U.L. listed to all Leading Edge Fans.

- For single and multiple fan installations.
- Dial-on/off switch allows high-to-low variable speed control above factory set "anti-stall" level.



Model:
12001N
For Single Fan
Model:
12005N
For Two Fans

Optional Accessories

ORDER NUMBER	VOLTS	AMPS	MODEL FAN AND QUANTITY PER CONTROL				
			36201	48201	56001 56001LC 56301RDP 56101	56002 56007	60001 60101
12003	120 Volts	3 Amps	3	2	2	–	1
12006	120 Volts	6 Amps	7	5	5	–	3
12008	120 Volts	8 Amps	10	6	6	–	4
12012	120 Volts	12 Amps	12	10	10	–	8
22003	220 Volts	3 Amps	–	–	–	2	–
Noiseless Mechanical Control							
12001N	120 Volts	1 Amp	–	1	1	Controls 48" & 56" Models Only	
12005N	120 Volts	5 Amps	–	2	2	Controls 48" & 56" Models Only	

DIRECT DRIVE MAN-COOLERS



Low Stand



Medium Stand



High Stand

- Rugged, heavy duty 18" to 48" cooling fans,
- Available with totally enclosed or explosion proof motors
- Non-sparking, cast aluminum props
- 14 Gauge steel body
- Enamel coating standard, optional acid resistant coating
- Manual starter switches available
- 360° Swivel on high and medium stand units
- Meets Federal OSHA requirements
- 1 Year Limited Warranty

FAN SIZE	ORDER NUMBER*		HP	RPM	0" SP CFM	DB @10'	WT.	TE		EXP		
	115/230V 60HZ 1 PH.	230/460V 60HZ 3 PH.						1 PH.	3PH.	1 PH.	3PH.	
HIGH STAND MODELS												
18	18H141	18H143	1/4	1725	3050	72	228	✓	✓	✓	✓	
	24H141	24H143	1/4	1725	5200	78	255	✓	✓	✓	✓	
24	24H121	24H123	1/2	1725	6000	78	260	✓	✓	✓	✓	
	24H341	24H343	3/4	1200	7000	72	280	✓	✓	✓	✓	
	24H11	24H13	1	1725	7400	80	270	✓	✓	✓	✓	
	24H31	24H33	3	1725	10500	85	300	✓	✓	n/a	✓	
	30H121	30H123	1/2	1725	8000	84	281	✓	✓	✓	✓	
	30H341	30H343	3/4	1200	9000	78	350	✓	✓	✓	✓	
30	30H1121	30H1123	1 1/2	1725	11000	90	340	✓	✓	✓	✓	
	30H21	30H23	2	1200	12000	82	365	✓	✓	n/a	✓	
	30H31	30H33	3	1725	13000	92	360	✓	✓	n/a	✓	
	36H1121	36H1123	1 1/2	1725	14850	86	420	✓	✓	✓	✓	
36	36H21	36H23	2	1725	16000	86	420	✓	✓	✓	✓	
	36H2A1	36H2A3	2	1200	14000	80	420	✓	✓	n/a	✓	
	—	36H33	3	1150	19000	82	425	n/a	✓	n/a	✓	
42	—	42H23	2	1150	19500	84	565	n/a	✓	n/a	✓	
	—	42H53	5	1150	27000	84	590	n/a	✓	n/a	✓	
48	—	48H7123	7 1/2	1150	33000	103	875	n/a	✓	n/a	✓	
MEDIUM STAND MODELS												
18	18M141	18M143	1/4	1725	3050	72	163	✓	✓	✓	✓	
	24M141	24M143	1/4	1725	5200	78	165	✓	✓	✓	✓	
24	24M121	24M123	1/2	1725	6000	78	180	✓	✓	✓	✓	
	24M341	24M343	3/4	1200	7000	72	200	✓	✓	✓	✓	
	24M11	24M13	1	1725	7400	80	190	✓	✓	✓	✓	
	24M31	24M33	3	1725	10500	85	220	✓	✓	n/a	✓	
	30M121	30M123	1/2	1725	8000	84	201	✓	✓	✓	✓	
	30M341	30M343	3/4	1200	9000	78	270	✓	✓	✓	✓	
30	30M1121	30M1123	1 1/2	1725	11000	90	260	✓	✓	✓	✓	
	30M21	30M23	2	1200	12000	82	285	✓	✓	n/a	✓	
	30M31	30M33	3	1725	13000	92	280	✓	✓	n/a	✓	
	36M1121	36M1123	1 1/2	1725	14850	86	320	✓	✓	✓	✓	
36	36M21	36M23	2	1725	16000	86	325	✓	✓	✓	✓	
	36M2A1	36M2A3	2	1200	14000	80	325	✓	✓	n/a	✓	
	—	36M33	3	1150	19000	82	350	n/a	✓	n/a	✓	
42	—	42M23	2	1150	19500	84	415	n/a	✓	n/a	✓	
	—	42M53	5	1150	27000	84	440	n/a	✓	n/a	✓	
48	—	48M7123	7 1/2	1150	33000	103	745	n/a	✓	n/a	✓	
LOW STAND MODELS												
18	18L141	18L143	1/4	1725	3050	72	103	✓	✓	✓	✓	
	24L141	24L143	1/4	1725	5200	78	115	✓	✓	✓	✓	
24	24L121	24L123	1/2	1725	6000	78	120	✓	✓	✓	✓	
	24L341	24L343	3/4	1200	7000	72	140	✓	✓	✓	✓	
	24L11	24L13	1	1725	7400	80	130	✓	✓	✓	✓	
	24L31	24L33	3	1725	10500	85	160	✓	✓	n/a	✓	
	30L121	30L123	1/2	1725	8000	84	141	✓	✓	✓	✓	
	30L341	30L343	3/4	1200	9000	78	210	✓	✓	✓	✓	
30	30L1121	30L1123	1 1/2	1725	11000	90	200	✓	✓	✓	✓	
	30L21	30L23	2	1200	12000	82	225	✓	✓	n/a	✓	
	30L31	30L33	3	1725	13000	92	220	✓	✓	n/a	✓	
	36L1121	36L1123	1 1/2	1725	14850	86	250	✓	✓	✓	✓	
36	36L21	36L23	2	1725	16000	86	255	✓	✓	✓	✓	
	36L2A1	36L2A3	2	1200	14000	80	255	✓	✓	n/a	✓	
	—	36L33	3	1150	19000	82	260	n/a	✓	n/a	✓	
42	—	42L23	2	1150	19500	84	315	n/a	✓	n/a	✓	
	—	42L53	5	1150	27000	84	340	n/a	✓	n/a	✓	
48	—	48L7123	7 1/2	1150	33000	103	625	n/a	✓	n/a	✓	

Optional Casters for Low & Medium Stand Man-coolers

- Factory installed
- 2 Fixed and 2 Swivel casters per model

* NOTE: When ordering Explosion Proof models, add EXP suffix to model number

Optional Accessories

ORDER NUMBER	FAN SIZE	WHEEL SIZE	SHIPPING WEIGHT
CAS18	18"- 30"	4"	10 lbs.
CAS48	36"- 48"	6"	14 lbs.

NOTE: When ordering explosion proof model add EXP. suffix to model number.

BELT DRIVE MAN-COOLERS

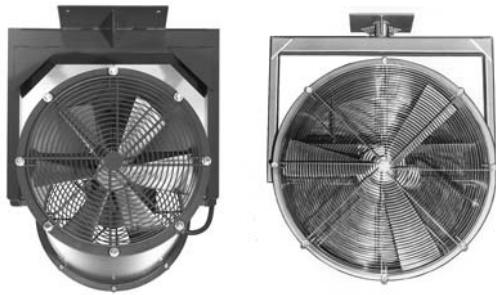
FAN SIZE	ORDER NUMBER*		HP	RPM	0" SP CFM	DB @10'	WT.	TE		EXP	
	115/230V 60HZ 1 Ph.	230/460V 60HZ 3 Ph.						1 Ph.	3 Ph.	1 Ph.	3 Ph.
HIGH STAND MODELS											
24	24HB131	24HB133	1/3	850	4850	70	255	✓	✓	✓	✓
	24HB121	24HB123	1/2	1000	5750	72	260	✓	✓	✓	✓
	24HB11	24HB13	1	1255	7050	86	275	✓	✓	✓	✓
	24HB21	24HB23	2	1600	9150	83	300	✓	✓	✓	✓
30	30HB121	30HB123	1/2	810	7600	73	287	✓	✓	✓	✓
	30HB11	30HB13	1	1020	10500	77	340	✓	✓	✓	✓
	—	30HB33	3	1475	15000	86	360	n/a	✓	n/a	✓
	—	30HB53	5	1550	16200	87	375	n/a	✓	n/a	✓
36	36HB11	36HB13	1	600	13500	75	430	✓	✓	✓	✓
	36HB31	36HB33	3	1000	19000	82	440	✓	✓	✓	✓
	36HB51	36HB53	5	1185	22250	86	450	✓	✓	✓	✓
	42HB31	42HB33	3	840	24000	84	571	✓	✓	✓	✓
48	—	42HB7123	7 1/2	1140	30000	89	600	n/a	✓	n/a	✓
	48HB31	48HB33	3	685	24600	80	688	✓	✓	✓	✓
60	—	48HB7123	7 1/2	930	33000	87	750	n/a	✓	n/a	✓
	—	60HB53	5	435	43000	84	1070	n/a	✓	n/a	✓
	—	60HB7123	7 1/2	660	49000	86	1120	n/a	✓	n/a	✓
MEDIUM STAND MODELS											
24	24MB131	24MB133	1/3	850	4850	70	165	✓	✓	✓	✓
	24MB121	24MB123	1/2	1000	5750	72	180	✓	✓	✓	✓
	24MB11	24MB13	1	1255	7050	86	195	✓	✓	✓	✓
	24MB21	24MB23	2	1600	9150	83	220	✓	✓	✓	✓
30	30MB121	30MB123	1/2	810	7600	73	207	✓	✓	✓	✓
	30MB11	30MB13	1	1020	10500	77	260	✓	✓	✓	✓
	—	30MB33	3	1475	15000	86	280	n/a	✓	n/a	✓
	—	30MB53	5	1550	16200	87	295	n/a	✓	n/a	✓
36	36MB11	36MB13	1	600	13300	75	335	✓	✓	✓	✓
	36MB31	36MB33	3	1000	19000	82	345	✓	✓	✓	✓
42	36MB51	36MB53	5	1185	22250	86	355	✓	✓	✓	✓
	42MB31	42MB33	3	840	24000	84	421	✓	✓	✓	✓
48	—	42MB7123	7 1/2	1140	30000	89	460	n/a	✓	n/a	✓
	48MB31	48MB33	3	685	24600	80	548	✓	✓	✓	✓
60	—	48MB7123	7 1/2	930	33000	87	620	n/a	✓	n/a	✓
	—	60MB53	5	435	43000	84	960	n/a	✓	n/a	✓
	—	60MB7123	7 1/2	660	49000	86	1040	n/a	✓	n/a	✓
LOW STAND MODELS											
24	24LB131	24LB133	1/3	850	4850	70	115	✓	✓	✓	✓
	24LB121	24LB123	1/2	1000	5750	72	120	✓	✓	✓	✓
	24LB11	24LB13	1	1255	7050	86	135	✓	✓	✓	✓
	24LB21	24LB23	2	1600	9150	83	160	✓	✓	✓	✓
30	30LB121	30LB123	1/2	810	7600	73	147	✓	✓	✓	✓
	30LB11	30LB13	1	1020	10500	77	200	✓	✓	✓	✓
	—	30LB33	3	1475	15000	86	220	n/a	✓	n/a	✓
	—	30LB53	5	1550	16200	87	235	n/a	✓	n/a	✓
36	36LB11	36LB13	1	600	13300	75	265	✓	✓	✓	✓
	36LB31	36LB33	3	1000	19000	82	275	✓	✓	✓	✓
42	36LB51	36LB53	5	1185	22250	86	285	✓	✓	✓	✓
	42LB31	42LB33	3	840	24000	84	321	✓	✓	✓	✓
48	—	42LB7123	7 1/2	1140	30000	89	360	n/a	✓	n/a	✓
	48LB31	48LB33	3	685	24600	80	428	✓	✓	✓	✓
60	—	48LB7123	7 1/2	930	33000	87	500	n/a	✓	n/a	✓
	—	60LB53	5	435	43000	84	770	n/a	✓	n/a	✓
	—	60LB7123	7 1/2	660	49000	86	795	n/a	✓	n/a	✓

Note: When ordering explosion proof models, add EXP suffix to model number.

Switches for Man-Coolers (Factory installed)

ORDER NUMBER			HP	TE		EXP	
1 Ph.	3 Ph.	1 Ph.		3 Ph.	1 Ph.	3 Ph.	
SW141	SW143	1/4	✓	✓	✓	✓	
SW121	SW123	1/2	✓	✓	✓	✓	
SW11	SW13	1	✓	✓	✓	✓	
SW1121	SW1123	1 1/2	✓	✓	✓	✓	
—	SW23	2	n/a	✓	n/a	✓	
—	SW33	3	n/a	✓	n/a	✓	
—	SW53	5	n/a	✓	n/a	✓	
—	SW7123	7 1/2	n/a	✓	n/a	✓	

PERMANENT MOUNT BLOWER



- 18" to 36" Direct drive blowers available with one way or two way swivel
- Mount to overhead beams or wall columns
- Available with totally enclosed or explosion proof motors
- Non-sparking, cast aluminum blades
- 14 Gauge steel body, steel tubing yoke
- Front and rear spiral guards
- Meets Federal OSHA requirements
- 1 Year Limited Warranty

NOTE: When ordering explosion proof model add exp. suffix to model number.

1 Way Swivel

BLADE DIA.	1-PHASE	3-PHASE	NO. OF BLADES	HP	RPM	0" SP CFM	DB @ 10'	WT.	TE		EXP	
	115/230V ORDER NO.	230/460V ORDER NO.							1 PH.	3 PH.	1 PH.	3 PH.
18	18S141	18S143	4	1/4	1725	3050	72	163	✓	✓	✓	✓
	24S141	24S143	2	1/4	1725	5200	78	165	✓	✓	✓	✓
24	24S121	24S123	4	1/2	1725	6000	78	180	✓	✓	✓	✓
	24S341	24S343	6	3/4	1200	7000	72	200	✓	✓	✓	✓
	24S11	24S13	6	1	1725	7400	80	190	✓	✓	✓	✓
	24S31	24S33	6	3	1725	10500	85	220	✓	✓	n/a	✓
30	30S121	30S123	4	1/2	1725	8000	84	201	✓	✓	✓	✓
	30S341	30S343	6	3/4	1200	9000	78	270	✓	✓	✓	✓
	30S1121	30S1123	6	1 1/2	1725	11000	90	260	✓	✓	✓	✓
	30S21	30S23	6	2	1200	12000	82	285	✓	✓	n/a	✓
	30S31	30S33	2	3	1725	13000	92	280	✓	✓	n/a	✓
36	36S1121	36S1123	2	1 1/2	1725	14850	86	320	✓	✓	✓	✓
	36S21	36S23	4	2	1725	16000	86	325	✓	✓	✓	✓
	36S2A1	36S2A3	6	2	1200	14000	80	325	✓	✓	n/a	✓
	—	36S33	3	3	1150	19000	82	350	n/a	✓	n/a	✓

2 Way Swivel

BLADE DIA.	1-PHASE	3-PHASE	NO. OF BLADES	HP	RPM	0" SP CFM	DB @ 10'	WT.	TE		EXP	
	115/230V ORDER NO.	230/460V ORDER NO.							1 PH.	3 PH.	1 PH.	3 PH.
18	18D141	18D143	4	1/4	1725	3050	72	163	✓	✓	✓	✓
	24D141	24D143	2	1/4	1725	5200	78	165	✓	✓	✓	✓
24	24D121	24D123	4	1/2	1725	6000	78	180	✓	✓	✓	✓
	24D341	24D343	6	3/4	1200	7000	72	200	✓	✓	✓	✓
	24D11	24D13	6	1	1725	7400	80	190	✓	✓	✓	✓
	24D31	24D33	6	3	1725	10500	85	220	✓	✓	n/a	✓
30	30D121	30D123	4	1/2	1725	8000	84	201	✓	✓	✓	✓
	30D341	30D343	6	3/4	1200	9000	78	270	✓	✓	✓	✓
	30D1 121	30D1 123	6	1 1/2	1725	11000	90	260	✓	✓	✓	✓
	30D21	30D23	6	2	1200	12000	82	285	✓	✓	n/a	✓
	30D31	30D33	2	3	1725	13000	92	280	✓	✓	n/a	✓
36	36D1 121	36D1 123	2	1 1/2	1725	14850	86	320	✓	✓	✓	✓
	36D21	36D23	4	2	1725	16000	86	325	✓	✓	✓	✓
	36D2A1	36D2A3	6	2	1200	14000	80	325	✓	✓	n/a	✓
	—	36D33	3	3	1150	19000	82	350	n/a	✓	n/a	✓

COMMERCIAL DIRECT DRIVE EXHAUST FAN



LPEV



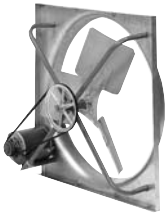
LPES

- 115V, 1Ø, totally enclosed permanently lubricated motor.
- LPEV - Venturi mounted fan - Provides optimum air flow and more rigid installation. Can be used with or without external shutter.
- LPES - Shutter mounted fan - Reduces installation time by eliminating inside and outside framing when a shutter is going to be used.

Ordering Summary

ORDER NUMBER	TYPE	BLADE SIZE	OUTSIDE DIMENSION	CFM AT 115V HIGH MED LOW	AMPS (HIGH)	SHIP WT (LBS.)
LPE12V	VENTURI FAN	12"	17-3/4" Sq.	2000 / 1600 / 1150	1.1	14
LPE16V		16"	21" Sq.	3000 / 2650 / 2250	1.1	21
LPE22V		22"	27-1/2" Sq.	4200 / — / 3700	2.1	37
LPE12S	SHUTTER FAN	12"	15" Sq.	2000 / 1600 / 1150	1.1	16
LPE16S		16"	19" Sq.	3000 / 2650 / 2250	1.1	25
LPE24S		24"	27" Sq.	5000 / — / 4200	2.2	44
LPE30S		30"	33" Sq.	7800 / — / 6600	2.5	51

COMMERCIAL BELT DRIVE EXHAUST FAN

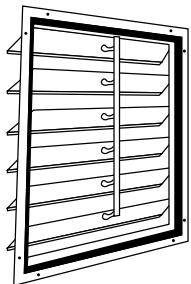


- 115V, 1Ø, permanently lubricated, drip proof motor
- Permanently lubricated bearings on blade shaft
- Aluminum blade
- Hot dipped galvanized venturi
- Shipped fully assembled
- 1 Year Limited Warranty (sleeve bearing on 24", 30", 36", ball bearing on 42")

Ordering Summary

BLADE SIZE	ORDER NUMBER	MOTOR HP	CFM (FREE AIR)	AMPS	SHIPPING WEIGHT
24"	BE24	1/2	6500	6.0	58 lbs.
30"	BE30	1/2	8300	6.0	65 lbs.
36"	BE36	1/2	10400	6.0	78 lbs.
42"	BE42	3/4	14000	9.2	92 lbs.

COMMERCIAL WALL EXHAUST SHUTTER



- Air Open — Gravity Close
- All Aluminum
- Bronze bearings
- Weather stripping for tighter seal

Ordering Summary

WALL FAN SIZE	ORDER NUMBER	OPENING REQUIRED	OVERALL DIMENSIONS	SHIPPING WT.
12"	CWS12	13" x 13"	15" x 15"	4 lbs.
16"	CWS16	17" x 17"	19" x 19"	6 lbs.
22"	CWS22	23" x 23"	25" x 25"	8 lbs.
24"	CWS24	25" x 25"	27" x 27"	11 lbs.
30"	CWS30	31" x 31"	33" x 33"	12 lbs.
36"	CWS36	37" x 37"	39" x 39"	20 lbs.
42"	CWS42	43" x 43"	45" x 45"	29 lbs.

Note: Only for use with LPE & BE Series fans.

INDUSTRIAL BELT DRIVE EXHAUST FAN



- 24" to 60" Sizes available with 115/230V 1 or 230/460V3 , totally enclosed fan cooled, permanently lubricated motors
- 16 Gauge steel venturi with steel pipe bracing
- Steel blades
- Double pillow block bearing shaft support

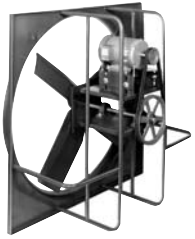
Options:

- WS Shutters
- FG Front Guards
- RBG Rear Guards
- Industrial grey enamel finish
- Fans shipped completely assembled, factory tested and adjusted, ready to install
- 1 Year Limited Warranty
- Use Web Model for Explosion Proof or Intake Applications

Ordering Summary

BLADE DIA.	1-PHASE		3-PHASE		PANEL SIZE SQ."	HP	RPM	CFM 0" SP	APPROX. WEIGHT	LIST	
	115/230V MODEL NO.	208-230/460V MODEL NO.	HP	RPM						1 PH.	3 PH.
24"	PEF24131	PEF24133	1/3	825	30"	1/3	825	5300	70 lbs.	✓	✓
	PEF24121	PEF24123	1/2	925		1/2	925	6200	72 lbs.	✓	✓
	PEF24341	PEF24343	3/4	1050		3/4	1050	7000	80 lbs.	✓	✓
	PEF2411	PEF2413	1	1175		1	1175	7800	90 lbs.	✓	✓
30"	PEF30131	PEF30133	1/3	570	36"	1/3	570	7500	108 lbs.	✓	✓
	PEF30121	PEF30133	1/2	625		1/2	625	8500	110 lbs.	✓	✓
	PEF30341	PEF30343	3/4	725		3/4	725	10000	116 lbs.	✓	✓
	PEF3011	PEF3013	1	825		1	825	11000	126 lbs.	✓	✓
36"	PEF36131	PEF36133	1/3	425	42"	1/3	425	9000	131 lbs.	✓	✓
	PEF36121	PEF36123	1/2	500		1/2	500	10500	133 lbs.	✓	✓
	PEF36341	PEF36343	3/4	575		3/4	575	11900	138 lbs.	✓	✓
	PEF3611	PEF3613	1	650		1	650	13100	145 lbs.	✓	✓
	PEF361121	PEF361123	1 1/2	750		1 1/2	750	15000	155 lbs.	✓	✓
—	PEF3623	2	830	2	830	16500	170 lbs.	n/a	✓		
42"	PEF42341	PEF42343	3/4	430	48"	3/4	430	14000	158 lbs.	✓	✓
	PEF4211	PEF4213	1	490		1	490	15400	166 lbs.	✓	✓
	PEF421121	PEF421123	1 1/2	550		1 1/2	550	17200	181 lbs.	✓	✓
	—	PEF4223	2	620		2	620	19400	191 lbs.	n/a	✓
	—	PEF4233	3	700		3	700	22000	201 lbs.	n/a	✓
48"	PEF4811	PEF4813	1	400	54"	1	400	19100	174 lbs.	✓	✓
	PEF481121	PEF481123	1 1/2	460		1 1/2	460	22000	178 lbs.	✓	✓
	—	PEF4823	2	520		2	520	24000	194 lbs.	n/a	✓
	—	PEF4833	3	590		3	590	27500	204 lbs.	n/a	✓
	—	PEF4853	5	660		5	660	30500	234 lbs.	n/a	✓
60"	—	PEF6023	2	320	66"	2	320	31000	328 lbs.	n/a	✓
	—	PEF6033	3	370		3	370	35000	342 lbs.	n/a	✓
	—	PEF6053	5	420		5	420	39000	352 lbs.	n/a	✓

HEAVY DUTY BELT DRIVE EXHAUST FAN

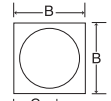
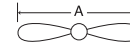


- Available with totally enclosed or explosion proof motor
- Standard props are heavy gauge steel
- Cast aluminum props available for explosion proof requirements
- Heavy 14 gauge steel panel with welded steel pipe bracing
- Cast iron ball bearings in pillow blocks with cast iron sheaves
- Options available: Reverse flow for supply, and acid resistant coating — Call factory

- Guards: Front and rear box available
- Industrial grey enamel finish
- Fans delivered completely assembled, factory tested and adjusted, ready to install
- A special motorized shutter to be used with supply fan, Model WSHM, when shutter is mounted directly in front of fan
- Venturi can also be reversed when flat front surface desired — Request when ordering fan

Dimensions

FAN SIZE	A	B	C
24"	24	30	16
30"	30	36	16
36"	36	42	19
42"	42	48	20
48"	48	54	21
60"	60	66	28



- A — Blade Diameter
- B — Panel Size
- C — Depth Dimension
- "C" Depth dimension varies with motor selection.

Ordering Summary

FAN DIA.	1-PHASE		3-PHASE		PANEL SIZE SQ.	CFM 0" SP	DB @ 10'	APPROX WT.	TE		EXP	
	115/230V MODEL NO.	208-230/460V MODEL NO.	HP	RPM					1 PH.	3 PH.	1 PH.	3 PH.
24"	WEB24G	WEB24G3	1/4	700	30"	5200	60	100	✓	✓	✓	✓
	WEB24H	WEB24H3	1/3	775		5760	63	100	✓	✓	✓	✓
	WEB24I	WEB24I3	1/2	885		6575	66	130	✓	✓	✓	✓
	WEB 24J	WEB24J3	3/4	1015		7545	71	140	✓	✓	✓	✓
	WEB24K	WEB24K3	1	1110		7800	73	140	✓	✓	✓	✓
30"	WEB30G	WEB30G3	1/4	460	36"	7160	61	140	✓	✓	✓	✓
	WEB30H	WEB30H3	1/3	505		7860	63	150	✓	✓	✓	✓
	WEB30I	WEB30I3	1/2	580		8500	64	158	✓	✓	✓	✓
	WEB30J	WEB30J3	3/4	660		10200	66	168	✓	✓	✓	✓
	WEB30K	WEB30K3	1	725		11300	70	168	✓	✓	✓	✓
36"	WEB30L	WEB30L3	1 1/2	820	42"	12765	77	178	✓	✓	✓	✓
	WEB36H	WEB36H3	1/4	385		9110	64	185	✓	✓	✓	✓
	WEB36I	WEB36I3	1/2	440		10405	66	190	✓	✓	✓	✓
	WEB36J	WEB36J3	3/4	505		11945	68	200	✓	✓	✓	✓
	WEB36K	WEB36K3	1	555		13125	70	200	✓	✓	✓	✓
42"	WEB36L	WEB36L3	1 1/2	625	48"	14300	72	210	✓	✓	✓	✓
	WEB36M	WEB36M3	2	690		16500	74	230	✓	✓	✓	✓
	WEB42H	WEB42H3	1/3	320		11375	64	205	✓	✓	✓	✓
	WEB42I	WEB42I3	1/2	365		12980	65	215	✓	✓	✓	✓
	WEB42J	WEB42J3	3/4	420		14930	67	225	✓	✓	✓	✓
48"	WEB42K	WEB42K3	1	455	66"	16180	69	235	✓	✓	✓	✓
	WEB42L	WEB42L3	1 1/2	515		18310	71	240	✓	✓	✓	✓
	WEB42M	WEB42M3	2	570		20265	74	245	✓	✓	✓	✓
	—	WEB42P3	3	650		23100	79	265	n/a	✓	n/a	✓
	WEB48I	WEB48I3	1/2	295		15200	69	190	✓	✓	✓	✓
60"	WEB48J	WEB48J3	3/4	335	66"	17300	70	195	✓	✓	✓	✓
	WEB48K	WEB48K3	1	370		19100	71	205	✓	✓	✓	✓
	WEB48L	WEB48L3	1 1/2	415		21700	72	255	✓	✓	✓	✓
	WEB48M	WEB48M3	2	455		24200	74	280	✓	✓	✓	✓
	—	WEB48P3	3	525		28100	80	305	n/a	✓	n/a	✓
60"	—	WEB48T3	5	620	66"	33100	83	315	n/a	✓	n/a	✓
	WEB60K	WEB60K3	1	265		24050	76	370	✓	✓	✓	✓
	WEB60L	WEB60L3	1 1/2	300		27225	77	380	✓	✓	✓	✓
	WEB60M	WEB60M3	2	390		32200	78	390	✓	✓	✓	✓
	—	WEB60P3	3	450		37100	84	405	n/a	✓	n/a	✓
—	WEB60T3	5	540	44600	86	425	n/a	✓	n/a	✓		

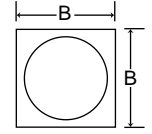
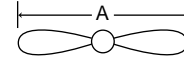
NOTE: When ordering Explosion Proof models, add EXP suffix to model number All units are made to order and are not returnable.

HEAVY DUTY DIRECT DRIVE EXHAUST FANS

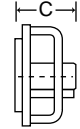


Dimensions

FAN SIZE	A	B	C
12"	12	16	10
16"	16	20	10
20"	20	24	13
24"	24	30	13
30"	30	36	15
36"	36	42	18
42"	42	48	18
48"	48	54	20
60"	60	66	24



A — Blade Diameter
B — Panel Size
C — Depth Dimension
 "C" Depth dimension varies with motor selection.



NOTE: When ordering explosion proof models, add exp. suffix to model number.

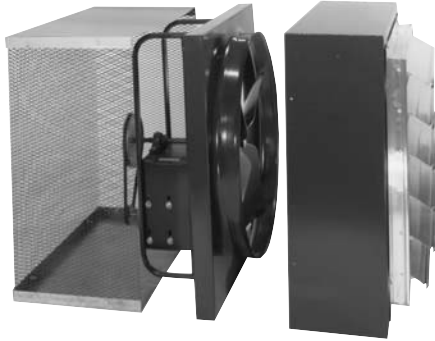
- Available with totally enclosed or explosion proof motor
- Props are cast aluminum
- Heavy 14 gauge steel panel with welded steel pipe bracing
- Options available: Reverse flow for supply, and acid resistant coating — Call factory
- **GUARDS:** Front and rear (Spiral, circular front and rear box available)
 For models 12" to 30" — Rear box and circular front guards only on **Ordering Summary**

- models 36" to 60"
- Industrial grey enamel finish
- Fans delivered completely assembled, factory tested and adjusted, ready to install
- A special motorized supply shutter to be used with supply fan — Model WSHM Shutter when shutter is mounted directly in front of fan
- Venturi can be reversed when flat front surface is desired (steel or metal buildings) — Request when ordering fan

FAN DIA.	1-PHASE		3-PHASE		PANEL SIZE		CFM	DB @ 10'	SHIP. WT.	TE		EXP	
	115/230V MODEL NO.	208-230/460V MODEL NO.	SQ."	HP	RPM	0" SP				1 PH.	3 PH.	1 PH.	3 PH.
12"	WED12G	WED12G3	16"	1/4	1725	1180	74	35	✓	✓	✓	✓	
16"	WED16G	WED16G3	20"	1/4	1140	2100	64	70	✓	✓	✓	✓	
	WED16AG	WED16AG3		1/4	1725	2800	75	60	✓	✓	✓	✓	
20"	WED20G	WED20G3	24"	1/4	1140	2800	66	80	✓	✓	✓	✓	
	WED20AG	WED20AG3		1/4	1725	3720	75	70	✓	✓	✓	✓	
	WED20I	WED20I3		1/2	1725	4800	76	75	✓	✓	✓	✓	
	WED20K	WED20K3		1	1725	6900	77	85	✓	✓	✓	✓	
24"	WED24AG	WED24AG3	30"	1/4	1725	5200	82	135	✓	✓	✓	✓	
	WED24G	WED24G3		1/3	1150	5955	75	135	✓	✓	✓	✓	
	WED24AI	WED24AI3		1/2	1725	6510	82	140	✓	✓	✓	✓	
	WED24I	WED24I3		1/2	1140	6840	75	150	✓	✓	✓	✓	
	WED24J	WED24J3		3/4	1150	7000	76	150	✓	✓	✓	✓	
	WED24K	WED24K3		1	1725	7425	83	155	✓	✓	✓	✓	
30"	—	WED24M3	36"	2	1725	8980	84	162	n/a	✓	n/a	✓	
	WED30AI	WED30AI3		1/2	1725	9500	89	150	✓	✓	✓	✓	
	WED30I	WED30I3		1/2	1140	7500	79	150	✓	✓	✓	✓	
	—	WED30K3		1	840	10600	74	215	n/a	✓	n/a	✓	
	WED30L	WED30L3		1 1/2	1725	12000	89	165	✓	✓	✓	✓	
	—	WED30M3		2	1140	14000	82	215	n/a	✓	n/a	✓	
36"	WED36K	WED36K3	42"	1	1140	13600	84	220	✓	✓	✓	✓	
	—	WED36BM3		2	860	17600	78	280	n/a	✓	n/a	n/a	
	—	WED36M3		2	1140	17650	84	250	n/a	✓	n/a	✓	
	—	WED36P3		3	1140	20500	85	270	n/a	✓	n/a	✓	
	—	WED36T3		5	1725	23000	94	290	n/a	✓	n/a	✓	
42"	—	WED42K3	48"	1	870	15800	82	300	n/a	✓	n/a	n/a	
	—	WED42L3		2	870	22040	83	320	n/a	✓	n/a	n/a	
	—	WED42M3		2	1140	17964	88	280	n/a	✓	n/a	✓	
	—	WED42P3		3	1140	24500	88	295	n/a	✓	n/a	✓	
	—	WED42T3		5	1140	28970	88	310	n/a	✓	n/a	✓	
	—	WED48M3		3	870	28700	86	540	n/a	✓	n/a	n/a	
48"	—	WED48O3	54"	5	870	33000	86	580	n/a	✓	n/a	n/a	
	—	WED48P3		3	1140	28600	92	495	n/a	✓	n/a	✓	
	—	WED48T3		5	1140	32000	94	510	n/a	✓	n/a	✓	
	—	WED48AE3		10	1140	40900	97	520	n/a	✓	n/a	n/a	
60"	—	WED60P3	66"	3	870	40000	90	700	n/a	✓	n/a	n/a	
	—	WED60T3		5	870	45000	92	730	n/a	✓	n/a	n/a	
	—	WED60AE3		10	870	53000	93	1200	n/a	✓	n/a	n/a	

* NOTE: When ordering Explosion Proof models, add EXP suffix to model number
 All units are made to order and are not returnable.

PACKAGE WALL EXHAUST / INTAKE FANS



Package fan includes:

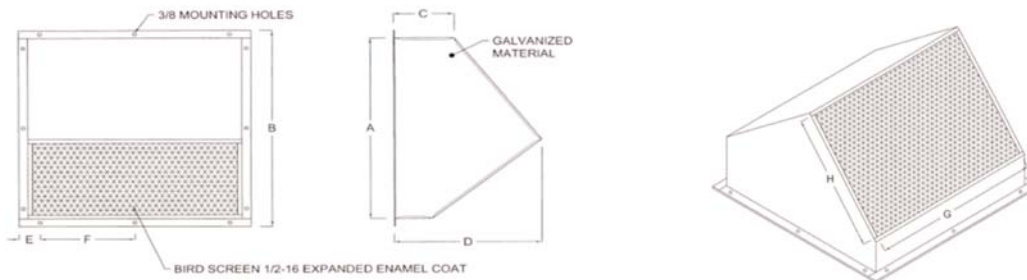
- Rear Box Guard
 - Fan & Shutter Mounting Box (Wall Collar)
 - Exhaust or Intake Shutter
 - Fan units are fully assembled ready for installation
 - PKG can be added to any wall fan (Direct or Belt Drive)
- Series: PEF, WEB or WED
- Add "PKGE" or "PKGI" suffix to standard model number
 - Prices are in addition to base fan prices

Ordering Summary

FAN SIZE	EXHAUST PKG-E	INTAKE PKG-I
12"	PKGE12	PKGI12
16"	PKGE16	PKGI16
18"	PKGE18	PKGI18
20"	PKGE20	PKGI20
24"	PKGE24	PKGI24
30"	PKGE30	PKGI30
36"	PKGE36	PKGI36
42"	PKGE42	PKGI42
48"	PKGE48	PKGI48
54"	PKGE54	PKGI54
60"	PKGE60	PKGI60

All units are made to order and are not returnable.

EXHAUST / INTAKE WEATHERHOODS



Ordering Summary

MODEL NO.	A	B	C	D	E	F	G	H	NUMBER OF HOLES	MATERIAL GAUGE
IEWH12	20"	23"	12"	22"	4"		16-1/2"	14-1/2"	8	22
IEWH16	24"	27"	12"	24"	4-1/2"		19-1/2"	18-1/2"	8	22
IEWH18	26"	29"	12"	25"	5"		21-1/2"	19-1/2"	8	22
IEWH20	28"	31"	12"	26"	5-1/2"		23-1/2"	21"	8	22
IEWH24	32"	35"	12"	28"	6-1/2"		27-1/2"	23-1/2"	8	22
IEWH30	38"	41"	12"	32"	7-1/2"		33-1/2"	27-3/8"	8	22
IEWH36	44"	47"	12"	36"	8-1/2"		39-1/2"	31-1/2"	8	22
IEWH42	50"	53"	12"	44"	5-1/2"	21"	45-1/2"	36"	12	20
IEWH48	56"	59"	16"	46"	6-1/2"	23"	51-1/2"	39-1/2"	12	20
IEWH60	68"	71"	16"	54"	8-1/2"	27"	62-3/4"	47-1/4"	12	20

TUBE AXIAL DIRECT DRIVE DUCT FANS



These direct drive tube axial fans are recommended for duct applications in mills, mines, foundries, factories or wherever fumes, dust, smoke, or steam must be removed.

- Propellers are non-sparking cast aluminum so that unit with explosion proof motor can be used to handle explosive gases.
- Drum made from heavy gauge steel. Welded construction. Angle iron flanges on each end of drum with eight mounting holes for ease of mounting into duct.
- Motors are standard NEMA design and are available in open drip proof, totally enclosed and explosion proof. All ball bearing.
- Model DF fans should be specified for all applications where it is permissible to allow the motor to run in the air stream.

Ordering Summary

DIA.	1-PHASE 115/230V-60HZ.		3-PHASE 230/460V-60HZ.		NO.	CFM-STATIC PRESSURE				DB@ 10'	SHIP. WT. (LBS.)	TE		EXP	
	CATALOG NO.	CATALOG NO.	BLADES	HP		RPM	0"	Z _V "	Z _X "			C _V "	1PH.	3PH.	1PH.
12	DF12A	DF12A3	4	1/2	3450	1875	1400	1250	1100	82	41	✓	✓	✓	✓
	DF12B	DF12B3	6	3/4	3450	2044	1920	1650	1500	83	50	✓	✓	✓	✓
18	DF18G	DF18G3	4	1/4	1725	3450	2500	—	—	74	60	✓	✓	✓	✓
	DF18H	DF18H3	6	1/3	1725	3350	3000	1400	—	75	90	✓	✓	✓	✓
24	DF24G	DF24G3	2	1/4	1725	5200	2870	—	—	80	96	✓	✓	✓	✓
	DF24H	DF24H3	6	1/3	1140	4975	4250	2850	—	74	110	✓	✓	✓	✓
27	DF24I	DF24I3	4	1/2	1725	6510	5200	3100	—	80	114	✓	✓	✓	✓
	DF24J	DF24J3	6	3/4	1140	6900	6265	3300	—	74	120	✓	✓	✓	✓
30	DF24K	DF24K3	6	1	1725	7425	6350	5000	3300	82	135	✓	✓	✓	✓
	—	DF24P3	6	3	1725	10700	10100	9300	8000	87	145	n/a	✓	n/a	✓
34	DF27I	DF27I3	4	1/2	1725	7550	6000	4000	2000	86	122	✓	✓	✓	✓
	DF27K	DF27K3	4	1	1725	9600	8400	7050	4800	86	152	✓	✓	✓	✓
36	DF27M	DF27M3	6	2	1725	11500	10700	9300	8000	86	175	✓	✓	✓	✓
	DF30I	DF30I3	4	1/2	1725	8980	6300	4350	2300	86	128	✓	✓	✓	✓
42	DF30J	DF30J3	6	3/4	1140	10440	8750	6000	—	80	150	✓	✓	✓	✓
	DF30M	DF30M3	6	2	1725	12300	10900	9000	6900	89	185	✓	✓	✓	✓
48	—	DF30N3	6	2	1140	14000	12900	10450	—	84	185	n/a	✓	n/a	✓
	—	DF30P3	6	3	1725	16000	14700	12900	10200	89	200	n/a	✓	n/a	✓
34	DF34L	DF34L3	4	1 1/2	1725	13350	10000	7300	—	88	175	✓	✓	✓	✓
	DF34M	DF34M3	4	2	1725	14850	12100	8800	4000	89	200	✓	✓	✓	✓
42	—	DF34P3	4	2	1140	15950	13800	11400	—	84	240	n/a	✓	n/a	✓
	—	DF34L3	3	3	1140	19300	17230	14900	11614	86	250	n/a	✓	n/a	✓
48	—	DF42H3	4	1	870	15800	13480	5800	—	82	250	n/a	✓	n/a	✓
	—	DF42M3	4	2	1140	17964	15326	12351	7600	87	260	n/a	✓	n/a	✓
48	—	DF42N3	4	2	870	22000	20500	15000	6000	83	300	n/a	✓	n/a	✓
	—	DF42T3	4	5	1140	29000	27000	24000	20400	87	290	n/a	✓	n/a	✓
48	—	DF48K3	4	3	1140	28600	24400	20000	15900	94	265	n/a	✓	n/a	✓
	—	DF48P3	4	3	870	28700	24200	18500	10000	87	310	n/a	✓	n/a	✓
—	DF48Z3	4	5	1150	33000	29750	25300	18000	87	320	n/a	✓	n/a	✓	

DUCT FAN GUARDS

FAN SIZE	CATALOG NUMBER
12"	DFG12
15"	DFG15
18"	DFG18
24"	DFG24
27"	DFG27
30"	DFG30
34"	DFG34
36"	DFG36
42"	DFG42
48"	DFG48

BELT GUARDS FOR DFB MODEL

FAN SIZE	CATALOG NUMBER
12"	BG-12
15"	BG-15
18"	BG-18
24"	BG-24
27"	BG-27
30"	BG-30
34"	BG-34
36"	BG-36
42"	BG-42
48"	BG-48

NOTE: When ordering, add suffixes as follows:
Totally Enclosed = TE; Explosion Proof = EXP

TUBE AXIAL BELT DRIVE DUCT FANS



The ultimate in positive elimination of smoke, fumes and vapors through duct work in paint spray booths and other hazardous locations.

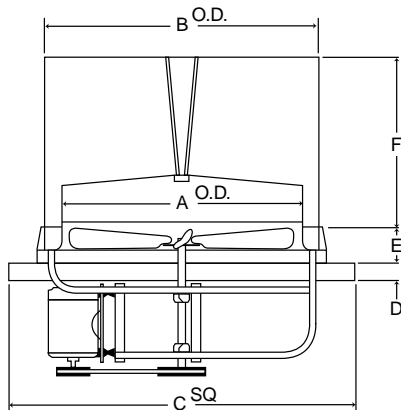
- Completely enclosed ball bearing housing. Should be used for dry air only. (Contact factory for wet air application).
- Fan can be installed to operate in any position.
- Propellers non-sparking cast aluminum.
- Fan housing is heavy gauge steel with angle iron rings welded on each end for superior strength. Eight holes in angle rings for easy mounting.
- Air tight cylinder in center of drum protects belts, sheaves, and bearings from contaminated air.
- Adjustable motor base provides for proper belt tension.
- Bearings - sealed ball bearings with external grease fittings.
- Motors - only high quality industrial motors are used. Fans with motors are completely assembled, drives properly adjusted and fan tested at factory before shipping. Motors are available in totally enclosed and explosion proof.
- Cast steel and aluminum steel sheaves.

Ordering Summary

DIA.	1-PHASE		NO.				CFM-STATIC PRESSURE				DB@ 10'	SHIP WT. (LBS.)	OPEN DRIP PROOF		TOTALLY ENCLOSED		EXPLOSION PROOF	
	115/230V-60HZ	230/460V-60HZ	BLADES	HP	RPM	0"	Z _V "	Z _X "	C _V "	1PH.			3PH.	1PH.	3PH.	1PH.	3PH.	
	CATALOG NO.	CATALOG NO.																
12"	DFB12G	DFB12G3	4	1/4	2625	1180	500	—	—	77	68	✓	✓	✓	✓	✓	✓	
	DFB12I	DFB12I3	4	1/2	3400	1900	1700	1400	1000	83	72	✓	✓	✓	✓	✓	✓	
15"	DFB15G	DFB15G3	6	1/4	1880	2800	2000	1000	—	77	73	✓	✓	✓	✓	✓	✓	
	DFB15H	DFB15H3	6	1/3	1990	3000	2100	1000	—	78	75	✓	✓	✓	✓	✓	✓	
	DFB15I	DFB15I3	6	1/2	1880	3350	2650	1550	—	76	80	✓	✓	✓	✓	✓	✓	
	DFB15J	DFB15J3	6	3/4	1990	3900	3400	2700	1150	78	95	✓	✓	✓	✓	✓	✓	
18"	DFB18G	DFB18G3	4	1/4	1725	3450	2500	—	—	76	80	✓	✓	✓	✓	✓	✓	
	DFB18H	DFB18H3	6	1/3	1725	3750	3050	1200	—	77	85	✓	✓	✓	✓	✓	✓	
	DFB18I	DFB18I3	6	1/2	1880	4250	3720	1720	—	78	95	✓	✓	✓	✓	✓	✓	
	DFB18K	DFB18K3	6	1	1880	4600	4080	3000	2100	77	115	✓	✓	✓	✓	✓	✓	
24"	DFB18L	DFB18L3	6	1 1/2	1990	5350	4830	3950	3000	80	120	✓	✓	✓	✓	✓	✓	
	DFB24I	DFB24I3	4	1/2	1298	5650	4826	3500	—	78	125	✓	✓	✓	✓	✓	✓	
	DFB24J	DFB24J3	6	3/4	1590	6900	5900	4650	2750	80	130	✓	✓	✓	✓	✓	✓	
	DFB24K	DFB24K3	6	1	1725	7450	6350	5000	3300	84	145	✓	✓	✓	✓	✓	✓	
	DFB24L	DFB24L3	6	1 1/2	1530	8200	7600	6800	—	81	150	✓	✓	✓	✓	✓	✓	
	DFB24M	DFB24M3	6	2	1590	9300	8750	7200	4720	82	170	✓	✓	✓	✓	✓	✓	
27"	—	DFB24P3	6	3	1725	10700	10100	9300	8000	86	185	n/a	✓	n/a	✓	n/a	✓	
	DFB27I	DFB27I3	4	3/4	1250	7500	6500	—	—	78	135	✓	✓	✓	✓	✓	✓	
	DFB27K	DFB27K3	4	1	1400	9600	8400	7050	4800	82	155	✓	✓	✓	✓	✓	✓	
	DFB27L	DFB27L3	6	1 1/2	1600	10800	9700	8375	6000	84	160	✓	✓	✓	✓	✓	✓	
30"	DFB27M	DFB27M3	6	2	1350	11500	10700	9300	6800	81	210	✓	✓	✓	✓	✓	✓	
	DFB30I	DFB30I3	4	1/2	1600	8980	6300	3400	—	79	140	✓	✓	✓	✓	✓	✓	
	DFB30L	DFB30L3	6	1 1/2	1035	11100	9700	7500	3500	79	165	✓	✓	✓	✓	✓	✓	
	DFB30M	DFB30M3	6	2	1176	12300	10900	9000	6900	81	200	✓	✓	✓	✓	✓	✓	
34"	—	DFB30P3	6	3	1360	13400	12400	11400	10300	84	215	n/a	✓	n/a	✓	n/a	✓	
	DFB34L	DFB34L3	4	1 1/2	1170	13600	11100	6000	1000	82	175	✓	✓	✓	✓	✓	✓	
	DFB34M	DFB34M3	4	2	1027	14600	12500	10000	8000	81	210	✓	✓	✓	✓	✓	✓	
42"	—	DFB34P3	6	3	1175	17500	15800	14000	12000	85	275	n/a	✓	n/a	✓	n/a	✓	
	DFB42M	DFB42M3	4	2	820	20700	17000	11400	4000	80	260	✓	✓	✓	✓	✓	✓	
	—	DFB42P3	4	3	890	23700	20000	71000	9950	82	275	n/a	✓	n/a	✓	n/a	✓	
48"	—	DFB42T3	4	5	850	26900	24000	22000	18000	82	325	n/a	✓	n/a	✓	n/a	✓	
	—	DFB48G3	6	5	800	33000	29000	25600	20000	85	375	n/a	✓	n/a	✓	n/a	✓	
	—	DFB48H3	6	7 1/2	900	37000	34500	31000	27000	87	430	n/a	✓	n/a	✓	n/a	✓	

* NOTE: When ordering, add suffixes as follows: Open Drip Proof = ODP; Totally Enclosed = TE; Explosion Proof = EXP

BELT DRIVE ROOF VENTILATORS



- Standard props are heavy gauge steel.
- Belt drive heavy duty industrial construction.
- Totally enclosed motor standard. ODP optional.
- Low noise level.
- Rolled inlet venturi for efficient air flow.
- Butterfly damper axles pivot on self-lubricating nylon bearings.
Damper edge tapered for weather seal.
- Wind band is 18 gauge galvanized with 2" double rolled edge top and bottom for added strength.
- Rubber shim under dampers for better seal.
- Rubber damper stops for quiet operation.
- Acid resistant coatings available. Consult factory for pricing.
- Back draft dampers can be provided in curb base only.
- Size of roof opening to be 6" larger than fan size (B dimensions).
- For explosion proof models, consult factory representative.

Dimensions

FAN SIZE	A	B	C	D	E	F
24"	25"	30"	39"	2 1/2"	3"	19"
30"	31"	36"	45"	2 1/2"	3"	22"
36"	37"	42"	51"	2 1/2"	3"	25"
42"	43"	48"	57"	2 1/2"	3"	27"
48"	49"	54"	63"	2 1/2"	3"	30"
54"	55"	60"	69"	2 1/2"	3"	36"
60"	61"	66"	75"	2 1/2"	3"	42"

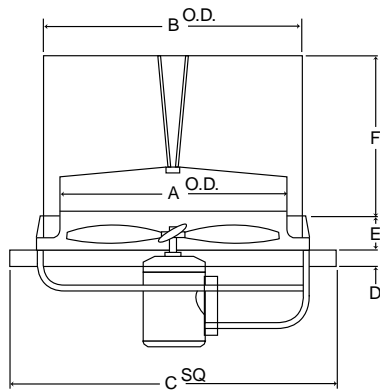
Ordering Summary

1-PHASE 115/230V		3-PHASE 230/460V		FAN RPM	CFM-STATIC PRESSURE					APPROX DB@ SHP.		ODP		TE	
MODEL NO.	MODEL NO.	SIZE	HP		0"	1/2"	1/2"	3/4"	1"	10'	WT.	1PH.	3PH.	1PH.	3PH.
RVB24131	RVB24133	24	1/3	850	4940	4180				64	300	✓	✓	✓	✓
RVB24121	RVB24123	24	1/2	980	5650	5080	4320	4010		66	350	✓	✓	✓	✓
RVB24341	RVB24343	24	3/4	1140	6620	6110	5410	5090	4370	71	308	✓	✓	✓	✓
RVB30121	RVB30123	30	1/2	675	7650	—	—	—	—	64	345	✓	✓	✓	✓
RVB30341	RVB30343	30	3/4	770	8710	7830	—	—	—	66	355	✓	✓	✓	✓
RVB3011	RVB3013	30	1	850	9690	8830	7650	—	—	71	365	✓	✓	✓	✓
RVB36341	RVB36343	36	3/4	570	11160	—	—	—	—	68	365	✓	✓	✓	✓
RVB3611	RVB3613	36	1	630	12350	11020	—	—	—	70	385	✓	✓	✓	✓
RVB4211	RVB4213	42	1	580	15100	—	—	—	—	69	570	✓	✓	✓	✓
RVB421121	RVB421123	42	1 1/2	660	17290	15670	—	—	—	71	585	✓	✓	✓	✓
RVB4221	RVB4223	42	2	735	19010	18130	16640	—	—	74	595	✓	✓	✓	✓
—	RVB4233	42	3	840	21850	21020	19950	18290	16620	79	615	n/a	✓	n/a	✓
RVB481121	RVB481123	48	1 1/2	545	21280	19370	—	—	—	72	720	✓	✓	✓	✓
RVB4821	RVB4823	48	2	600	23420	21750	19380	—	—	74	730	✓	✓	✓	✓
—	RVB4833	48	3	685	26790	25360	23370	21090	19090	80	740	n/a	✓	n/a	✓
—	RVB5433	54	3	570	32110	30020	27360	23940	—	80	910	n/a	✓	n/a	✓
—	RVB5453	54	5	675	37900	36290	34200	31540	28880	82	930	n/a	✓	n/a	✓
—	RVB6033	60	3	450	34660	31920	—	—	—	84	1050	n/a	✓	n/a	✓
—	RVB6053	60	5	535	40940	38950	35620	31820	—	86	1050	n/a	✓	n/a	✓
—	RVB607123	60	7 1/2	610	46780	45220	42750	39420	35625	88	1115	n/a	✓	n/a	✓

NOTE: When ordering, add suffixes as follows:
Open Drip Proof = ODP; Totally Enclosed = TE

All units are made to order and are not returnable.

DIRECT DRIVE ROOF VENTILATORS



- Cast aluminum blades.
- Direct drive, heavy duty industrial construction.
- Totally enclosed motors standard. Open drip proof and explosion proof optional.
- Rolled inlet venturi for efficient air flow.
- Utilizes heavy duty construction.
- Butterfly damper axle pivots on self lubricating nylon bearings. Damper edge tapered for weather seal.
- Wind band is 18 gauge galvanized with 2" double rolled edge top and bottom for added strength.
- Rubber shim under dampers for better seal.
- Rubber damper stops for quiet operation.
- Acid resistant coatings available. Consult factory for pricing.
- Back draft dampers can be provided in curb base only.
- Size of roof opening to be 6" larger than fan size (B dimension).

Dimensions

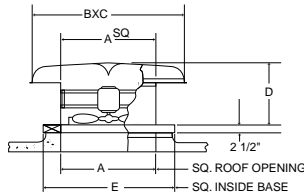
FAN SIZE	A	B	C	D	E	F
18"	19	24	33	2 1/2"	3	16
24"	25	30	39	2 1/2"	3	19
30"	31	36	45	2 1/2"	3	22
36"	37	42	51	2 1/2"	3	25
42"	43	48	57	2 1/2"	3	27
48"	49	54	63	2 1/2"	3	32

Ordering Summary

1-PHASE		3-PHASE		FAN SIZE	MOTOR HP	FAN RPM	CFM-STATIC PRESSURE				db @10'	SHP. WT.	ODP		TE		EXP	
115/230V	230/460V	MODEL NO.	MODEL NO.				0"	1/8"	1/4"	1/2"			1PH.	3PH.	1PH.	3PH.	1PH.	3PH.
RVD18141	RVD18143	18"	1/4	1200	2870					66	170	✓	✓	✓	✓	✓	✓	
RVD18131	RVD18133	18"	1/3	1800	3200	2850	2600			75	174	✓	✓	✓	✓	✓	✓	
RVD18121	RVD18123	18"	1/2	1800	4100					76	177	✓	✓	✓	✓	✓	✓	
RVD1811	RVD1813	18"	1	1800	4370	4160	3880			77	180	✓	✓	✓	✓	✓	✓	
RVD24141	RVD24143	24"	1/4	1200	4560					75	270	✓	✓	✓	✓	✓	✓	
RVD24341	RVD24343	24"	3/4	1200	6390	5320				76	280	✓	✓	✓	✓	✓	✓	
RVD2411	RVD2413	24"	1	1800	7075	6550	6160	4960		83	300	✓	✓	✓	✓	✓	✓	
-	RVD2433	24"	3	1800	9970	9590	9210	8220		85	330	n/a	✓	n/a	✓	n/a	✓	
RVD30341	RVD30343	30"	3/4	1200	8532	7530				79	355	✓	✓	✓	✓	✓	✓	
-	RVD3013	30"	1	900	8550					74	360	n/a	✓	n/a	✓	n/a	n/a	
-	RVD301123	30"	1 1/2	1200	11000					81	370	n/a	✓	n/a	✓	n/a	✓	
-	RVD3023	30"	2	1200	11400	10160	8930			82	380	n/a	✓	n/a	✓	n/a	✓	
-	RVD3033	30"	3	1800	12350	11780	11110	9500		89	381	n/a	✓	n/a	✓	n/a	✓	
-	RVD3053	30"	5	1800	16860					91	400	n/a	✓	n/a	✓	n/a	✓	
-	RVD3623	36"	2	900	14150	11780	10920			78	530	n/a	✓	n/a	✓	n/a	n/a	
-	RVD3623A	36"	2	1200	13110					84	530	n/a	✓	n/a	✓	n/a	✓	
-	RVD3633	36"	3	1200	18240	17000	16340	10540		85	540	n/a	✓	n/a	✓	n/a	✓	
-	RVD3653	36"	5	1200	19000					87	550	n/a	✓	n/a	✓	n/a	✓	
-	RVD4223	42"	2	1200	17000	15050				88	635	n/a	✓	n/a	✓	n/a	✓	
-	RVD4253	42"	5	900	22000	24220	22800	20900		88	670	n/a	✓	n/a	✓	n/a	n/a	
-	RVD4253A	42"	5	1200	25650					86	670	n/a	✓	n/a	✓	n/a	✓	
-	RVD427123	42"	7 1/2	900	28970	27930	26885	23750		89	705	n/a	✓	n/a	✓	n/a	n/a	
-	RVD4833	48"	3	1200	24700	22990	20420			89	800	n/a	✓	n/a	✓	n/a	✓	
-	RVD4853	48"	5	900	25000	22420	20420			92	800	n/a	✓	n/a	✓	n/a	n/a	
-	RVD487123	48"	7 1/2	900	33440					87	810	n/a	✓	n/a	✓	n/a	n/a	
-	RVD487123A	48"	7 1/2	1200	36220					94	815	n/a	✓	n/a	✓	n/a	✓	
-	RVD48103	48"	10	900	38950	33250	31160	26500		88	825	n/a	n/a	n/a	✓	n/a	n/a	
-	RVD48103A	48"	10	1200	35150	37050	36290	33720		95	860	n/a	✓	n/a	✓	n/a	✓	

Note: Add TE to part number for totally enclosed. Add ODP to part number for open drip proof.
 Add EXP to part number for explosion proof. All units are made to order and are not returnable.

BELT DRIVE HOODED ROOF VENTILATORS



- Standard props are heavy gauge steel.
- Aluminum propellers with static free belts for ex. proof
- Used for exhaust or supply applications.
- Heavy industrial steel base with aluminum hood.
- Bird screen included at top of housing.
- Self aligning pillow block bearings with locking collars.
- Industrial quality motor, factory assembled, tested and adjusted, ready to install.
- Roof curbs: flat, single slope or ridge, back draft damper optional.
- Other accessories or options: filters, protective coatings, variable pitch pulleys (consult factory).

Dimensions

FAN SIZE	A	BxC	D	E
24	30	54x64	30	39
30	36	60x76	36	45
36	42	72x82	40	51
42	48	80x89	43	57
48	54	87x95	46	63
54	60	90x108	54	69
60	66	92x120	56	75

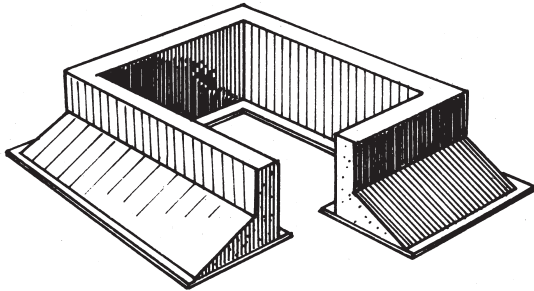
Ordering Summary

1-PHASE 115/230V MODEL NO.	3-PHASE 230/460V MODEL NO.	FAN SIZE	MOTOR HP	FAN RPM	CFM-STATIC PRESSURE				SHIP WT. (LBS.)	LIST			
					0"	1/4"	1/2"	3/4"		EXHAUST 1PH.	3PH.	INTAKE 1PH.	3PH.
HVD24141	HVD24143	24	1/4	780	4222	2807	1576	800	171	✓	✓	✓	✓
HVD24121	HVD24123	24	1/2	980	5716	5061	4043	2600	180	✓	✓	✓	✓
HVD24341	HVD24343	24	3/4	1140	6648	6144	5518	4413	189	✓	✓	✓	✓
HVD2411	HVD2413	24	1	1250	6696	6271	5600	4464	243	✓	✓	✓	✓
HVD30131	HVD30133	30	1/3	595	6380	3617	1808	767	229	✓	✓	✓	✓
HVD3121	HVD30123	30	1/2	640	7170	4486	2724	1373	238	✓	✓	✓	✓
HVD3034	HVD30343	30	3/4	770	9192	7657	5108	3833	243	✓	✓	✓	✓
HVD3011	HVD3013	30	1	975	9959	8626	6828	5184	252	✓	✓	✓	✓
HVD301121	HVD301123	30	1 1/2	1140	11112	9656	8135	5539	261	✓	✓	✓	✓
HVD36131	HVD36133	36	1/3	460	6992	3722	1825	496	274	✓	✓	✓	✓
HVD36121	HVD36123	36	1/2	530	8821	5985	3642	2084	279	✓	✓	✓	✓
HVD36341	HVD36343	36	3/4	605	10583	8563	5545	4170	283	✓	✓	✓	✓
HVD3611	HVD3613	36	1	665	11932	10099	7913	5729	292	✓	✓	✓	✓
HVD361121	HVD361123	36	1 1/2	720	12012	10519	7743	5800	301	✓	✓	✓	✓
HVD3621	HVD3623	36	2	870	14088	11942	9691	6388	315	✓	✓	✓	✓
HVD42121	HVD42123	42	1/2	390	9352	4957	3050	1642	369	✓	✓	✓	✓
HVD42341	HVD42343	42	3/4	435	11530	7633	4847	3311	373	✓	✓	✓	✓
HVD4211	HVD4213	42	1	490	13194	10438	6414	4668	378	✓	✓	✓	✓
HVD421121	HVD421123	42	1 1/2	550	15921	13117	9980	7289	387	✓	✓	✓	✓
HVD4221	HVD4223	42	2	725	19128	17503	15264	11319	405	✓	✓	✓	✓
—	HVD4233	42	3	830	20984	19406	17290	11498	423	n/a	✓	n/a	✓
HVD48341	HVD48343	48	3/4	370	13700	7389	4280	2244	495	✓	✓	✓	✓
HVD4811	HVD4813	48	1	410	16078	10903	6378	4037	504	✓	✓	✓	✓
HVD481121	HVD481123	48	1 1/2	465	19010	14991	10950	7081	508	✓	✓	✓	✓
HVD4821	HVD4823	48	2	550	21993	19080	15532	10125	513	✓	✓	✓	✓
—	HVD4833	48	3	680	23615	20820	16930	12400	531	n/a	✓	n/a	✓
—	HVD4853	48	5	800	29290	27380	25000	18590	540	n/a	✓	n/a	✓
HVD5411	HVD5413	54	1	410	20588	17500	11640	9600	562	✓	✓	✓	✓
HVD541121	HVD541123	54	1 1/2	450	22600	19300	12780	10316	567	✓	✓	✓	✓
HVD5421	HVD5423	54	2	480	24312	20660	13642	11010	585	✓	✓	✓	✓
—	HVD5433	54	3	500	25880	21730	15420	11600	590	n/a	✓	n/a	✓
—	HVD5453	54	5	660	32891	30208	26518	17400	603	n/a	✓	n/a	✓
HVD6011	HVD6013	60	1	250	19161	12850	—	—	603	✓	✓	✓	✓
HVD601121	HVD601123	60	1 1/2	340	23203	15624	11434	8000	612	✓	✓	✓	✓
HVD6021	HVD6023	60	2	390	26710	17724	13118	9380	621	✓	✓	✓	✓
—	HVD6033	60	3	450	32256	25224	18705	15013	639	n/a	✓	n/a	✓
—	HVD6053	60	5	540	35819	29000	23237	17000	670	n/a	✓	n/a	✓
—	HVD6073	60	7	620	43981	40350	32887	24500	750	n/a	✓	n/a	✓

NOTE: When ordering, add suffixes as follows:
Exhaust = E; Intake = I

All units are made to order and are not returnable.

INSULATED ROOF CURBS

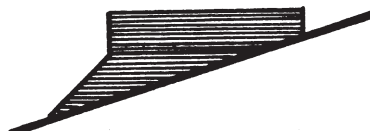


- Used with RVB, RVD and HVD roof ventilators.
- For all types of roof construction.
- For flat, single slope or ridge style roofs.
- Galvanized steel construction.
- 1 1/2" Insulation thickness, 3 pound density.
- Low silhouette 8" height overall.
- Back draft damper consists of a horizontal shutter. Use with built up roof curb. Shutter mounts beneath fan housing to provide an additional weather seal.

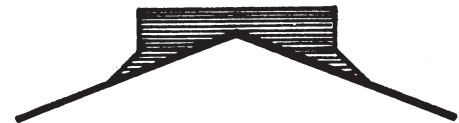
Available in flat, sloped or ridge style installation



Flat Style



Slope Style



Ridge Style

NOTE: Roof pitch and style must be specified when roof curb order is entered.

Ordering Summary

FAN SIZE	ORDER NUMBER			TOP BASE DIMENSION	OVERALL DIMENSION
	FLAT	SLOPED	RIDGE		
18"	FRC18	SRC18	RRC18	32" x 32"	44" x 44"
24"	FRC24	SRC24	RRC24	38" x 38"	50" x 50"
30"	FRC30	SRC30	RRC30	44" x 44"	56" x 56"
36"	FRC36	SRC36	RRC36	50" x 50"	62" x 62"
42"	FRC42	SRC42	RRC42	56" x 56"	68" x 68"
48"	FRC48	SRC48	RRC48	62" x 62"	74" x 74"
54"	FRC54	SRC54	RRC54	68" x 68"	80" x 80"
60"	FRC60	SRC60	RRC60	74" x 74"	86" x 86"

Ordering Summary

FAN SIZE	DESCRIPTION	ORDER NUMBER	SHUTTER SIZE
18"	Back-draft Damper	BDS18	28" X 28"
24"	Back-draft Damper	BDS24	34" X 34"
30"	Back-draft Damper	BDS30	40" X 40"
36"	Back-draft Damper	BDS36	46" X 46"
42"	Back-draft Damper	BDS42	52" X 52"
48"	Back-draft Damper	BDS48	58" X 58"
54"	Back-draft Damper	BDS54	64" X 64"
60"	Back-draft Damper	BDS60	70" X 70"

Note: Roof pitch and style must be specified when roof curb order is entered.

Back-draft Dampers To Fit In Curb

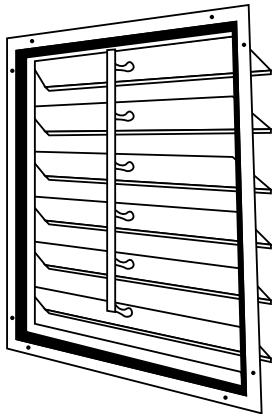
Ordering Summary

FAN SIZE	DESCRIPTION	ORDER NUMBER	SHUTTER SIZE
18"	Motorized Damper	BDMP1	28" x 28"
24"	Motorized Damper	BDMP1	34" x 34"
30"	Motorized Damper	BDMP1	40" x 40"
36"	Motorized Damper	BDMP1	46" x 46"
42"	Motorized Damper	BDMP2	52" x 52"
48"	Motorized Damper	BDMP2	58" x 58"
54"	Motorized Damper	BDMP3	64" x 64"
60"	Motorized Damper	BDMP3	70" x 70"

Note:
RVB & RVD models require higher curb height. When using Back-draft Dampers.

Motor Packs
115V or 230V, 60Hz, 1Ø
Specify Voltage

HEAVY DUTY EXHAUST SHUTTER



- Air Open — Gravity Close
- All Aluminum
- Bronze bearings
- Weather stripping for tighter seal
- Not recommended for use with LPE & BE Series fans.

Ordering Summary

FAN SIZE	ORDER NUMBER	ROUGH OPENING	OVERALL SIZE	SHIPPING WT.
12"	WS12	12" x 12"	15" x 15"	4 lbs.
16"	WS16	16" x 16"	19" x 19"	5 lbs.
20"	WS20	20" x 20"	23" x 23"	7 lbs.
24"	WS24	24" x 24"	27" x 27"	9 lbs.
30"	WS30	30" x 30"	33" x 33"	12 lbs.
36"	WS36	36" x 36"	39" x 39"	15 lbs.
42"	WS42	42" x 42"	45" x 45"	24 lbs.
48"	WS48	48" x 48"	51" x 51"	29 lbs.
60"	WS60	60" x 60"	63" x 63"	44 lbs.

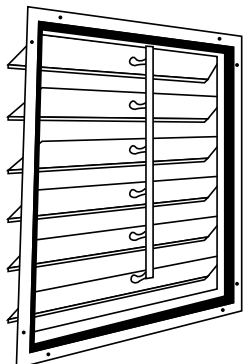
Motor Kit

- Used to open WS Shutter when shutter is used to provide make-up air (WS Shutter should be one size larger than exhaust fan size and should be located on opposite wall for best results)
- Used when conditions require positive closure of WS exhaust shutter when not in use
- 115V, 230V, 60 HZ 1 Dual Voltage.
- Not recommended for use with LPE & BE Series fans.

Motor Kit Ordering Summary

ORDER NUMBER	DESCRIPTION	SHIPPING WT.
MP1	For shutter sizes 12" thru 30"	5 lbs.
MP2	For shutter sizes 36" thru 60"	5 lbs.

MOTORIZED SUPPLY AIR INTAKE SHUTTER

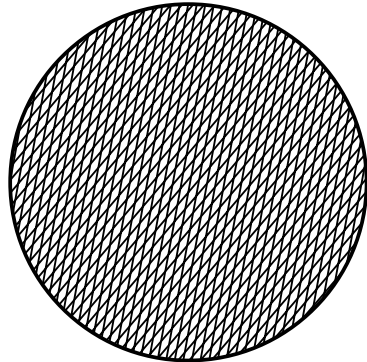


- Used when shutter is to be mounted adjacent to wall mounted intake fan.

Ordering Summary

FAN SIZE	ORDER NUMBER	ROUGH OPENING	OVERALL SIZE	SHIPPING WT.
24"	WSHM24	24" x 24"	27" x 27"	14 lbs.
30"	WSHM30	30" x 30"	33" x 33"	17 lbs.
36"	WSHM36	36" x 36"	39" x 39"	20 lbs.
42"	WSHM42	42" x 42"	45" x 45"	29 lbs.
48"	WSHM48	48" x 48"	51" x 51"	34 lbs.
60"	WSHM60	60" x 60"	63" x 63"	49 lbs.

FRONT FAN GUARDS

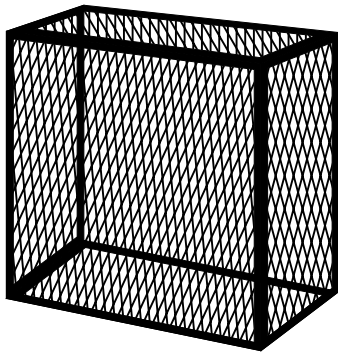


- For WEB and WED Models
- 1" Larger than blade diameter
- Meets OSHA requirements
- Factory mounted
- Heavy duty circular guard

Ordering Summary

FAN SIZE	FG FRONT GD.
12"	FG12
16"	FG16
20"	FG20
24"	FG24
30"	FG30
36"	FG36
42"	FG42
48"	FG48
60"	FG60

REAR BOX FAN GUARDS

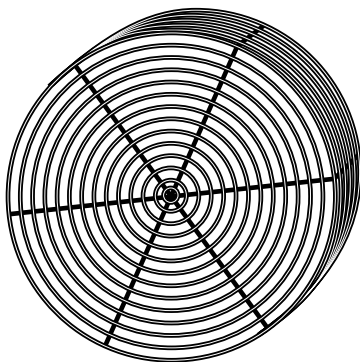


- Guards bolt to fan venturi
- Meets OSHA requirements
- Guards ship knocked down for easy installation
- Welded wire construction
- Not for use with BE Series fans or roof ventilators

Ordering Summary

FAN SIZE	RBG REAR BOX GUARD	STD. MOTOR DEPTH DIMENSION	EXP. MOTOR DEPTH DIMENSION
12"	RBG12	12"	15"
16"	RBG16	12"	15"
20"	RBG20	12"	15"
24"	RBG24	18"	18"
30"	RBG30	18"	18"
36"	RBG36	20"	20"
42"	RBG42	20"	20"
48"	RBG48	24"	24"
60"	RBG60	26"	26"

SPIRAL FRONT OR REAR FAN GUARDS



- For WED Model Only
- For use as either front or rear guard
- Economical wire construction meets OSHA requirements
- Front guard bolts to venturi

Ordering Summary

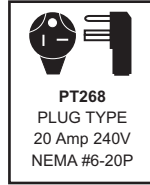
FAN SIZE	FSG - FRONT SPIRAL	RSG - REAR SPIRAL
12"	FSG12	RSG12
16"	FSG16	RSG16
20"	FSG20	RSG20
24"	FSG24	RSG24

- Rear guard installed at factory can not be added in the field
- 36", 42", 48", and 60" Front and rear spiral guards are not available - Use front guard and rear box guard for these models

240 VOLT PORTABLE ELECTRIC UNIT HEATER



PT268



- Adjustable, automatic thermostat.
- Efficient fan-forced heat.
- Safety overload switch with caution light.
- Heater automatically shuts off if unit overheats.

- Live power signal light.
- Full one-year warranty.
- Ships with 6' grounded cord and plug.

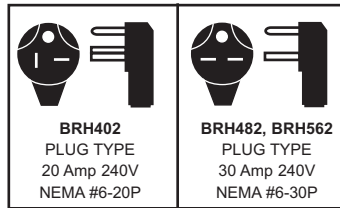
Ordering Summary

ORDER NO.	VOLTS	WATTS	BTU/HR	AMPS
PT268	240	4000	13,648	16.7

“CONTRACTOR’S BUDDY” PORTABLE ELECTRIC UTILITY HEATER



BRH



- Industrial finger proof, steel intake and discharge grilles.
- Red Finish
- Steel spiral fin brazed to metal sheathed element for maximum heat transfer.
- Quite
- Permanently lubricated motor.
- BRH-562 has continuous fan feature.
- 6' grounded cord and plug.

Ordering Summary

ORDER NO.	VOLTS	WATTS	BTU/HR	AMPS
BRH402	240/208	4000/3000	13,650/10,238	16.7/14.1
BRH482	240/208	4800/3600	16,380/12,285	20.0/17.3
BRH562	240/208	5600/4200	19,110/14,333	23.3/20.2

FAN FORCED PORTABLE ELECTRIC HEATERS



MMHD



- Two fan-forced heat settings for a full range of comfort.
- Automatic thermostat.
- Fan only setting.
- Tip over safety switch and thermal limit.
- 6' Grounded 3-prong cord and plug.
- 2-tone finish and chrome handle & guards.

Ordering Summary

ORDER NO.	VOLTS	WATTS	BTU/HR	AMPS
MMHD1502T	120	1500/1300	5120/4437	12.5/10.8



MCM



- 3 heat settings
 - 600W
 - 900W
 - 1500W
- Chromed safety grille.
- Automatic thermostat.
- Ceramic core element.
- Tip over safety switch and thermal limit.
- 3-prong 6' grounded cord & plug.

Ordering Summary

ORDER NO.	VOLTS	WATTS	BTU/HR	AMPS
MCM1503	120	1500	5120	12.5
		900	3072	7.5
		600	2048	5.0

PORTABLE CONVECTOR BASEBOARD HEATERS

Don't waste energy and heat rooms you aren't using. Maintain individual room control with portable electric convector heat — and get heat only in the places you want.



- 100% energy efficient. Heat is dissipated by large fins into a strong convection flow.
- Distinctively designed. High-impact Lexan end panels with built-in handles. Low profile enhances appearance and adds to the unit's overall stability.
- Safety thermal cutout protection.
- 2-year limited warranty.

Ordering Summary

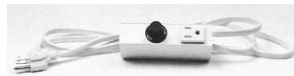
ORDER NUMBER	HEATER VOLTS	WATTS	BTU/HR	AMPS	LENGTH	SHIP WEIGHT
FBE15002	120	1000/1500	3413/5120	8.3/12.5	45"	11 lbs.

Heater is 7-1/2"H X 5-1/2"D with legs attached.



PORTABLE UNDER DESK RADIANT HEATER

An ideal, economical, safe way to provide warmth for anyone who sits at a desk, counter or table. The 202SLB gives personalized warmth where it's needed when it's needed. This amazing heater costs just one or two cents per hour to operate depending on local electricity rates. A slim, lightweight, white panel, designed to fit out of the way, mounting easily to the inside of the desk well or standing on its own feet. The heater is controlled with its own On/Off switch with indicator light.



An optional portable thermostat is available for use with any WorkWarmer™ "plug in" heater.

Ordering Summary

ORDER NUMBER	HEATER VOLTS	WATTS	AMPS	SIZE
202SLB	120	170	1.4	15H x 22W x 1D
MC202SLR	Master Carton of 6 pcs			
APT2	Thermostat			

Note: Includes 3-prong cord and plug.

PORTABLE ELECTRIC BLOWER HEATER

The high output, industrial grade, portable electric blower is a working monster. The PDH series heater can be left unattended without the threat of poisoning from combustion by-products, associated with fuel fired heaters.



- Heavy duty fintube metal heating element
- 10" pneumatic wheels for easy mobility.
- 10.0, 15.0, and 30.0 KW heat outputs available
- Voltages include 208, 240 and 480
- Fan only operation for summer cooling
- Single and three phase operation
- Safe to operate in unattended areas
- Optional cordsets and plugs available. Cords listed below. (If additional cords and plugs needed, see pg 46)
- Ceiling / wall bracket option available.

Ordering Summary

CATALOG NUMBER	VOLTS	KW	AMPS	BTUH	PHASE
PDH1021CKA*	240	10	41.7	34,120	1
PDH1021A	240	10	41.7	34,120	1-3
PDH1523A	240	15	36.3	51,180	3
PDH1543A	480	15	31.4/18.2	51,180	1-3
PDH3043A	480	30	36.3	102,360	1-3

*Model PDH1021CKA is shipped with power cord and plug.

Accessories

CATALOG NUMBER	DESCRIPTION	SHIP WT. (LB)
DHCWM	Ceiling and wall bracket can be used on all models	20 lbs
SCS25043	DH1521A	22 lbs
SCS10063	DH1021A (10ft long w/plug)	18 lbs
SCS25064	DH1583A, DH1523A, DH3043A	20 lbs
SCS25124	DH15443A	10 lbs

PHT SERIES HIGH TEMPERATURE ELECTRIC BLOWER HEATERS

- Drip proof, 1 hp motor with adjustable pulleys allowing for adjustable fan speeds
- 10" Pneumatic Tires
- Thermostat 60-180° F with provisions for interface with remote thermostat
- Fan Switch for fan only operation
- Contactor
- Control Transformer
- Temperature High Limit Cutout

APPLICATIONS

High BTU per hour heater without the exhaust fumes or moisture associated with gas heat. Comfort heating and process heating application up to 180° F. Can be operated unattended without risk of fire or need for refueling. Fan-only operation for air recirculation, fume exhaust, or fresh air supply. Dual thermostat operation. 120 volt control supply. 120 volt control transformer with pilot light. Over temperature limit protects unit from low air flow conditions. Powder coated corrosion resistant 20 gauge steel housing. 10" pneumatic wheels and 4" locking caster. Inlet and outlet flexible duct accessories available for ducting up to 165'. Adjustable damper accessory allows outlet temperature to be controlled.

Ordering Summary

CATALOG NUMBER	KW	VOLTAGE (3 PHASE)	AMPS	BTUH	TEMP RISE DEG F	DIMENSIONS	SHIP WT. (LB)
PHTB3043	30	480	37.2	102,236	35-88	44"L x 25.4"W x 38.5"H	150
PHTB3093	30	600	30.0	102,236	35-88	44"L x 25.4"W x 38.5"H	150
PHTB4843	48	480	58.9	163,776	59-141	44"L x 25.4"W x 38.5"H	160
PHTB4893	48	600	47.3	163,776	59-141	44"L x 25.4"W x 38.5"H	170
PHTB6043	60	480	73.3	204,720	70-172	44"L x 25.4"W x 38.5"H	170
PHTB6093	60	600	58.9	204,720	70-172	44"L x 25.4"W x 38.5"H	170

Accessories

CATALOG NUMBER	DESCRIPTION	SHIP WT. (LB)
PHTBFX20	20" Diameter Flexible Duct (25 feet)	45.0
PHTBDA20	20" diameter Adaptor Ring	20.0
PHTBSK20	20" diameter Splice Kit. Splice two or more 25ft. pcs.	40.0
PHTDDC	20" diameter duct clamp	3.0
PHTAD	Adjustable Damper	12.0



HAND CARRY PORTABLE INFRARED HEATERS (MODEL PL1511)

This type low watt density industrial infrared heater is designed to provide clean, odor-free heat for indoor and outdoor work stations and is a good source of heat for use in areas where dependence on air movement is impractical.



1.5KW Portable 4.5KW Portable

- Heavy duty hairpin metal sheath heating elements.
- UL and CUL approved
- 1.5, 2.0, and 4.5KW available
- Voltages include 120, 208, 240, 277, 480 and 600
- Single phase operation only
- 1500 watt 120 volt model has attached cord and plug
- Sturdy base assembly provides tip resistant design

Ordering Summary

CATALOG NUMBER	WATTS	VOLTS	PHASE	REFLECTOR ANGLE	ELEMENT TYPE	SHIP WT.
PL1511	1500	120	1	90° Symm	Metal Sheath	15 lbs

Note: This hand carry model includes cord and standard 2-prong grounding plug.

Ordering Summary

CATALOG NUMBER	WATTS	VOLTS	PHASE	REFLECTOR ANGLE	ELEMENT TYPE	SHIP WT.
PL2081		208				
PL2021		240			Metal Sheath	18 lbs
PL2071	2000	277	1	90° Symm		
PL2041		480				
PL2061		600				
PL4581		208				
PL4521		240			Metal Sheath	25 lbs
PL4571	4500	277	1	90° Symm		
PL4541		480				
PL4561		600				

Note: See chart below for optional cordsets and plug options.

Cords for PL, PM, and PN (Optional)

CATALOG NUMBER	FOR USE WITH HEATER MODELS	PHASE AND WIRE SIZE	AMPS
CS25143	For use with PN 1000 / 2000 Watt & PL 2000 Watt heaters	Single Phase, 14/3	9.6
CS25123	For use with PN 1500 / 2500 Watt & PM / PL 4500 Watt heaters	Single Phase, 12/3	21.6

Plugs for PL, PM, PN and DH Series Heaters (Optional)

CATALOG NUMBER	PLUG TYPE	FOR USE WITH HEATER MODELS	PHASE	AMPS
LPS25083	Locking	For use with PN series & PM / PL 2KW- 13.5KW and DH1543	Single phase	48.7
LPS25124	Locking	For use with PM 6KW & 13.5KW 208/240V	3 Phase	16.7
LPS25104	Locking	For use with PM 6KW & 13.5KW 480V and DH1543	3 Phase	18.2
LPS25084	Locking	For use with PM 6KW & 13.5KW 600V	3 Phase	37.5
LPS25064	Locking	For use with DH3043	3 Phase	36.3
NPS25650	Non Locking	For use with PN series & PM / PL 2KW & 6KW 208/240V	Single phase	40.8
NPS1550	Non Locking	For use with PM and PL 6KW & 13.5KW 208/240V	3 Phase	37.5

Optional Accessories - PM Safety Grilles & Hanging Kits

CATALOG NUMBER	QUANTITY REQUIRED	WIRE GUARDS FOR PM SERIES	SHIP WT.
PMWG2	1	Safety Grille Kit for Permanent installed 2KW heaters	3.0 lbs
PMWG45	1	Safety Grille Kit for Permanent installed 4.5KW heaters	3.0 lbs
PMWG60	1	Safety Grille Kit for Permanent installed 6KW heaters	3.5 lbs
PMWG135	1	Safety Grille Kit for Permanent installed 13.5KW heaters	14.0 lbs
PMHK	1	Hanging Kit to mount PM or PN heaters. Includes chain & hooks.	2 lbs

Optional Accessories - PM Rollaround Cart Kits

CATALOG NUMBER	QUANTITY REQUIRED	PORTABLE CART KITS FOR PM SERIES	SHIP WT.
PM45	1	Cart kit includes wheels, legs, handle, & hardware for 4.5kw hrs.(w/ safety grille)	7 lbs
PM60	1	Cart kit includes wheels, legs, handle, & hardware for 6 kw hrs.(w/ safety grille)	8 lbs
PM135	1	Cart kit includes wheels, legs, handle, & hardware for 13.5kw. (w/ safety grille)	8 lbs

Optional Accessories - For Infrared Heaters

CATALOG NUMBER	DESCRIPTION	KW	SHIP WT.
PDS60050	Power disconnect Kit for Fixed or Portable (M Series).	All KW Ratings	8 lbs
TOS240	Tip-Over Switch Kit for Fixed or Portable (M Series) 240V only*	6 or 13.5 KW ratings	15 lbs
TOS480	Tip-Over Switch Kit for Fixed or Portable (M Series) 480V only*	6 or 13.5 KW ratings	15 lbs
WMGF240	Wall Mounted Ground Fault Detection for 240V - Nema 4 encl.	All KW Ratings	17 lbs
WMGF480	Wall Mounted Ground Fault Detection for 480V - Nema 4 encl.	All KW Ratings	17 lbs



PM4.5 KW shown with optional grille and cart

INDUSTRIAL PERMANENT INFRARED HEATERS

This type portable low watt density industrial infrared heater is designed to provide clean, odor-free heat for indoor and outdoor work stations and is a good source of heat for use in areas where dependence on air movement is impractical.



- Heavy duty straight metal sheath element
- UL and CUL approved
- 1.0, 1.5, 2.0 and 2.5 KW heat outputs available
- Voltages include 120, 208, 240, 277 and 347
- Single phase operation only
- Heater can be washed down **AFTER BEING DISCONNECTED**
- Safety grilles available
- Min. Mounting Height: 8 Ft.

Ordering Summary

CATALOG NUMBER	WATTS	VOLTS	PHASE	REFLECTOR ANGLE	ELEMENT TYPE	SHIP WT.
PN1011		120				
PN1081	1,000	208	1	90° Symm	Metal Sheath	10 lbs
PN1021		240				
PN1511		120				
PN1581		208			Metal Sheath	
PN1521	1,500	240	1	90° Symm	Metal Sheath	15 lbs
PN1571		277				
PN1531		347				
PN2001		208				
PN2021	2,000	240	1	90° Symm	Metal Sheath	18 lbs
PN2071		277				
PN2031		347				
PN2501		208				
PN2521	2,500	240	1	90° Symm	Metal Sheath	20 lbs
PN2571		277				
PN2531		347				

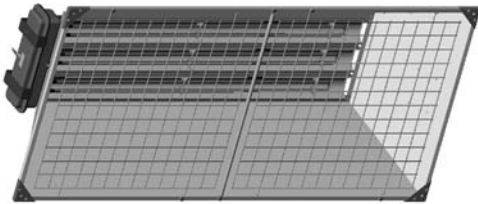
Note: Cordsets ordered separately, pg 46.

Optional Accessories - PN Wire Guards

CATALOG NUMBER	QTY	COMPATIBILITY	SHIPPING WEIGHT
PNWG01	1	For use with 1KW PN heaters	3 lbs
PNWG105	1	For use with 1.5 KW PN heaters	5 lbs
PNWG200	1	For use with 2.0 KW PN heaters	7 lbs
PNWG250	1	For use with 2.5 KW PN heaters	10 lbs

INDUSTRIAL INFRARED HEATERS

The higher watt density, industrial infrared heaters are designed to provide a rugged source of heat for use in areas where dependence on air movement is impractical. The PM Series infrared heaters are designed primarily for permanent mounting on the ceiling, but may be used in any orientation.



13.5 KW Fixed w/Optional Grille

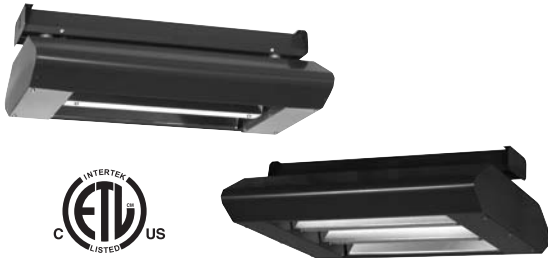
Ordering Summary

CATALOG NUMBER	WATTS	VOLTS	PHASE	REFLECTOR ANGLE	ELEMENT TYPE	SHIPPING WEIGHT
PM2081		208				
PM2021	2,000	240	1			18lbs.
PM2041		480				
PM2061		600				
PM4581		208				
PM4521	4,500	240	1			18lbs.
PM4541		480				
PM4561		600				
PM6083		208	1 and 3	90° Symm	Metal Sheath	
PM6023		240	1 and 3			
PM6071	6,000	277	1			25lbs.
PM6043		480	1 and 3			
PM6063		600	1 and 3			
PM13583		208	3			
PM13523		240	3			
PM13571	13,500	277	1			55lbs.
PM13543		480	1 and 3			
PM13563		600	1 and 3			

- Heavy duty U-bend metal sheath heating elements.
- For spot heating hang individually or in groups.
- Optional wire guard available for all units.
- Gasketed terminal box UL Listed for dust-tight and weather-proof applications.
- Heater can be washed down **AFTER BEING DISCONNECTED.**
- Optional cart kits available so that fixed heaters can be field converted to portable spot heaters. (See pg 46 for cordsets and optional accessories)

2 AND 3 ELEMENT INFRARED HEATERS

Total or supplement (spot) heating in commercial and industrial areas, assembly lines, aircraft hangers, outside smoking areas, work stations and shipping areas. Snow melting for waiting areas and entryways, stairs, parking lots, driveways and loading docks, smoking areas. Available with Stainless Steel or Painted Steel enclosure. Double element and three element heaters provide concentrated heating capacity in a single infrared radiant heater.



- Two or three element design
- Painted or stainless steel enclosure
- Heavy gauge gold anodized aluminum reflectors offer a wide section of beam patterns.
- **Easy Installation** - Attach upper mounting support to ceiling or optional wall bracket, rough in wiring and hang heater into place.

Type PRP – 20 gauge galvanized steel enclosure and heater support / wiring compartment painted in a Statuary Bronze powder coat finish.

Type PRS – Type 304, brush finished, 20 gauge, stainless steel enclosure and heater support / wiring compartment for applications requiring additional corrosion resistance.

ELEMENTS

- **Metal Sheath, Quartz Tube or Quartz Lamp elements** – used interchangeably provides the flexibility necessary for multiple application projects.
- **Metal sheathed elements** – used indoors, or outdoors protected from the wind, in areas where physical abuse is a problem.
- **Quartz Tube and Quartz Lamp** – used indoors and outdoors in areas where abuse is not a problem for snow melting and spot heating.
- Pigtail element leads for a more positive connection on applications where physical abuse is a problem.

Ordering Summary – 2 Element Enclosure

ORDER NUMBER		REFLECTOR ANGLE	DIMENSIONS			MAXIMUM WATTAGE			WT. lbs.(kg)
STAINLESS STEEL ENCLOSURE	PAINTED STEEL ENCLOSURE		HEIGHT in.(mm)	WIDTH in.(mm)	LENGTH in.(mm)	METAL SHEATH	QUARTZ TUBE	QUARTZ LAMP	
PRS223S	PRP223S	30 Sym							
PRS226S	PRP226S	60 Sym			24(610)	1700	2000	3200	19(8.6)
PRS226AS	PRP226AS	60 Asym							
PRS229S	PRP229S	90 Sym							
PRS233S	PRP233S	30 Sym							
PRS236S	PRP236S	60 Sym	7(181)	15(381)	33(838)	3000	3000	5000	24(10.9)
PRS236AS	PRP236AS	60 Asym							
PRS239S	PRP239S	90 Sym							
PRS243S	PRP243S	30 Sym							
PRS246S	PRP246S	60 Sym			46(1168)	4000	4000	7300	31(14.1)
PRS246AS	PRP246AS	60 Asym							
PRS249S	PRP249S	90 Sym							

(Enclosure only - Select appropriate element from element selection chart)

Ordering Summary – 3 Element Enclosure

ORDER NUMBER		REFLECTOR ANGLE	DIMENSIONS			MAXIMUM WATTAGE			WT. lbs.(kg)
STAINLESS STEEL ENCLOSURE	PAINTED STEEL ENCLOSURE		HEIGHT in.(mm)	WIDTH in.(mm)	LENGTH in.(mm)	METAL SHEATH	QUARTZ TUBE	QUARTZ LAMP	
PRS323S	PRP323S	30 Sym							
PRS326S	PRP326S	60 Sym			24(610)	2550	3000	4800	19(8.6)
PRS326AS	PRP326AS	60 Asym							
PRS329S	PRP329S	90 Sym							
PRS333S	PRP333S	30 Sym							
FR3236S	PRP336S	60 Sym	7(181)	21.5(546)	33(838)	4500	4500	7500	24(10.9)
PRS336AS	PRP336AS	60 Asym							
PRS339S	PRP339S	90 Sym							
PRS343S	PRP343S	30 Sym							
PRS346S	PRP346S	60 Sym			46(1168)	6000	6000	10950	31(14.1)
PRS346AS	PRP346AS	60 Asym							
PRS349S	PRP349S	90 Sym							

(Enclosure only - Select appropriate element from element selection chart)

2 AND 3 ELEMENT INFRARED HEATERS (CONT.)

Ordering Summary Element Selection

1 Element per carton

*** ORDER NO.	AVAILABLE VOLTS	ELEMENT		USED WITH FIXTURE	WT. lbs. (gr)
		WATTS	TYPE		
P2MS08***	208, 240, 277 347, 380, 480, 600	850	Metal Sheath	24" PRP*2	1(454)
P2QT10***	208, 240, 277,	1000	Quartz Tube	or	1 (454)
P2QL16***	208, 240, 277, 347, 380, 480, 600	1600	Quartz Lamp	PRS*2	1 (454)
P3MS15***	208, 240, 277, 347, 380, 480, 600	1500	Metal Sheath	33" PRP*3	1 (454)
P3QT15***	208, 240, 277,	1500	Quartz Tube	or	1 (454)
P3QL25***	208, 240, 277, 347, 380, 480, 600	2500	Quartz Lamp	PRS*3	1 (454)
P4MS20***	208, 240, 277, 347, 380, 480, 600	2000	Metal Sheath	46" PRP*4	1 (454)
P4QT20***	208, 240, 277, 347, 380, 480, 600	2000	Quartz Tube	or	1 (454)
P4QL36***	347, 380 480, 600	3650	Quartz Lamp	PRS*4	1 (454)

* 2 for 2 element enclosure

* 3 for 3 element enclosure

Optional Mechanical Accessories

ORDER NUMBER	DESCRIPTION	CARTON QTY	USED WITH FIXTURE	WT. lbs. (gr)
PWG22			PRS22 / PRP22	1 (454)
PWG23	Wire Guard		PRS23 / PRP23	1.5 (680)
PWG24	Protective safety screen helps	1	PRS24 / PRP24	2 (907)
PWG32	prevent objects coming in contact		PRS32 / PRP32	1.5 (680)
PWG33	with hot element.		PRS33 / PRP33	2 (907)
PWG34			PRS34 / PRP34	2.5(1134)
	Adjust Tilt Mounting Bracket			
PRPATMB	Replaces upper support bracket, allows fixture to be tilted for	1 Set	PRP Series	1 (454)
PRSATMB	precise pattern location in spot heating and perimeter applications.		PRS Series	
PRVS2	Red Vycor Sleeve		PRS*2 / PRP*2	
PRVS3	Reduces the light intensity of	1	PRS*3 / PRP*3	1 (454)
PRVS4	Quartz Lamps.		PRS*4 / PRP*4	

* 2 for 2 element enclosure

* 3 for 3 element enclosure

APPLICATION LIMITATIONS and PRECAUTIONS:

- Hazardous Atmosphere – These heaters are not suitable for use in hazardous locations.
- Mounting Clearances – Maintain minimum clearances of:
 - 24" (610 mm) to vertical side walls
 - 36" (914 mm) between heaters mounted side by side. Heaters may be mounted end to end.
 - 6" (152 mm) to ceiling
 - 84" (2134 mm) to floor.

Maintain at least 5 ft. (1.5 m), in radiant path, between bottom of heater and combustible material.

- Corrosive Atmospheres – The high quality finish and aluminized steel of the PRP series will give excellent service under normal to severe operating conditions, including coastal salt air and most industrial atmospheres. However for severe conditions such as swimming pool, green houses, etc., the PRS stainless steel enclosure should be used.

Optional Mechanical Accessories

ORDER NUMBER	DESCRIPTION	CARTON QTY	USED WITH FIXTURE	WT. lbs. (gr)
PRPWMB	Wall Mounting Bracket		PRP Series	
	Allows heater mounting along	1 Set		2 (907)
PRSWMB	wall at optimum application height.		PRS Series	

PLUG IN RADIANT HEATERS

Designed for supplemental indoor heating in residential and commercial areas; Laundry rooms, Work shops, Toll booths, Garages, Assembly areas, Loading and Shipping docks and Well houses.



- All heaters have Quartz Tube elements and 3 prong cord set.
- Six models, at two voltages, provided a wide range of heating capacities from 500 to 5700 watts (1711 to 19,488 BTU/HR).
- Apply heat only where needed. Convenient ceiling chain mounting and cord set allows custom heating of only the areas being used. No need to waste energy heating the entire room or building.
- Model FRR11012B has gold anodized aluminum enclosure and reflector.

Ordering Summary

ORDER NUMBER	VOLTS	WATTS	REFLECTIVE ANGLE	DIMENSIONS			SHIP WT. lbs. (Kg)
				HEIGHT in. (mm)	WIDTH in. (mm)	LENGTH in. (mm)	
FRR10512B	120	500	60 Sym	4.65(118)	5.75(146)	16.75(426)	9(4.1)
FRR11012B	120	1000/500					

FRR11012B has switches for 500 or 1000 watt operation.



For commercial and industrial applications with Statuary Bronze painted steel enclosure and gold anodized reflector

Note: This model has a cord and plug

Ordering Summary

ORDER NUMBER	VOLTS	WATTS	REFLECTIVE ANGLE	DIMENSIONS			SHIP WT. lbs. (Kg)
				HEIGHT in. (mm)	WIDTH in. (mm)	LENGTH in. (mm)	
PRR41512	120	1500	60 Sym	3.375 (86)	5.5 (140)	45 (1168)	9 (4.1)
PRR53024	240	3000				57 (1448)	11 (5.0)



The versatility of these heaters is doubled... They can be mounted on the ceiling or they can be mounted on the optional cart and rolled to any location for maximum spot heating effect. Both heaters have switches for full or 50% operation. For commercial and industrial applications with Statuary Bronze powder coated steel enclosure and gold anodized reflector.

Note: These models have cords and plugs.

Ordering Summary

ORDER NUMBER	VOLTS	WATTS	REFLECTIVE ANGLE	DIMENSIONS			SHIP WT. lbs. (Kg)
				HEIGHT in. (mm)	WIDTH in. (mm)	LENGTH in. (mm)	
PRR22012	120	2000/1000	60 Sym	3.75 (95)	11 (280)	25 (637)	12 (5.5)
PRR35724	240	5700/2850			19 (484)	34 (866)	22 (10)

Optional Roll Around Cart Accessories

ORDER NUMBER	DESCRIPTION
PRRCART1	Cart to be used with PRR22012
PRRCART2	Cart to be used with PRR35724
Items below do not include cart	
PRRCMK1	Flat Bracket hardware for PMRR22012
PRRCMK2	Flat Bracket hardware for PMRR35724



SINGLE ELEMENT INFRARED HEATERS

Total or supplemental (spot) indoor heating in residential, commercial and light industrial areas, assembly lines, work stations, aircraft hangers, loading docks, and shipping areas.



- Painted Steel enclosure with gold anodized 60 degree symmetrical reflector and Quartz Tube element.
- For Indoor use, horizontal mounting.
- Mounts to ceiling with supplied chains or to wall using the optional FRP-WMB wall mounting bracket.
- High efficiency gold anodized reflector has one of the highest levels for radiating heat energy
- No moving parts, No noise, No maintenance, easy to install.
- Optional HWG wire guard provides a protective safety screen that helps prevent objects coming in contact with the hot element.

Ordering Summary

ORDER NUMBER	VOLTS	WATTS	REFLECTIVE ANGLE	DIMENSIONS			WT. lb (kg)
				HEIGHT in. (mm)	WIDTH in. (mm)	LENGTH in. (mm)	
PRK41512	120	1500					
PRK42020	208	2000					
PRK42024	240	2000					
PRK42027	277	2000				46 (1168)	9 (4.1)
PRK42034	347	2000					
PRK42048	480	2000					
PRK42060	600	2000	60 Sym	3.375 (86)	5.5 (140)		
PRK53020	208	3000					
PRK53024	240	3000					
PRK53027	277	3000				57 (1448)	11 (5.0)
PRK53034	347	3000					
PRK53048	480	3000					
PRK53060	600	3000					

APPLICATION LIMITATIONS and PRECAUTIONS:

- **Hazardous Atmosphere** – These heaters are **not** suitable for use in hazardous locations.
- **Indoor Use Only**
- **Mounting Clearances** – Maintain minimum clearances of:
 - 12" (305 mm) to vertical side walls
 - 36" (914 mm) between heaters mounted side by side. Heaters may be mounted end to end.
 - 3" (76 mm) to ceiling
 - 8' (2.4 m) to floor.

Maintain at least 5 ft. (1.5 m), in radiant path, between bottom of heater and combustible material.

- **Corrosive Atmospheres** – The high quality finish and steel internal sheet metal parts will give excellent service under most operating conditions, including coastal salt air and most industrial atmospheres. However, the finish is not intended for direct salt spray exposure in marine applications or highly corrosive greenhouse, swimming pool, chemical storage or industrial atmospheres.

Optional Mechanical Accessories

ORDER NUMBER.	DESCRIPTION	CARTON QTY	WT. lbs. (gr)
HWG46	Wire Guard	1	1 (454)
HWG57		1	1.5(680)

ELECTRIC CONTROL PANELS



- Nema 1 enclosure, UL / cUL listed and labeled control panel
- On / Off Control Switch
- Power ON Pilot Light
- Control Transformer with fused primary and secondary

CP Series Power Control Panels are factory wired for efficient installations, and include terminal blocks, On-Off selector switches, power ON pilot light, and a 24volt or 120volt control circuit. Panels are available for use in 208, 240, 277, 480, and 600 volt systems, with amp loads up to 40, 50, 100, 200, and 300 amps (inductive load - see chart below for resistive load rating).

Ordering Summary

ORDER NUMBER	DESCRIPTION	INDUCTIVE LOAD	SUPPLY VOLTAGE	CONTROL VOLTAGE	DIMENSIONS	SHIPPING WEIGHT
CP404801PT	Percentage Timer Panel, One 3 pole contactor	40A	208 - 480V	120V	14.5"H x 14.5"W x 7.5"D	45 lbs
CP404801CT	Time Delay Controller, One 3 pole contactor	40A	208 - 480V	120V	14.5"H x 14.5"W x 7.5"D	45 lbs
CP504801	Single 3 pole Contactor Panel	40A	208 - 480V	120V	14.5"H x 14.5"W x 7.5"D	45 lbs
CP1004801	Two 3 pole Contactor Panel	100A	208 - 480V	120V	14"H x 15"W x 7.75"D	55 lb
CP2004801	Four 3 pole Contactor Panel	200A	208 - 480V	120V	31.5"H x 18.2"W x 10"D	65 lb
CP3004801	Six 3 pole Contactor Panel	300A	208 - 480V	120V	36"H x 30"W x 7"D	70 lbs

Notes: Line fusing supplied by installer. Percentage Timer Panel for Metal Sheath Heaters only. Contact factory for 24volt control, 600volt supply, and Nema 4 enclosures.

TBX Mobile Warming™ PORTABLE ELECTRIC HEATERS

Heat where you need it!
When you need it!

The **TBX Series Mobile Warmer™** is a powerful portable heater. Made of heavy gauge steel and polyester powder coat paint. The unit also features a latched storage area on top for miscellaneous items such as tools and hardware or lunch. 10 inch diameter pneumatic wheels allow for easy rolling over obstacles to the spot where heat is needed.

APPLICATIONS

- Factories, Stores, Warehouses, Stockrooms
- Flood dry-out, Workshops, Repair Stations
- Building Construction, Drywall Dry-out
- Tent Heating, Greenhouse Heating, Frozen Pipe Thaw-out

- Heats lower to floor for natural convection
- Lower profile to prevent tipping
- Storage area under lid
- Rugged steel finned element construction
- High temperature safety limit
- Collapsible handle for easy transport & storage

FEATURES

- Includes 8 ft cord and NEMA 6-50P plug (requires NEMA 6-50R receptacle)
- Thermostat with positive off and fan only position (Range 40°F to 100°F)



(US Patented No. D559,962)

ORDER NUMBER	KW	VOLTAGE	AMPS	BTUH	DIMENSIONS	SHIP WT. (LB)
TBX104	9.5	240	39.6	32,424	28.5"H x 25"W x 18.5D	70
TBX754	7.5	240	31.2	52,598	28.5"H x 25"W x 18.5D	70

PHFP25 COMPACT FREEZE PROTECTION UNIT HEATER

Concealed Space Use
Zero Clearance
Plenum Rated

APPLICATIONS

Model PHFP25 is a unique application heater approved for installation in a concealed space, an area between a finished ceiling and drop ceiling, a plenum space, or inside a plenum. It may be installed in areas that are not readily accessible and may be installed for freeze protection.

FEATURES

- 18 ga. all steel casing with neutral grey polyester powder coat finish for corrosion protection
- Easy to install using the hanging bracket supplied
- Steel finned low watt density element. Fins and elements are arranged in a uniform grid pattern to assure that all incoming air passes through the heating element.
- High limit thermal cutout automatically shuts off current in the event of overheating and reactivates the heater when temperature returns to normal.
- Fan delay control
- Optional alarm (240V) to alert automatic thermal limit tripped. Model AFL240
- Built-in, heavy duty, contactor/relay
- Control Box gasketed to keep out moisture and dust. NEMA 12 construction
- Fan motor is totally enclosed, permanently lubricated and thermally protected
- Great air throw
- Single Point field wiring connection
- Weight: 26 lbs.
- Dimensions: 12"H X 14"W X 14"L



ORDER NUMBER	VOLTS	HZ	KW	PHASE	BTUH	CFM	FPM	RISE	AMPS	SHIP WT.
PHFP25	240	50/60	2.5	1	8530	150	1880	60°F	10.7	26lbs
	208	50/60	1.9		6398	130	1880	46°F	9.42	

(Thermostat temperature range: 40°F to 90°F with positive off)

PLENUM RATED UNIT HEATER - Concealed Space Use - Zero Clearance



MODEL DESCRIPTION

The BPH Plenum Rated heater is ETL design certified for plenum and concealed space applications. Applications include high rise buildings, concession stands, school bathrooms, lobbies and foyers, and to pre-heat outside air. This plenum heater is rated for zero clearance to any surfaces, including combustibles (wood trusses, wood framing), mounted next to the sides, top and bottom of metal cabinet.

FEATURES

- Compact size, zero clearance, design for horizontal installation
- Versatile full featured design with easy serviceability
- Rugged powder coated steel construction
- Fan only option
- Timed blower on / off delay

- Designed for horizontal installation
- External 24 volt thermostat control
- High limit thermal cutout - Automatic reset
- Pre-notched duct collar
- PSC type 2-speed motor (ex. 480V models)
- 2 Stage heat is available on some 10kw and 15kw models
- Multiple heat rise selection
- 20 gauge all powder coated steel construction
- Acoustic fiberglass insulation
- Built-in disconnect switch
- Single point power connection
- Heavy duty steel finned heating element
- Quiet, efficient, forward curved centrifugal blower

ORDER NUMBER	PHASE	KW	VOLTS	AMPS*	LOW SPEED**	RISE	HIGH SPEED**	RISE	WT. LBS	H X W X L
BPH138124			208	15.32						
BPH132124	1	3	240	13.4						
BPH137124			277	11.63	350	27°F	400	24°F	57	12.5"x19.5"x24"
BPH138324			208	9.23						
BPH132324	3	3	240	8.12						
BPH134324			480	4.11						
BPH158124			208	24.94						
BPH152124	1	5	240	21.73						
BPH157124			277	18.85	350	45°F	400	39°F	57	12.5"x19.5"x24"
BPH158324			208	14.78						
BPH152324	3	5	240	12.93						
BPH154324			480	6.51						
BPH158124L			208	24.94						
BPH152124L	1	5	240	21.73						
BPH157124L			277	18.85	850	20°F	1000	16°F	69	18"x18"x35.5"
BPH158324L			208	14.78						
BPH152324L	3	5	240	12.93						
BPH154324L			480	6.51						
BPH1758124			208	38.12						
BPH1752124	1	7.5	240	33.31						
BPH1757124			277	28.91	850	28°F	1000	24°F	69	18"x18"x35.5"
BPH1758324			208	22.88						
BPH1752324	3	7.5	240	20.1						
BPH1754324			480	10.16						
BPH1102124	1	10	240	43.73		37°F		31°F		
BPH1107124			277	37.93						
BPH2102124	1	10	240	43.73	850	37° / 20°F	1000	31° / 16°F		
BPH2107124			277	37.93						
BPH1108324			208	29.82						
BPH1102324	3	10	240	26.12		37°F		31°F		
BPH1104324			480	13.17						
BPH2108324			208	29.82					69	18"x18"x35.5"
BPH2102324	3	10	240	26.12	850	37° / 20°F	1000	31° / 16°F		
BPH2104324			480	13.17						
BPH1158324			208	43.9						
BPH1152324	3	15	240	38.14	850	56°F	1000	47°F		
BPH1154324			480	19.18						
BPH2152324	3	15	240	38.14	850	56° / 28°F	1000	47° / 24°F		
BPH2154324			480	19.18						

*Total Amps including Resistive and Inductive loads. **Low and High speed fan operation is determined during installation of thermostat set up † Tested @0.2" S.P.

** Low speed fan operation not available on 480V models.

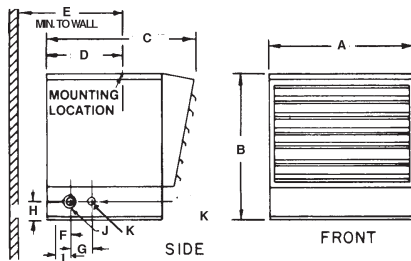
ORDER NUMBER	DESCRIPTION	OPENING	DIMENSIONS	WT. (LBS.)
FRST10	Throw away filter, including rack for 3 & 5KW unit.	Inlet side	15" X 20" X 4.5"	4
FRWS15	Reusable filter, including rack for 3 & 5KW unit.	Inlet side	15" X 20" X 4.5"	4
FRLT20	Throw away filter, including rack for 7.5 to 15KW unit.	Inlet side	15" X 20" X 4.5"	5
FRWL25	Reusable filter, including rack for 7.5 to 15KW unit.	Inlet side	15" X 20" X 4.5"	5
LKS10	Adjustable louver kit for 3 & 5KW units	Outlet side	15" X 20" X 4.5"	5.5
LKL15	Adjustable louver kit for 7.5 to 15KW units	Outlet side	15" X 20" X 4.5"	6
AES10	Aluminum Wall Louver kit for inside heated room for 3 & 5KW units	Inside room	Rough in: 13-11/16" X 13-3/4"	3
AES15	Aluminum Wall Louver kit for inside heated room for 7.5 to 15KW units	Inside room	Rough in: 15-3/4" X 15-3/4"	3.5
TH5220D1003	Electronic Digital 2-Stage 24 volt Thermostat	Inside room	5 3/4"W X 3 3/4"H X 1 1/2"D	4
PRHT1	Single Pole Field installed thermostat. Range 40 to 85 deg F	At heater location	25A @ 240V resistive; 22A @ 277V	3

INDUSTRIAL UNIT HEATERS

Applications include primary, supplementary, or auxiliary heat source in factories, stores, warehouses, public buildings, service stations, workshops, large or exposed areas or additions.



- All motors and contactor coils are line voltage or operate on internal step down transformers so a separate fan and motor control power source is not needed.
- Steel fins are copper brazed to low watt density, steel-sheathed tubular heating elements.
- Element is finished with aluminized paint for corrosion resistance.
- A high-limit cutout automatically shuts off current in event of overheating and reactivates the heater when temperature returns to normal.
- 5KW and 7.5KW heaters can be used in horizontal or vertical position.
- Optional combination wall/ceiling mounting bracket available for horizontal or vertical flow.
- Epoxy paint finish. Cabinet is finished with an epoxy coating for excellent corrosion resistance. The color is neutral grey.



- PUHSA**
- Horizontal or Downflow operation in one unit
 - 5 and 7.5 KW
 - 17,065 and 25,598 BTU/HR

- PUHM & L**
- 240, 277, 480, 600V available (see selection chart)
 - From 10 to 30 KW
 - Directed heat throws to 38 feet
 - Truly easy access for servicing

Ordering Summary

ORDER NUMBER	KW CAP.	BTU/HR.	HTR. VOLT	PHASE	THREADED ROD SIZE	HTR. AMPS		FAN MOTOR HP OR WATTS	CONT. CKT. & FAN MTR. VOLT.	FAN MTR. RPM	AIR VOL. CFM	AIR TEMP. RISE	THROW	MAX MTG. HT.	APPROX. SHIP WT. (Lbs.)
						1Ø	3Ø								
PUH520SA	5	17,065	208	1	1/2"-13 NC	24.0	—	6.0W	208	1400	270	60°F	16'	8'	26
PUH524SA			240	1-3		20.8	12.0		240						26
PUH548SA			480	1-3		13.3	7.8		240						31
PUH560SA			600	3		—	5.2		240						31
PUH724SA	7.5	25,598	240	1-3	1/2"-13 NC	31.3	18.1	6.0W	240	1400	270	85°F	18'	8'	27
PUH727SA			277	1		27.1	—		277						29
PUH748SA			480	1-3		19.9	11.6		240						31
PUH760SA			600	3		—	8.3		240						31
PUH1024M	10	34,130	240	1-3	1/2"-13 NC	41.7	25.7	1/10 HP	240	1550	500	63°F	20'	9'	62
PUH1027M			277	1		37.6	—		240						68
PUH1048M			480	1-3		27.0	16.0		240						72
PUH1060M			600	3		—	10.6		240						72
PUH1524M	15	51,195	240	1-3	1/2"-13 NC	64.1	37.7	1/10 HP	240	1550	750	63°F	28'	11'	68
PUH1527M			277	1		55.8	—		240						74
PUH1548M			480	1-3		40.1	23.5		240						78
PUH1560M			600	3		—	15.2		240						80
PUH2048M	20	68,260	480	1-3	1/2"-13 NC	53.1	31.0	1/10 HP	240	1550	1000	63°F	32'	13'	78
PUH2060M			600	3		—	19.4		240						80
PUH2548L	25	85,325	480	3	1/2"-13 NC	—	38.9	1/3HP	240	1550	1300	61°F5	34'	14'	136
PUH2560L			600	3		—	24.1		240						142
PUH3048L	30	103,390	480	3	1/2"-13 NC	—	44.9	1/3HP	240	1550	1800	3°F	38'	15'	142
PUH3060L			600	3		—	29.0		240						

Controls and Accessories

ORDER NO.	DESCRIPTION
PCWB1	Combination wall/ceiling bracket for 5KW thru 15KW units.
PCWB2	Same as above but for 20KW thru 30KW units.
PUHTA1	Single pole thermostat kit 60-120°F temp. range for field installation in all units.
PUHTA2	Double pole thermostat
PDS30	3-pole power disconnect switch kit for field installation on all horizontal unit heaters rated 30 amps or less.
PDS63	3-pole power disconnect switch kit for field installation on all horizontal unit heaters 10KW and above rated at 30 to 63 amps.
SW	Summer/Winter fan switch kit for field installation, built-in or remote for all units. Provides summer fan operation.

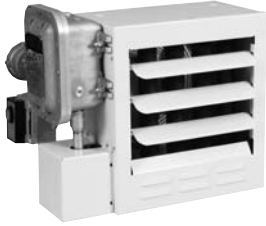
Dimensions

KW SIZE	A	B	C	D	E	F	G	H	J	K
5-7.5	14"	12-1/2"	12-3/8"	5-1/2"	13"	1-3/4"	1-3/8"	1-1/2"	1/2", 3/4"	1/2"
10-20	18"	18"	17-1/2"	9-15/32"	*	2"	2-1/2"	2-1/4"	3/4", 1"	1", 1-1/4", 1-1/2"
25-30	26"	24"	23-1/8"	9-15/32"	20"	2"	2-3/4"	2-1/4"	1", 1-1/2"	1", 1-1/2", 2"

*13" for 10-15KW Units; 16" for 20KW Unit

EXPLOSION PROOF UNIT HEATERS

Explosion proof unit heaters are designed to heat areas classified as hazardous locations designated as Class I, Group C & D or Class II, Groups E, F, and G, Divisions 1 & 2, with a T3B ignition temperature code rating (329°F, 165°C) to provide primary or supplementary heating for comfort or freeze protection. Typical applications involve oil refineries, sewage treatment plants, petrochemical plants, oil rigs, unattended pumping stations, chemical storage and handling facilities, paint storage areas, and countless other hazardous areas covered by these classifications.



CONTROLS

Standard controls include automatic reset thermal limit, a magnetic contactor, and 24 volt control circuit transformer.

HEAT EXCHANGER — Advanced design allows lower operating temperatures from the liquid to air heat exchanger with steel tubes, aluminum fins, a non-toxic heat transfer fluid, and a pressure relief plug.

OPTIONAL CONTROLS — Factory built-in thermostat, disconnect switch, fan selector switch, 120V control circuit, and pilot light.

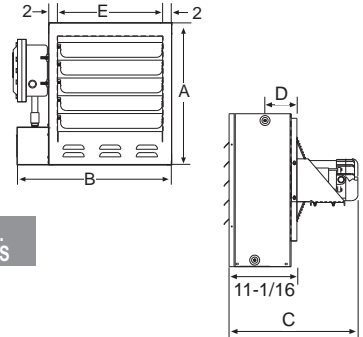
Dimensions

UNIT SIZE	A IN. (MM)	B IN. (MM)	C IN. (MM)	D IN. (MM)	E IN. (MM)
3-10KW	19-1/8 (486)	23-7/8 (606)	21 (533)	3-1/5 (89)	13-5/8 (346)
15-20KW	25 (635)	27-7/8 (708)	21 (533)	4-13/32 (112)	17-5/8 (448)
25-30KW	32-1/8 (816)	31-7/8 (810)	21-3/4 (552)	5-1/2 (140)	21-5/8 (549)

HIGH LIMIT CUTOUPS — An automatic reset high limit cutout units is standard. (An additional manual reset high limit cutout is available as an option.)

FAN & MOTOR — Ball bearing permanently lubricated explosion proof motor has built-in thermal overload protection.

CABINET — Powder coated heavy gauge steel cabinet surrounding a 14 gauge heavy duty steel frame which supports internal components.



Ordering Summary

ORDER NUMBER	HEATER VOLTS	WATTS (K/W)	PHASE	CONTROL VOLTAGE*	OUTPUT BTU/HR.	TOTAL AMPS	VOLUME CFM	RISE	AIR TEMP THROW	SHIP WT. (lbs.)	AVAIL. STATUS
PX300812	208	3	1	24	10,236	16.7	700	13°F	28 ft.	135	AS
PX300832	208	3	3	24	10,236	9.7	700	13°F	28 ft.	135	AS
PX300412	240	3	1	24	10,236	14.8	700	13°F	28 ft.	135	C
PX300432	240	3	3	24	10,236	8.6	700	13°F	28 ft.	135	C
PX3004832	480	3	3	24	10,236	4.3	700	13°F	28 ft.	135	C
PX300632	600	3	3	24	10,236	3.6	700	13°F	28 ft.	135	C
PX500812	208	5	1	24	17,060	26.3	700	22°F	28 ft.	135	C
PX500832	208	5	3	24	17,060	15.3	700	22°F	28 ft.	135	C
PX500412	240	5	1	24	17,060	33.6	700	22°F	28 ft.	135	AS
PX500432	240	5	3	24	17,060	19.4	700	22°F	28 ft.	135	C
PX5004832	480	5	3	24	17,060	9.7	700	22°F	28 ft.	135	S
PX500632	600	5	3	24	17,060	8.1	700	22°F	28 ft.	135	C
PX750812	208	7.5	1	24	25,590	38.4	840	27°F	28 ft.	135	C
PX750832	208	7.5	3	24	25,590	22.2	840	27°F	28 ft.	135	C
PX750412	240	7.5	1	24	25,590	33.6	840	27°F	28 ft.	135	AS
PX750432	240	7.5	3	24	25,590	19.4	840	27°F	28 ft.	135	C
PX7504832	480	7.5	3	24	25,590	9.7	840	27°F	28 ft.	135	S
PX750632	600	7.5	3	24	25,590	8.1	840	27°F	28 ft.	135	C
PX1000832	208	10	3	24	34,120	29.2	840	36°F	32 ft.	140	C
PX1000412	240	10	1	24	34,120	44.5	840	36°F	32 ft.	140	C
PX1000432	240	10	3	24	34,120	25.5	840	36°F	32 ft.	140	C
PX10004832	480	10	3	24	34,120	12.7	840	36°F	32 ft.	140	S
PX1000632	600	10	3	24	34,120	10.6	840	36°F	32 ft.	140	C
PX1500832	208	15	3	24	51,180	43.0	1450	31°F	47 ft.	160	AS
PX1500432	240	15	3	24	51,180	37.5	1450	31°F	47 ft.	160	C
PX15004832	480	15	3	24	51,180	18.7	1450	31°F	47 ft.	160	S
PX1500632	600	15	3	24	51,180	15.7	1450	31°F	47 ft.	160	C
PX20004832	480	20	3	24	68,240	24.8	1400	43°F	43 ft.	171	S
PX2000632	600	20	3	24	68,240	20.7	1400	43°F	43 ft.	171	C
PX25004832	480	25	3	24	85,300	31.1	2330	32°F	54 ft.	216	AS
PX2500632	600	25	3	24	85,300	25.8	2330	32°F	54 ft.	216	C
PX30004832	480	30	3	24	102,360	37.1	2330	39°F	54 ft.	216	AS
PX3000632	600	30	3	24	102,360	30.2	2330	39°F	54 ft.	216	C

*Note: Above models have built-in 24 volt control. Optional 120 volt control is available. Replace the "2" suffix with "1" for 120 volt control.

Optional Accessories

ORDER NO.	DESCRIPTION
PXPM12	Pole Mounting Bracket for units 3KW thru 10KW.
PXPM16	Pole Mounting Bracket for units 15KW thru 20KW.
PXPM18	Pole Mounting Bracket for units 25KW thru 30KW.
PXWM12	Wall Mounting Kit for units 3KW thru 10KW.
PXWM16	Wall Mounting Kit for units 15KW thru 20KW.
PXWM18	Wall Mounting Kit for units 25KW thru 30KW.
PXCMO	Ceiling/Hang Mounting Kit for all Models.
WR80EP	Wall Mounted Thermostat.

Specify type of mounting bracket required at time of order entry.

Optional Accessories (Factory Installed only)

Suffix	DESCRIPTION
AM	Automatic and Manual reset limits
T	Thermostat, 50-90 deg. F
L	Pilot Light (HEATER ON)
K	Pilot Light (LIMIT TRIPPED)
S	Selector Switch (AUTO/FAN ONLY)
	Disconnect Switch - 15 amp
D	Disconnect Switch - 30 amp
	Disconnect Switch - 60 amp
* 1	120 Volt Control Transformer
E	Artic Construction

* - Change heater suffix "2" to "1" for this option.

NOTE:
All units with status "C" or "AS" are made-to-order and are non-returnable.

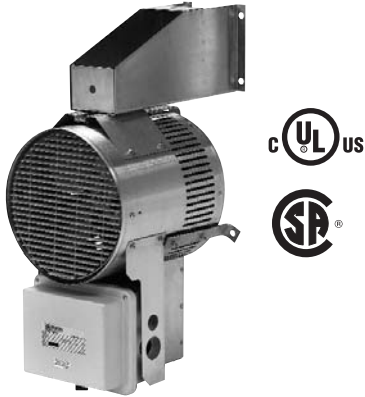
OPTION:
Add 10% to list price for 220V 50 Hz operation.
Add \$195.00 (NET) for 380V 50Hz on 3kw to 20kw.

WASHDOWN CORROSION RESISTANT UNIT HEATERS

- Heavy Gauge Stainless Steel Case
- NEMA 4X Junction Box

PW Series unit heater is designed for comfort heating or freeze protection in non-hazardous dusty/dirty environments including: waste water treatment plants, coal handling areas, food processing plants, foundries, steel mills, cement plants, car washes, swimming pool areas, canneries and dairies.

PW Series washdown heater is a reliable, rugged, self-contained, U.L. and CSA listed, corrosion resistant unit heater. This unit offers both corrosion protection in harsh environments and the ability to be hosed down for cleaning. Users are therefore assured of an ideal heat source for freeze protection or comfort heat in non-hazardous, dirty and corrosive areas such as waste water treatment plants, ships, factories and construction sites.



- All components are designed to be moisture and corrosion resistant.
- A sturdy Type 304 stainless steel case surrounds industrial grade 316 stainless steel finned tubular elements.
- The motor is a totally enclosed, permanently lubricated, ball bearing type which is epoxy painted for moisture and corrosion resistance.
- The junction box which houses the built-in controls and element terminals is rated NEMA 4X.
- Dependable air flow comes from a spark resistant, epoxy coated aluminum fan.
- Power contactor, motor contactor, epoxy sealed automatic over-temperature cutout, internal thermostat (55° - 105°), pilot light to indicate when unit is in operation mode, and selector switch are standard (heater on, off, fan only).
- Stainless steel universal type swivel mounting bracket supplied with heater.
- Fan delay on all models 5KW and larger.

Ordering Summary

ORDER NUMBER	KW	HEATER				MOTOR			TEMP		SHIP WT (LB)	AVAIL. STATUS
		BTU	VOLTS	PHASE	AMPS	VOLTS	PHASE	AMPS	RISE	CFM		
PW20011TSL	2	6,824	120	1	16.7	120	1	0.9	21	405	45	C
PW20081TSL	2	6,824	208	1	9.6	208	1	0.5	21	405	45	C
PW20041TSL	2	6,824	240	1	8.3	240	1	0.5	21	405	45	C
PW30011TSL	3	10,236	120	1	25.0	120	1	0.9	22	405	45	C
PW30081TSL	3	10,236	208	1	14.4	208	1	0.5	22	405	45	AS
PW30041TSL	3	10,236	240	1	12.5	240	1	0.5	22	405	45	AS
PW30071TSL	3	10,236	277	1	10.8	277	1	0.5	22	405	45	C
PW50081TSL	5	17,060	208	1	24.0	208	1	0.5	37	405	50	C
PW50041TSL	5	17,060	240	1	20.8	240	1	0.5	37	405	50	C
PW50071TSL	5	17,060	277	1	18.1	277	1	0.5	37	405	50	C
PW500481TSL	5	17,060	480	1	10.4	480	1	0.3	37	405	50	C
PW50083TSL	5	17,060	208	3	13.9	208	1	0.5	37	405	50	AS
PW50043TSL	5	17,060	240	3	12.0	240	1	0.5	37	405	50	C
PW500483TSL	5	17,060	480	3	6.0	480	1	0.3	37	405	50	S
PW50063TSL	5	17,060	575	3	5.0	575*	1	0.2	37	405	50	C
PW75081TSL	7.5	25,590	208	1	36.1	208	1	0.5	46	590	50	C
PW75041TSL	7.5	25,590	240	1	31.3	240	1	0.5	46	590	50	C
PW75071TSL	7.5	25,590	277	1	27.1	277	1	0.5	46	590	50	C
PW750481TSL	7.5	25,590	480	1	15.6	480	1	0.3	46	590	50	C
PW75083TSL	7.5	25,590	208	3	20.8	208	1	0.5	46	590	50	C
PW75043TSL	7.5	25,590	240	3	18.1	240	1	0.5	46	590	50	C
PW750483TSL	7.5	25,590	480	3	9.0	480	1	0.3	46	590	50	C
PW75063TSL	7.5	25,590	575	3	7.5	575*	1	0.3	46	590	50	C
PW100041TSL	10	34,120	240	1	41.7	240	1	0.5	43	1,330	60	C
PW100071TSL	10	34,120	277	1	36.1	277	1	0.5	43	1,330	60	C
PW1000481TSL	10	34,120	480	1	20.8	480	1	0.3	43	1,330	60	C
PW100083TSL	10	34,120	208	3	27.8	208	1	0.5	43	1,330	60	C
PW100043TSL	10	34,120	240	3	24.1	240	1	0.5	43	1,330	60	C
PW1000483TSL	10	34,120	480	3	12.0	480	1	0.3	43	1,330	60	C
PW100063TSL	10	34,120	575	3	10.1	575*	1	0.3	43	1,330	60	C
PW125071TSL	12.5	42,650	277	1	45.1	277	1	0.5	43	1,330	60	C
PW1250481TSL	12.5	42,650	480	1	26.0	480	1	0.3	43	1,330	60	C
PW125083TSL	12.5	42,650	208	3	34.7	208	1	0.5	43	1,330	60	C
PW125043TSL	12.5	42,650	240	3	30.1	240	1	0.5	43	1,330	60	C
PW1250483TSL	12.5	42,650	480	3	15.1	480	1	0.3	43	1,330	60	C
PW125063TSL	12.5	42,650	575	3	12.6	575*	1	0.3	43	1,330	60	C
PW1500481TSL	15	51,180	480	1	31.3	480	1	0.3	60	1,330	60	C
PW150083TSL	15	51,180	208	3	41.7	208	1	0.5	60	1,330	60	C
PW150043TSL	15	51,180	240	3	36.1	240	1	0.5	60	1,330	60	C
PW1500483TSL	15	51,180	480	3	18.1	480	1	0.3	60	1,330	60	S
PW150063TSL	15	51,180	575	3	15.1	575*	1	0.3	60	1,330	60	C
PW200043TSL	19.5	66,534	240	3	47.0	240	1	0.5	45	1,330	60	C
PW2000481TSL	20	68,240	480	1	41.7	480	1	0.3	45	1,330	60	C
PW2000483TSL	20	68,240	480	3	24.1	480	1	0.3	45	1,330	60	S
PW200063TSL	20	68,240	575	3	20.1	575*	1	0.3	45	1,330	60	C
PW2500483TSL	25	85,300	480	3	30.1	480	3	0.8	54	2,700	80	C
PW250063TSL	25	85,300	575	3	25.1	575*	3	0.8	54	2,700	80	C
PW3000483TSL	30	102,360	480	3	36.1	480	3	0.8	64	2,700	80	C
PW300063TSL	30	102,360	575	3	30.2	575*	3	0.8	64	2,700	80	C
PW3500483TSL	35	119,420	480	3	42.1	480	3	0.8	58	2,700	80	C
PW350063TSL	35	119,420	575	3	35.2	575*	3	0.8	58	2,700	80	C
PW3900483TSL	39	133,068	480	3	47.0	480	3	0.8	67	2,700	80	C
PW390063TSL	39	133,068	575	3	39.2	575*	3	0.8	67	2,700	80	C

*Indicates availability of single point hookup at 575 volts

Factory Installed Controls

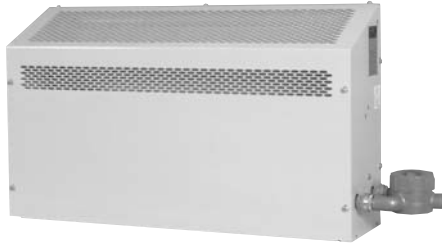
SUFFIX DESCRIPTION

D	Disconnect Switch
E	Monel Elements (3KW - 12KW units) Monel Elements (15KW - 20KW units) Monel Elements (units over 20KW)
M	Manual Reset
P	Epoxy Coating

NOTE: All units with status "C" or "AS" are made-to-order and are non-returnable.
NOTE: All units come equipped with thermostat, pilot light, selector switch and mounting bracket.

EXPLOSION PROOF CONVECTORS

- Corrosive Resistant Polyester Powder Coated 16 Gauge Steel
- Explosion Proof Junction Boxes



Ordering Summary

PG Series convector heaters are designed to heat areas classified as hazardous locations designated for Class I, Groups B, C, & D. Division 1 and 2 environments. Typical applications involve petroleum refineries and gasoline storage and dispensing areas, industrial firms that use flammable liquids in dip tanks for parts cleaning, petrochemical companies manufacturing chemicals, dry cleaning plants, utility and natural gas plants, aircraft hangars, fueling areas, and many other hazardous areas covered by these classifications.

- Easily mounted with integral mounting brackets provided for wall installation.
- Polyester powder coated heavy gauge steel that provides excellent corrosion resistance.
- High quality, long life tubular elements with high grade resistance wire embedded in MGO, centered in heavy gauge 1.25" diameter sheath with 3" x 3.25" fins.
- Explosion proof junction boxes included for conduit entry and ease of wiring.
- Sloped top cabinet prevents objects from being set on top which could restrict airflow.

These convection heaters have been designed and manufactured to provide a rugged and corrosion resistant heat source for areas where volatile flammable liquids or gases and vapors are present.

Factory Built In Options

SUFFIX LETTER	DESCRIPTION
T	Thermostat 45-85 deg. F. (Class I, Group C & D only)
CX	24V Control Transformer (for units rated 480V or less)
CX1	24V Control Transformer (for units rated 480V or less)
TB	Thermostat 45-85 deg. F. (Class I, Group B, C, & D)

T2A TEMPERATURE RATING (536 DEG. F)							
ORDER NUMBER	HEATER VOLTS	WATTS (KW)	PHASE	AMPS	BTU	SHIP WT.	AVAIL. STATUS
PG18001	120	1.8	1	15.0	6,140		S
PG18081	208	1.8	1	8.7	6,140		S
PG18083	208	1.8	3	5.0	6,140		C
PG18041	240	1.8	1	7.5	6,140	46	S
PG18043	240	1.8	3	4.4	6,140	lbs	C
PG18071	277	1.8	1	6.5	6,140		C
PG180481	480	1.8	1	3.8	6,140		AS
PG180483	480	1.8	3	2.2	6,140		C
PG36081	208	3.6	1	17.3	12,300		S
PG36083	208	3.6	3	10.0	12,300		C
PG36041	240	3.6	1	15.0	12,300		S
PG36043	240	3.6	3	8.7	12,300	58	C
PG36071	277	3.6	1	13.0	12,300	lbs	C
PG360481	480	3.6	1	7.5	12,300		C
PG360483	480	3.6	3	4.3	12,300		S
PG36063	600	3.6	3	6.3	12,300		C
PG76081	208	7.6	1	36.5	25,930		C
PG76083	208	7.6	3	21.1	25,930		C
PG76041	240	7.6	1	31.7	25,930		C
PG76043	240	7.6	3	18.3	25,930	94	S
PG76071	277	7.6	1	27.4	25,930	lbs	C
PG760481	480	7.6	1	15.8	25,930		C
PG760483	480	7.6	3	9.2	25,930		S
PG76063	600	7.6	3	9.2	25,930		C

T3A TEMPERATURE RATING (356 DEG. F)							
ORDER NUMBER	HEATER VOLTS	WATTS (KW)	PHASE	AMPS	BTU	SHIP WT.	AVAIL. STATUS
PG32081	208	3.2	1	15.4	11,000		C
PG32083	208	3.2	3	8.9	11,000		C
PG32041	240	3.2	1	13.3	11,000		C
PG32043	240	3.2	3	7.7	11,000	84	C
PG32071	277	3.2	1	11.6	11,000	lbs	C
PG320481	480	3.2	1	6.7	11,000		C
PG320483	480	3.2	3	3.8	11,000		C
PG32063	600	3.2	3	5.6	11,000		C

NOTE 1: Units with factory built-in controls will increase in length by 2.75" over what is shown above.
NOTE 2: 480 volt unit heaters with built-in thermostat require "CX" option.

NOTE 3: All units with status "C" or "AS" are made-to-order and are non-returnable. See page 31 for availability status.

Dimensions (for units with no controls)

UNIT SIZE	DIMENSIONS
1.8KW, 3.6KW Units	20"H X 9"D X 34"L
3.2KW, 6.0KW, 7.6KW Units	20"H X 9"D X 58"L

NOTE: Units with factory built-in controls will increase in length by 8" over what is shown above.

NOTE:

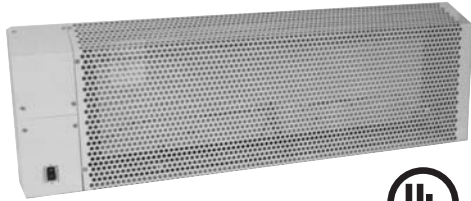
All units with status "C" or "AS" are made-to-order and are non-returnable.

OPTION:

Add 10% to list price for 220V 50 Hz operation.
Add \$195.00 (NET) for 380V 50Hz on 3kw to 20kw.

INDUSTRIAL ELECTRIC CONVECTOR HEATERS

PJ Series type convector is designed with low operating temperatures and is U.L. listed. This is a rugged, wall mounted, tamper resistant convection heater designed to provide heat in correctional or rehabilitational institutions where safety is a major concern.



- 250 Watts thru 2000 Watts Output
- Convector is designed for safety
- 140°F maximum surface temperature in a 70° ambient.
- Internal tamper resistant thermostat with 55° to 100°F range.
- 12 gauge perforated steel, sloped top cover.
- 14 gauge back.
- Built-in disconnect switch.

Ordering Summary

ORDER NUMBER	HEATER VOLTS	WATTS	AMPS	SHIP WT. (lbs.)
PJ400	120	400	3.3	40
PJ408	208	400	1.9	40
PJ404	240	400	1.7	40
PJ407	277	400	1.4	40
PJ500	120	500	4.2	45
PJ508	208	500	2.4	45
PJ504	240	500	2.2	45
PJ507	277	500	1.8	45
PJ750	120	750	6.2	55
PJ758	208	750	3.6	55
PJ754	240	750	3.3	55
PJ757	277	750	2.7	55
PJ1000	120	1000	8.3	65
PJ1008	208	1000	4.8	65
PJ1004	240	1000	4.4	65
PJ1007	277	1000	3.6	65
PJ1250	120	1250	10.4	80
PJ1258	208	1250	6.0	80
PJ1254	240	1250	5.4	80
PJ1257	277	1250	4.5	80
PJ1500	120	1500	12.5	95
PJ1508	208	1500	7.2	95
PJ1504	240	1500	6.5	95
PJ1507	277	1500	5.4	95
PJ2008	208	2000	9.6	105
PJ2004	240	2000	8.8	105
PJ2007	277	2000	7.2	105

NOTE: These products are Made-to-order and cannot be returned.

Dimensions

WATTAGE	LENGTH	HEIGHT	DEPTH
400	24"	16"	5"
500	28"	16"	5"
750	36"	16"	5"
1000	48"	16"	5"
1250	60"	16"	5"
1500	72"	16"	5"
2000	96"	16"	5"

LINE VOLTAGE THERMOSTATS



CATALOG NO.	MS26	MD26	M601W	M602W	M601TPW	M602TPW	M611W	M612W
Action	Snap Action		Snap Action		Snap Action		Snap Action	
Type	SPST	DPST	SPST	DPST	SPST	DPST	SPST	DPST
Amp Rating	Model MD26 has Positive OFF		Model M602W has Positive OFF		Model M602TPW has Positive OFF		Model M612W has Positive OFF	
120V	22A		22A		22A		22A	
208V	22A		22A		22A		22A	
240V	22A		22A		22A		22A	
277V	18A		18A		18A		18A	
Pilot Duty	No		Yes 125VA		Yes 125VA		Yes 125VA	
Range (°F)	50°F to 80°F		45°F to 75°F		45°F to 75°F		45°F to 75°F	
Differential	+/- 5°F		+/- 4°F		+/- 4°F		+/- 2 1/2°F	
Features	These economy thermostats are the snap action type that are used in apartment construction. Good thermostat for its value. Ideal for radiant cove heaters and baseboard.		These bi-metal snap action thermostats are sensitive. Large knob allow for easy adjustment.		Same as M601W and M602W except the cover mounting cover offer tamper proof feature.		Built-in heat anticipator assures closer control of room temperature. These snap action thermostats are more sensitive that	

LINE VOLTAGE THERMOSTATS



CATALOG NO.	M600MTP	M600S	T100	T200	WR651	WR661
Action	Modulation (2 stage)	Simultaneous switching (double ckt)	Snap Action with Heat Anticipator		Creep (Hydraulic) Action	
Type	DPST		SPST	DPST	SPST	DPST
Watt Rating						
120V	22A	22A	22A	22A	22A	22A
208V	22A	22A	22A	22A	22A	22A
240V	22A	22A	22A	22A	22A	22A
277V	18A	18A	18A	18A	na	na
Pilot Duty	Yes 125VA	Yes 125VA	Yes 125VA		No	
Range (°F)	50°F to 80°F	50°F to 80°F	50°F to 90°F		40°F to 85°F	
Differential	Accuracy: Within 3°F of setpoint	Accuracy: Within 3°F of setpoint	+/- 2 1/2°F		+/- 2°F	
Features	One thermostat controls two separate heating circuits and reduces input during light load periods. Second stage activates when temperature drops to approx. 1 1/2°F below the first stage turn-ON temperature.	Simultaneous control of two heating loads. Used where the total load slightly exceeds capacity of a single switch, where two thermostats are impractical. Both switches are calibrated to operate at approx. the same temperature.	Line voltage thermostat with everything; Performance, reliability, durability, and a large knob. Built-in heat anticipation assures close temperature regulation. Large knob for easy rotation.		Extra-sensitive element in control knob senses radiant heat as well as air temperature for ultimate control. May cause slight radio or television interference in outlying fringe areas.	

SPECIALTY CONTROLS



CAT. NO.	VOLT	AMPS
LTR1120	120V	22A
LTR208240	208/240V	22A
LTR1277	277V	19A

ORDER NO.	WR80	WR80EP	WT11A	WT12A	LTR SERIES
Action Type	Snap Action Switch SPST	Snap Action Switch SPST	Positive snap action switch SPDT		Electronic Relays
Amp Rating			Nema 4X rated		Microprocessor base design
120V	25A	25A	25A	-	These electronic relays have been designed for silent control of high voltage resistive loads from a low voltage control circuit. Inductive motor loads can also be controlled (120V to 240V only). Compatible with 24V thermostats and accepts analog signal of 0-10V DC.
208V	22A	22A	25A		
240V	22A	22A	25A		
277V	18A	18A	22A		
Pilot Duty Range (°F)	Yes 125VA 40°F to 90°F	Yes 125VA 40°F to 90°F	Yes 125VA 40°F to 110°F		The relays can be used with model LT186F01 electronic room sensor, providing proportional and integral control. Also can be tied to building management systems.
Differential Features	+/- 3°F	+/- 3°F	+/- 2 1/2°F		
Features	Rugged design for garages, factories, warehouses and similar commercial and industrial installations. The WR80 can control several heaters by using an external contactor.	This explosion proof room thermostat is suitable for Class 1, Group D and Class II, Groups E, F, and G locations.	Nema 4X weatherproof enclosure. The control has a SPDT output and can be used for heating or cooling (ventilation) Multi-positional mounting offers flexibility in new or existing installations.		

SPECIALTY CONTROLS



CATALOG NO.	LTR2240	TC1	MODELS BELOW	M600THW	M600THB
Action Type	Dual Silent Relay 2 single pole switches.	Enclosure protection for thermostats.	M12100 - White, toggle type M12500 - White, decora type M14100 - Beige, toggle type M14500 - Beige, decora type	M600THW -White thermostat cover with built-in thermometer. For M600 Series stats.	M600THB - Beige thermostat cover with built-in thermometer. For M600 Series stats.
Watt Rating	Resistive Inductive	Material: Impact resistant polycarbonate. Clear. Dimensions are: 7"L X 4.28"H X 2.75" D			
120V	N/A				
208V	25A 1HP, 8.8A				
240V	25A 1HP, 8A				
277V	N/A				
Pilot Duty Range (°F)	Yes 125VA Can be operate in 20 to 140°F	Thermostat enclosure kits are designed to protect the thermostat. Circulating slots allow airflow for proper operation. Guards are lockable and a key is provided to maintain security.	This wall plate thermometer accurately displays room temperature within 1 degree Fahrenheit, so you can tell in a moments notice if a room is warm or cool. This is ideal for zonal control of your room temperature. No wiring is needed. (battery included with the wall plate). Easy to install.		
Differential Features	Accuracy: Within 1.5°F of setpoint This dual level temperature relay may be used to operate two separate heating loads by means of a single low voltage thermostat. Relay is mounted in an enclosure.				Minimum 50pcs Allow 4 weeks.

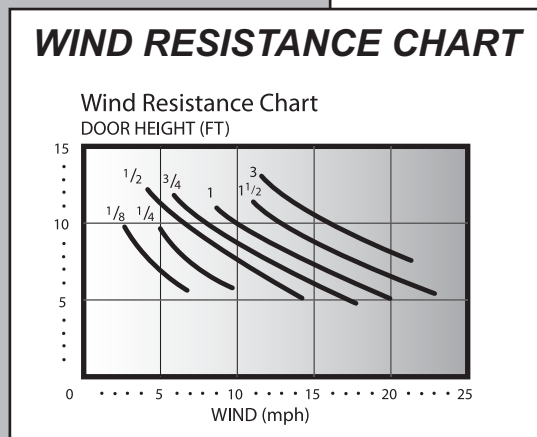
INTRODUCTION TO AIR CURTAINS

For interactive selection guide, visit our website www.marleymep.com.

Air Curtains are used for a wide variety of applications from thermal barriers at shopping mall entrances, to fly and insect prevention at restaurant service doors, to factory freight doors for wind resistance and temperature separation. The air curtain enables traffic to flow unobstructed through openings while maintaining distinct environments, thus resulting in energy savings.

The most common type of air curtain is the horizontal, non-recirculating, single jet type. It will satisfy the majority of needs for commercial and industrial applications. The discharge velocity of the air curtain can range from 600 ft/min, for entranceways, to over 5,000 ft/min, for sealing environments from wind effects and insects.

Applications by Door Height		*Wind Conditions are Classified as Follows:						
		●GENTLE=1 to 5mph ○LIGHT=5 to 8mph ■MODERATE=8 to 12mph □STRONG=12 to 15 ◇SEVERE=15 to 21mph						
Basic Motor HP / Series		Low Profile	Environmental Series			High Velocity Series		
		1/8 HP	1/4 HP	1/2 HP	3/4 HP	1 HP	1 1/2 HP	3 HP
RETAIL APPLICATIONS								
THERMAL BARRIER								
7' RETAIL ENTRANCE		●						
COMMERCIAL APPLICATIONS								
INTERIOR SEPARATION								
8' INTERIOR		●						
10' INTERIOR				●				
THERMAL BARRIER								
8' EXTERIOR			○	■		□		
10' EXTERIOR				○	■			
FOOD SERVICE APPLICATIONS								
THERMAL BARRIER								
7' CUSTOMER ENTRANCE			○					
8' CUSTOMER ENTRANCE			○					
FLY & INSECT CONTROL								
7' SERVICE ENTRANCE				■		□		
8' SERVICE ENTRANCE				○	■			
REFRIGERATION APPLICATIONS								
THERMAL BARRIER								
7' COOLER		●						
8' COOLER			●					
10' COOLER				●				
12' COOLER					●			
8' FREEZER				●				
10' FREEZER					●			
12' FREEZER					●			
SANITATION APPLICATIONS								
FLY & INSECT CONTROL								
8' EXTERIOR				■		□	◇	
10' EXTERIOR						■	□	
LIGHT INDUSTRIAL APPLICATIONS								
INTERIOR SEPARATION								
12' INTERIOR OPENING						○		
14' INTERIOR OPENING							○	
WIND RESISTANCE								
10' EXTERIOR DOORWAY						■	□	◇
12' EXTERIOR DOORWAY							○	■
14' EXTERIOR DOORWAY								○



* Guide does not include negative pressures or wind tunnel conditions. Wind resistance values are for normal applications.

TYPICAL APPLICATIONS FOR AIR CURTAINS

RETAIL



The compact low-profile series is designed for retail customer entrances, malls, stores and restaurants. This air curtain acts as a **Thermal Barrier** for mounting heights of 7 feet customer entrances and 8 feet interior doors. For more information's see page 55.

COMMERCIAL



Designed for supermarkets, schools, hospitals and other large facilities. This air curtain acts as a **Thermal Barrier** or **Interior Separation** device for mounting heights of 8-10 feet. For more information see page 56.

LIGHT INDUSTRIAL



Designed for warehouses, manufacturing plants and other large facilities. This air curtain acts as a **Wind Resistance** or **Interior Separation** device for mounting heights of 10-14 feet. For more information see page 58.

FOOD SERVICE



Designed for customer entrances (front door) and service entrances (rear door). This air curtain acts as a **Thermal Barrier** or **Fly and Insect Control** device for mounting heights of 7 - 8 feet. For more information's see page 56.

DRIVE-THRU WINDOW



Designed specifically for drive-thru windows. This air curtain acts as a **Thermal Barrier** or **Fly and Insect Control** device for mounting heights up to 5 feet nozzle-to-counter. For more information see page 55.

REFRIGERATION



Designed for freezers, coolers, cold storage facilities, processing plants and other refrigerated facilities. This air curtain acts as a **Thermal Barrier** for mounting heights of 7-12 feet. For more information see page 56.

SANITATION



Designed for use in meat and poultry packing plants., processing plants and food preparation areas. This air curtain acts as a **Fly and Insect Control** device for mounting heights of 17-10 feet. For more information see page 58.

LOW-PROFILE SERIES



For use as a *Thermal Barrier* in retail customer entrances, malls, stores, hospitals, post offices, restaurants, concession windows and walk-in coolers.

FEATURES

- Modern contemporary design with choice of electro-static powder paint or quality stainless steel.
- Cross-flow blower wheels for maximum outlet uniformity
- Easily adjustable air directional vanes.
- Two speed motor with convenient selector switch
- Pre-wired 48 inch molded cord/plug for simple installation.
- Quick-Mount mounting plate included. No Template required to locate mounting screws
- Units can be installed in series for side by side continuous mounting.

APPLICATION GUIDELINES:

- Create an "open door" atmosphere in retail establishments.
- For mounting heights of 7 ft. for exterior customer entrances or 8 ft. interior doors.
- Reduce infiltration of exterior air, fumes, dust and dirt.
- Act as a temperature separation device, repelling outside air while maintaining interior environment.
- Patented design allows for continuous mounting.

EXCLUSIVE FEATURES ARCHITECTURAL SERIES:

- Extruded anodized aluminum design that compliments store interiors and public facilities.
- Custom paint to accent architectural sill-height heaters in vestibules and reception areas.

Low-Profile - Contemporary Series



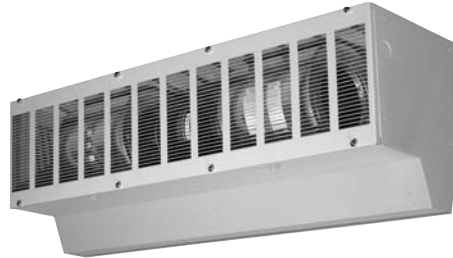
Low-Profile - Architectural Series



MODEL	NOZZLE WIDTH (IN)	VOLTS	AMPS	MAX VEL FPM	AVG VEL FPM	AIRFLOW CFM	WT. LBS	MOTORS HP
Contemporary Powder Paint								
MLP36001115GR	36	120	1.3	1800	1800 / 1350	1200 / 900	32	1 @ 1/15
MLP42001110GR	42	120	1.6	1800	1800 / 1350	1380 / 1040	37	1 @ 1/10
MLP48001108GR	48	120	2.1	1800	1800 / 1350	1600 / 1210	42	1 @ 1/8
MLP60001108GR	60	120	2.1	1800	1800 / 1350	2060 / 1550	53	1 @ 1/8
MLP36001208GR	36	240	0.7	1800	1800 / 1350	1200 / 900	32	1 @ 1/8
MLP42001208GR	42	240	0.7	1800	1800 / 1350	1380 / 1040	37	1 @ 1/8
MLP48001206GR	48	240	1.0	1800	1800 / 1350	1600 / 1210	42	1 @ 1/6
MLP60001206GR	60	240	1.0	1800	1800 / 1350	2060 / 1550	53	1 @ 1/6
Contemporary Stainless Steel								
MLP36001115GRSS	36	120	1.3	1800	1800 / 1350	1200 / 900	32	1 @ 1/15
MLP42001110GRSS	42	120	1.6	1800	1800 / 1350	1380 / 1040	37	1 @ 1/10
MLP48001108GRSS	48	120	2.1	1800	1800 / 1350	1600 / 1210	42	1 @ 1/8
MLP60001108GRSS	60	120	2.1	1800	1800 / 1350	2060 / 1550	53	1 @ 1/8
MLP36001208GRSS	36	240	0.7	1800	1800 / 1350	1200 / 900	32	1 @ 1/8
MLP42001208GRSS	42	240	0.7	1800	1800 / 1350	1380 / 1040	37	1 @ 1/8
MLP48001206GRSS	48	240	1.0	1800	1800 / 1350	1600 / 1210	42	1 @ 1/6
MLP60001206GRSS	60	240	1.0	1800	1800 / 1350	2060 / 1550	53	1 @ 1/6
Architectural Series								
MLP36001115GA	36	120	1.3	1800	1800 / 1350	1200 / 900	32	1 @ 1/15
MLP42001110GA	42	120	1.6	1800	1800 / 1350	1380 / 1040	37	1 @ 1/10
MLP48001108GA	48	120	2.1	1800	1800 / 1350	1600 / 1210	42	1 @ 1/8
MLP60001108GA	60	120	2.1	1800	1800 / 1350	2060 / 1550	53	1 @ 1/8
MLP36001208GA	36	240	0.7	1800	1800 / 1350	1200 / 900	32	1 @ 1/8
MLP42001208GA	42	240	0.7	1800	1800 / 1350	1380 / 1040	37	1 @ 1/8
MLP48001206GA	48	240	1.0	1800	1800 / 1350	1600 / 1210	42	1 @ 1/6
MLP60001206GA	60	240	1.0	1800	1800 / 1350	2060 / 1550	53	1 @ 1/6

ENVIRONMENTAL SERIES AIR CURTAINS

- Commercial - supermarkets, schools, hospitals
- Food Service - restaurants, bakeries, cafeterias
- Refrigeration - freezers, coolers, processing plants



- Galvanized, corrosion-resistant, heavy duty steel cabinet.
- Easy access; no tools required for inspection and cleaning.
- Heavy duty, totally enclosed motors with permanently lubricated bearings.
- Electrically heated models available
- Hot Water/Steam Heated Models
- Exclusive Smart-Trac II Adjustable Mounting System (Pat. Pend.) allows for 6-way adjustment and alignment at the cabinet to compensate for possible overhead obstacles such as sprinkler pipes, conduit and beams. (Optional on all models).



Ordering Summary

AIR DELIVERY @ NOZZLE OUTLET								
MODEL NUMBER	WIDTH	MAX VELOCITY (FPM) HI/LOW†		AVG VELOCITY (FPM) HI/LOW†		AVG. AIR FLOW RATE (CFM) HI/LOW†		APPROX. SHIPPING WEIGHT (LBS)
						# MOTORS @ H.P.	INPUT POWER RATING (KW)* 1-PH 3-PH	
1/4 HP Models								
E36001#25	36"	2500/1850	2000/1480	1620/1200	1@1/4	0.41	0.24	65
E38001#25	38"	2500/1850	1955/1450	1670/1240	1@1/4	0.41	0.24	67
E42001#25	42"	2500/1850	1900/1410	1795/1330	1@1/4	0.41	0.24	70
E48001#25	48"	2500/1850	1855/1375	2000/1480	1@1/4	0.41	0.24	77
E60002#25	60"	2500/1850	2125/1575	2880/2135	2@1/4	0.82	0.48	128
E72002#25	72"	2500/1850	2000/1480	3240/2400	2@1/4	0.82	0.48	130
E76002#25	76"	2500/1850	1955/1450	3340/2475	2@1/4	0.82	0.48	134
E84002#25	84"	2500/1850	1915/1420	3620/2680	2@1/4	0.82	0.48	142
E96002#25	96"	2500/1850	1855/1375	4000/2960	2@1/4	0.82	0.48	154
E10803#25	108"	2500/1850	2000/1480	4860/3600	3@1/4	1.23	0.72	195
E12003#25	120"	2500/1850	1945/1440	5240/3880	3@1/4	1.23	0.72	207
E13203#25	132"	2500/1850	1895/1405	5620/4160	3@1/4	1.23	0.72	219
E14403#25	144"	2500/1850	1855/1375	6000/4440	3@1/4	1.23	0.72	231
1/2 HP Models								
E36001#50	36"	3800/2815	3040/2250	2460/1820	1@1/2	0.62	0.40	74
E38001#50	38"	3800/2815	2965/2195	2535/1880	1@1/2	0.62	0.40	76
E42001#50	42"	3800/2815	2890/2140	2730/2020	1@1/2	0.62	0.40	79
E48001#50	48"	3800/2815	2815/2085	3040/2250	1@1/2	0.62	0.40	86
E60002#50	60"	3800/2815	3230/2390	4375/3240	2@1/2	1.25	0.80	148
E72002#50	72"	3800/2815	3040/2250	4920/3645	2@1/2	1.25	0.80	148
E76002#50	76"	3800/2815	2965/2195	5070/3755	2@1/2	1.25	0.80	152
E84002#50	84"	3800/2815	2910/2155	5500/4070	2@1/2	1.25	0.80	160
E96002#50	96"	3800/2815	2815/2085	6080/4500	2@1/2	1.25	0.80	172
E10803#50	108"	3800/2815	3040/2250	7380/5465	3@1/2	1.87	1.20	222
E12003#50	120"	3800/2815	2950/2184	7960/5890	3@1/2	1.87	1.20	234
E13203#50	132"	3800/2815	2875/2130	8540/6320	3@1/2	1.87	1.20	246
E14403#50	144"	3800/2815	2815/2085	9120/6750	3@1/2	1.87	1.20	258
3/4 HP Models								
E36001#75	36"	4850/3590	3880/2875	3140/2325	1@3/4	0.94	1.20	83
E38001#75	38"	4850/3590	3790/2805	3240/2400	1@3/4	0.94	1.20	86
E42001#75	42"	4850/3590	3685/2730	3480/2575	1@3/4	0.94	1.20	89
E48001#75	48"	4850/3590	3595/2660	3880/2875	1@3/4	0.94	1.20	96
E60001#75	60"	4850/3590	3395/2510	4580/3390	1@3/4	1.87	2.39	112
E72002#75	72"	4850/3590	3880/2875	6280/4650	2@3/4	1.87	2.39	166
E76002#75	76"	4850/3590	3790/2805	6480/4795	2@3/4	1.87	2.39	172
E84002#75	84"	4850/3590	3715/2750	7020/5195	2@3/4	1.87	2.39	179
E96002#75	96"	4850/3590	3595/2660	7760/5745	2@3/4	1.87	2.39	192
E10803#75	108"	4850/3590	3880/2875	9420/6975	3@3/4	2.81	3.59	249
E12003#75	120"	4850/3590	3765/2790	10160/7520	3@3/4	2.81	3.59	262
E13203#75	132"	4850/3590	3670/2720	10900/8070	3@3/4	2.81	3.59	275
E14403#75	144"	4850/3590	3595/2660	11640/8615	3@3/4	2.81	3.59	288

- Indicate Voltage: 1 = 120/1, 2 = 220/1, 3 = 208/3, 4 = 230/3, 5 = 460/3

* - AMP Draw maybe Estimated as Follows: 1-ph = $\frac{\text{Power Rating} \cdot 1000}{\text{Voltage}}$; 3-ph = $\frac{\text{Power Rating} \cdot 1000}{\text{Voltage} \cdot 1.732}$

† - Low speed only available on 1-PH units

3-PHASE ENVIRONMENTAL ELECTRICALLY HEATED SERIES

Applications:

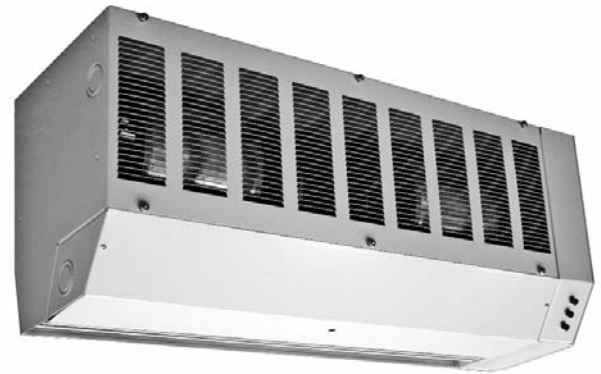
For use in vestibules, lobbies, staging areas, reception areas, waiting rooms and other customer greeting areas.

Heated air curtains are not designed to hold 100% of incoming cold air, as the required air velocity generated would be uncomfortable to patrons. The incoming cold air is entrained in the warm curtain of air, thus maintaining comfort levels.

Heated units also reduce the wind chill effect of personnel walking through or standing near openings.

Special Features:

- New modular designed cabinet allows 8 to 48 kilowatts of heating capacity, in lengths ranging from 36 to 144 inches.
- Large, easily accessible pre-wired control box is side mounted and features a hinged swing down access panel.
- Easily visible indicator lights on control panel alerts operator when power to the unit is on and when fan and heat are operating.
- Helical coil heating element modules are easily replaceable.
- Heating elements are thermally protected and include a pilot light feature.
- Hinged element control panel is located in front of nozzle and swings down for servicing.
- Air-flow safety sensor disables heating element in the event motor/blowers need servicing or are wired incorrectly.
- Use Wall-mounted 24-volt thermostat for temperature control. (Not Included)
- Can be operated with or without heat for winter and summer operation.
- Exclusive Smart-Trac II Adjustable Mounting System Optional on all models.



Available in:

Three phase 60Hz, 208 volt motor and heat.

Three phase 60Hz, 240 / 208 volt motor and heat.

Three phase 60Hz, 480 volt motor and heat.

For additional models consult factory.

Ordering Summary

MODEL NUMBER	AIR DELIVERY @ NOZZLE OUTLET						APPROX. SHIPPING WEIGHT (LBS)	# MOTORS @ HP
	NOZZLE WIDTH (IN)	NUMBER OF CABINETS	CONTROL VOLTAGE	MAX VEL (FPM)	AVG VEL (FPM)	AIRFLOW (CFM)		
1/2 HP Models								
E36++1#50HE	36	1	24	3800	3040	2460	93	1 @ 1/2
E42++1#50HE	42	1	24	3800	2890	2730	98	1 @ 1/2
E48++1#50HE	48	1	24	3800	2815	3040	105	1 @ 1/2
E60++1#50HE	60	1	24	3800	2740	3350	117	1 @ 1/2
E72++2#50HE	72	2	24	3800	3040	4920	177	2 @ 1/2
E84++2#50HE	84	2	24	3800	2910	5460	181	2 @ 1/2
E96++2#50HE	96	2	24	3800	2815	6080	189	2 @ 1/2
E108++3#50HE	108	3	24	3800	3040	7380	261	3 @ 1/2
E120++3#50HE	120	3	24	3800	2950	7920	273	3 @ 1/2
E132++3#50HE	132	3	24	3800	2875	8540	285	3 @ 1/2
E144++3#50HE	144	3	24	3800	2815	9120	297	3 @ 1/2
3/4 HP Models								
E42++1#75HE	42	1	24	4850	3685	3480	108	1 @ 3/4
E48++1#75HE	48	1	24	4850	3595	3880	115	1 @ 3/4
E60++1#75HE	60	1	24	4850	3395	4580	131	1 @ 3/4
E72++2#75HE	72	2	24	4850	3880	6280	195	2 @ 3/4
E84++2#75HE	84	2	24	4850	3715	6960	208	2 @ 3/4
E96++2#75HE	96	2	24	4850	3595	7760	221	2 @ 3/4
E108++3#75HE	108	3	24	4850	3880	9420	288	3 @ 3/4
E120++3#75HE	120	3	24	4850	3765	10100	301	3 @ 3/4
E132++3#75HE	132	3	24	4850	3670	10900	314	3 @ 3/4
E144++3#75HE	144	3	24	4850	3595	11640	327	3 @ 3/4

++ TOTAL HEATER KW AVAILABLE (SELECT FROM BELOW)

	KW	BTU/HR	KW	BTU/HR	KW	BTU/HR
1- CABINET	08	27,320	12	40,980	16	54,640
2- CABINET	16	54,640	24	81,960	32	109,280
3- CABINET	24	81,960	36	122,940	48	163,920

NOTE: Multiply listed wattage by .75 for actual 208V rating. Maximum 15 kilowatts per cabinet at 240V.

- SELECT VOLTAGE: 3 = 208V 3-PH, 4 = 240V/208V 3-PH, 5 = 480V 3-PH.

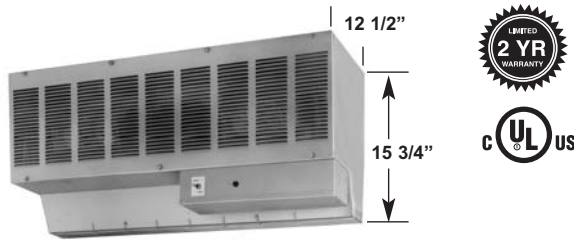
Note: Stock Cabinet and Grille color is Neutral Gray. Other standard colors available on request include: Navajo White, Northern White, Black, Charcoal Gray, Aluminum, Statuary Bronze and Desert Tan.

SINGLE PHASE ENVIRONMENTAL SERIES ELECTRICALLY HEATED



- For use in vestibules, lobbies, staging areas, reception areas, waiting rooms and other customer greeting areas.
- Heated air curtains are not designed to hold 100% of incoming cold air, as the required air velocity generated would be uncomfortable to patrons. The incoming cold air is entrained in the warm curtain of air, thus maintaining comfort levels.
- Heated units also reduce the wind chill effect of personnel walking through or standing near an opening.

- Heated units supplied with pre-wired heater control box for efficient installation.
- Wall-mounted 24-volt thermostat for temperature control.
- Multiple coil capacities for proper application requirements.
- Heater control panel mounts in front of nozzle, below grill.



Available In:
Single phase 60Hz, 120 volt motor, 240 volt heat.

Ordering Summary

MODEL NUMBER	WIDTH (IN)	HEATER		CONTROL VOLTAGE	MAX VEL (fpm)	AVG VEL (fpm)	AIRFLOW (cfm)	# MOTORS @HP
		WATTS	BUT/HR					
E36061125H	36				2500	2000	1620	1@1/4
E42061125H	42	6,000	20,478	24	2500	1900	1795	1@1/4
E48061125H	48				2500	1855	2000	1@1/4
E36091125H	36				2500	2000	1620	1@1/4
E42091125H	42	9,000	30,717	24	2500	1900	1795	1@1/4
E48091125H	48				2500	1855	2000	1@1/4

- Indicate Voltage: 1 = 120V-MTR/240V-HTR

HOT WATER / STEAM HEATED

- For use in facilities with continuously open doors or which require supplemental perimeter heating.
- Provides an economical source of heat when steam or hot water is readily available
- Treats incoming air and prevents cold air from infiltrating large areas.
- Also used as supplemental heat when operated with door closed to provide additional perimeter heating.

- Unique universal construction method designed for both low-pressure steam or hot water applications.
- Premium quality coils provide superior heat transfer effectiveness for both low-pressure steam and hot water applications.
- Universal left- or right-hand opposite end connected coils.
- Single- or double-row coils available for desired capacity.
- Constructed of highly-effective 1/2-inch copper tubing with corrugated aluminum fins.

Ordering Summary

HOT WATER <small>Based on 70°F entering air, 200°F entering water & 180° exiting water</small>						STEAM <small>Based on 5 psig steam, 70°F entering air</small>				
WIDTH* (IN)	MODEL NO.	ONE ROW		TWO ROW		MODEL NO.	ONE ROW		TWO ROW	
		CAPACITY (MBH)	TEMP RISE (F)	CAPACITY (MBH)	TEMP RISE (F)		CAPACITY (MBH)	TEMP RISE (F)	CAPACITY (MBH)	TEMP RISE (F)
1/2 HP Models										
48	E48001#50HW@	54.1	16.3	104	31.2	E48001#50HS@	81.6	24.7	-	-
60	E60002#50HW@	77.4	16.2	149	31.1	E60002#50HS@	111	23.4	-	-
72	E72002#50HW@	91.8	17.1	176	32.7	E72002#50HS@	128	24.1	-	-
84	E84002#50HW@	106	17.6	203	33.7	E84002#50HS@	145	24.1	-	-
96	E96002#50HW@	121	18.2	231	34.7	E96002#50HS@	164	24.8	-	-
108	E10803#50HW@	134	16.6	267	33.0	E10803#50HS@	186	23.0	-	-
120	E12003#50HW@	159	18.3	304	35.0	E12003#50HS@	210	24.3	-	-
132	E13203#50HW@	173	18.5	331	35.4	E13203#50HS@	226	24.2	-	-
144	E14403#50HW@	188	18.9	359	36.1	E14403#50HS@	244	24.7	-	-
3/4 HP Models										
48	E48001#75HW@	63.2	14.9	122	28.7	E48001#75HS@	94.2	22.4	180	42.7
60	E60002#75HW@	93.3	15.3	180	29.6	E60002#75HS@	131	21.7	251	41.5
72	E72002#75HW@	107	15.6	207	30.1	E72002#75HS@	148	21.7	283	41.5
84	E84002#75HW@	123	16.0	239	31.1	E84002#75HS@	168	21.8	321	41.7
96	E96002#75HW@	142	16.7	272	32.1	E96002#75HS@	189	22.4	360	42.8
108	E10803#75HW@	163	15.8	315	30.5	E10803#75HS@	215	20.8	410	39.8
120	E12003#75HW@	187	16.8	359	31.5	E12003#75HS@	242	21.9	462	41.9
132	E13203#75HW@	203	17.0	391	32.7	E13203#75HS@	261	21.9	499	41.8
144	E14403#75HW@	221	17.4	424	32.5	E14403#75HS@	282	22.3	538	42.6

- Indicate Voltage: 1 = 120/1, 2 = 200/1, 3 = /208/3, 4 = 230/3, 5 = 460/3; @ denote no. of rows

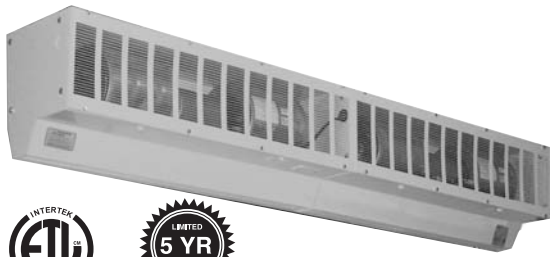
* Add 12" for total unit width

▲ Hot Water/Steam units require 6 week lead time.

HIGH VELOCITY SERIES



• For use in warehouses, manufacturing plants and other large facilities.



- Galvanized, corrosion-resistant cabinet and intake grill.
- Corrosion-resistant dual-intake scrolls.
- Precision-balanced twin stainless steel blower wheels.
- Exclusive *Smart-Trac II* Adjustable Mounting System (Pat. Pend.) allows for 6-way adjustment and alignment at the cabinet to compensate for possible overhead obstacles such as sprinkler pipes, conduit and beams. *(Optional on all models).*
- Steam and Hot Water heat available.



Ordering Summary

ORDER NUMBER	WIDTH	AIR DELIVERY @ NOZZLE OUTLET				# MOTORS @ H.P.	INPUT POWER RATING (kW)* 3-ph	APPROX. SHIP-PING WEIGHT (LBS)
		MAX VELOCITY (FPM)	AVG VELOCITY (FPM)	AVG. AIR FLOW RATE (CFM)				
1 H.P. Models								
EL36001#00LI	36"	5250	4200	3400	1@1	1.20	84	
EL38001#00LI	38"	5250	4095	3500	1@1	1.20	87	
EL42001#00LI	42"	5250	3990	3770	1@1	1.20	90	
EL48001#00LI	48"	5250	3890	4200	1@1	1.20	97	
EL60001#00LI	60"	5250	3675	4960	1@1	2.39	113	
EL72002#00LI	72"	5250	4200	6800	2@1	2.39	168	
EL76002#00LI	76"	5250	4095	7000	2@1	2.39	174	
EL84002#00LI	84"	5250	4025	7600	2@1	2.39	181	
EL96002#00LI	96"	5250	3890	8400	2@1	2.39	194	
EL10803#00LI	108"	5250	4200	10200	3@1	3.59	252	
EL12003#00LI	120"	5250	4075	11000	3@1	3.59	265	
EL13203#00LI	132"	5250	3975	11800	3@1	3.59	278	
EL14403#00LI	144"	5250	3890	12600	3@1	3.59	291	
1 1/2 H.P. Models								
EL36001#05LI	36"	5900	4130	3345	1@1 1/2	3.19	80	
EL38001#05LI	38"	5900	4015	3430	1@1 1/2	3.19	82	
EL42001#05LI	42"	5900	3895	3680	1@1 1/2	3.19	88	
EL48001#05LI	48"	5900	3780	4080	1@1 1/2	3.19	92	
EL60001#05LI	60"	5900	3540	4780	1@1 1/2	6.37	108	
EL72002#05LI	72"	5900	4130	6690	2@1 1/2	6.37	160	
EL76002#05LI	76"	5900	4015	6860	2@1 1/2	6.37	164	
EL84002#05LI	84"	5900	3930	7425	2@1 1/2	6.37	172	
EL96002#05LI	96"	5900	3780	8160	2@1 1/2	6.37	184	
EL10803#05LI	108"	5900	4130	10035	3@1 1/2	9.56	240	
EL12003#05LI	120"	5900	3990	10770	3@1 1/2	9.56	252	
EL13203#05LI	132"	5900	3875	11505	3@1 1/2	9.56	264	
EL14403#05LI	144"	5900	3780	12240	3@1 1/2	9.56	276	
3 H.P. Models								
EL36001#30LI	36"	7200	5040	4080	1@3	1.51	91	
EL38001#30LI	38"	7200	4905	4190	1@3	1.51	94	
EL42001#30LI	42"	7200	4760	4495	1@3	1.51	98	
EL48001#30LI	48"	7200	4615	4980	1@3	1.51	106	
EL60001#30LI	60"	7200	4320	5830	1@3	3.03	122	
EL72002#30LI	72"	7200	5040	8160	2@3	3.03	182	
EL76002#30LI	76"	7200	4905	8380	2@3	3.03	188	
EL84002#30LI	84"	7200	4795	9060	2@3	3.03	197	
EL96002#30LI	96"	7200	4615	9960	2@3	3.03	212	
EL10803#30LI	108"	7200	5040	12240	3@3	4.54	273	
EL12003#30LI	120"	7200	4870	13140	3@3	4.54	288	
EL13203#30LI	132"	7200	4730	14040	3@3	4.54	303	
EL14403#30LI	144"	7200	4615	14940	3@3	4.54	318	

- Indicate Voltage: 3 = 208/3, 4 = 230/3, 5 = 460/3, 6 = 600/3

* - AMP Draw maybe Estimated as Follows: 3 -ph = $\frac{\text{Power Rating} \cdot 1000}{\text{Voltage} \cdot 1.732}$

3-PHASE HIGH VELOCITY ELECTRICALLY HEATED SERIES

Applications:

For use in warehouses, manufacturing plants and other large facilities with continuously open doors or provide supplemental heat when operated with doors closed.

Heated air curtains are not designed to hold 100% of incoming cold air, as the required air velocity generated would be uncomfortable to patrons. The incoming cold air is entrained in the warm curtain of air, thus maintaining comfort levels.

Heated units also reduce the wind chill effect of personnel walking through or standing near openings.

Special Features:

- New modular designed cabinet allows 8 to 48 kilowatts of heating capacity, in lengths ranging from 42 to 144 inches.
- Large, easily accessible pre-wired control box is side mounted and features a hinged swing down access panel.
- Easily visible indicator lights on control panel alerts operator when power to the unit is on and when fan and heat are operating.
- Helical coil heating element modules are easily replaceable.
- Heating elements are thermally protected and include a pilot light feature.
- Hinged element control panel is located in front of nozzle and swings down for servicing.
- Air-flow safety sensor disables heating element in the event motor/blowers need servicing or are wired incorrectly.
- Use Wall-mounted 24-volt thermostat for temperature control. (Not Included)
- Can be operated with or without heat for winter and summer operation.
- Exclusive Smart-Trac II Adjustable Mounting System Optional on all models.



Available in:

- Three phase 60Hz, 208 volt motor and heat.
 - Three phase 60Hz, 240 / 208 volt motor and heat.
 - Three phase 60Hz, 480 volt motor and heat.
- For additional models consult factory.

MODEL NUMBER	NOZZLE WIDTH (IN)	NUMBER OF CABINETS	AIR DELIVERY @ NOZZLE OUTLET				APPROX. SHIPPING WEIGHT (LBS)	# MOTORS @ HP
			CONTROL VOLTAGE	MAX VEL (FPM)	AVG VEL (FPM)	AIRFLOW (CFM)		
1 HP Models								
E42++1#00HE	42	1	24	5250	3990	3770	109	1 @ 1
E48++1#00HE	48	1	24	5250	3890	4200	116	1 @ 1
E60++1#00HE	60	1	24	5250	3675	4960	132	1 @ 1
E72++2#00HE	72	2	24	5250	4200	6800	197	2 @ 1
E84++2#00HE	84	2	24	5250	3990	7540	210	2 @ 1
E96++2#00HE	96	2	24	5250	3890	8400	268	2 @ 1
E108++3#00HE	108	3	24	5250	4200	10200	291	3 @ 1
E120++3#00HE	120	3	24	5250	4075	10940	304	3 @ 1
E132++3#00HE	132	3	24	5250	3975	11800	317	3 @ 1
E144++3#00HE	144	3	24	5250	3890	12600	330	3 @ 1
3 HP Models								
E42++1#30HE	42	1	24	7200	4760	4495	117	1 @ 3
E48++1#30HE	48	1	24	7200	4615	4980	125	1 @ 3
E60++1#30HE	60	1	24	7200	4320	5830	141	1 @ 3
E72++2#30HE	72	2	24	7200	5040	8160	211	2 @ 3
E84++2#30HE	84	2	24	7200	4760	8990	226	2 @ 3
E96++2#30HE	96	2	24	7200	4615	9960	241	2 @ 3
E108++3#30HE	108	3	24	7200	5040	12240	312	3 @ 3
E120++3#30HE	120	3	24	7200	4870	13070	327	3 @ 3
E132++3#30HE	132	3	24	7200	4730	14040	342	3 @ 3
E144++3#30HE	144	3	24	7200	4615	14940	357	3 @ 3

++ TOTAL HEATER KW AVAILABLE (SELECT FROM BELOW)

	KW	BTU/HR	KW	BTU/HR	KW	BTU/HR
1- CABINET	08	27,320	12	40,980	16	54,640
2- CABINET	16	54,640	24	81,960	32	109,280
3- CABINET	24	81,960	36	122,940	48	163,920

NOTE: Multiply listed wattage by .75 for actual 208V rating. Maximum 15 kilowatts per cabinet at 240V.

- SELECT VOLTAGE: 3 = 208V 3-PH, 4 = 240V/208V 3-PH, 5 = 480V 3-PH.

Note: Stock Cabinet and Grille color is Neutral Gray. Other standard colors available on request include: Navajo White, Northern White, Black, Charcoal Gray, Aluminum, Statuary Bronze and Desert Tan.



HIGH VELOCITY SERIES - HOT WATER / STEAM HEATED ▲

- For use in facilities with continuously open doors or which require supplemental perimeter heating.



Featuring **HEATCRAFT®** Coils



- Provides an economical source of heat when steam or hot water is readily available.
- Treats incoming air and prevents cold air from infiltrating large areas.
- Also used as supplemental heat when operated with door closed to provide additional perimeter heating.
- Unique universal construction method designed for both low-pressure steam or hot water applications.
- Premium quality coils provide superior heat transfer effectiveness for both low-pressure steam and hot water applications.
- Universal left- or right-hand installation on all coils.
- Single- or double-row coils available for desired capacity.
- Constructed of highly-effective 1/2-inch copper tubing with corrugated aluminum fins.

Ordering Summary

WIDTH*	HOT WATER Based on 70° F Entering Air, 200° F Entering Water & 180° F Leaving Water					STEAM Based on 5 psig steam, 70° F Entering Air				
	BASE MODEL	ONE ROW		TWO ROW		BASE MODEL	ONE ROW		TWO ROW	
		Capacity (MBH)	Temp Rise (F)	Capacity (MBH)	Temp Rise (F)		Capacity (MBH)	Temp Rise (F)	Capacity (MBH)	Temp Rise (F)
1 HP Models										
48"	EL48001#00HW@	66.4	14.5	128	27.9	EL48001#00HS@	98.5	21.6	189	41.4
60"	EL60001#00HW@	98.1	14.9	190	28.7	EL60001#00HS@	137	20.9	263	40.2
72"	EL72002#00HW@	113	15.2	217	29.3	EL72002#00HS@	154	20.9	296	40.1
84"	EL84002#00HW@	129	15.5	251	30.2	EL84002#00HS@	175	21.0	336	40.4
96"	EL96002#00HW@	149	16.2	287	31.2	EL96002#00HS@	197	21.6	378	41.4
108"	EL10803#00HW@	172	15.4	332	29.7	EL10803#00HS@	224	20.0	430	38.5
120"	EL12003#00HW@	196	16.3	378	31.5	EL12003#00HS@	252	21.2	484	40.6
132"	EL13203#00HW@	213	16.5	412	31.9	EL13203#00HS@	272	21.1	523	40.5
144"	EL14403#00HW@	232	16.9	447	32.5	EL14403#00HS@	294	21.5	564	41.2
1-1/2 HP Models										
48"	EL48001#05HW@	65.2	14.6	126	28.2	EL48001#05HS@	96.9	21.9	185	41.9
60"	EL60001#05HW@	97.6	14.9	188	28.8	EL60001#05HS@	136	21	262	40.3
72"	EL72002#05HW@	112	15.3	215	29.4	EL72002#05HS@	153	21.1	293	40.4
84"	EL84002#05HW@	128	15.8	247	30.4	EL84002#05HS@	173	21.2	331	40.7
96"	EL96002#05HW@	146	16.4	281	31.5	EL96002#05HS@	194	21.9	371	41.9
108"	EL10803#05HW@	169	15.4	326	29.7	EL10803#05HS@	221	20.1	424	38.6
120"	EL12003#05HW@	194	16.5	373	31.7	EL12003#05HS@	249	21.4	478	41.4
132"	EL13203#05HW@	210	16.7	405	32.2	EL13203#05HS@	269	21.3	515	40.9
144"	EL14403#05HW@	228	17.1	439	32.8	EL14403#05HS@	290	21.8	554	41.8
3 HP Models										
48"	EL48001#30HW@	73.6	13.5	143	26.2	EL48001#30HS@	108	20	208	38.5
60"	EL60001#30HW@	110	13.8	214	26.8	EL60001#30HS@	152	19.2	293	37
72"	EL72002#30HW@	126	14.1	244	27.4	EL72002#30HS@	170	19.2	328	37.1
84"	EL84002#30HW@	143	14.4	278	28.0	EL84002#30HS@	191	19.2	368	37.1
96"	EL96002#30HW@	162	15.4	314	29.7	EL96002#30HS@	213	20.3	409	39
108"	EL10803#30HW@	188	14.0	368	27.5	EL10803#30HS@	245	18.3	471	35.2
120"	EL12003#30HW@	219	15.3	424	29.6	EL12003#30HS@	278	19.5	535	37.5
132"	EL13203#30HW@	238	15.5	461	30.0	EL13203#30HS@	300	19.5	577	37.6
144"	EL14403#30HW@	259	15.8	500	30.6	EL14403#30HS@	323	19.9	621	38.3

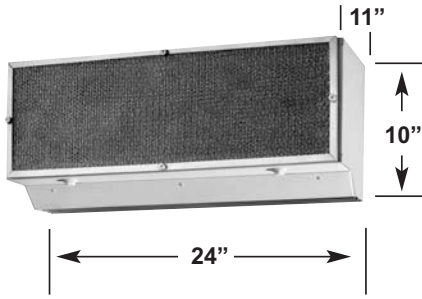
NOTE: #- Denotes Unit Voltage: 3 = 208/3, 4 = 230/3, 5 = 460/3, 6 = 600/3
@ - Indicates Number of Rows (1 or 2)

Standard coils are opposite ends connected. For pricing on same end connected coils, consult factory.

*Add 12" for total unit width

▲ Hot Water/Steam units require 6 week lead time.

24" DRIVE-THRU WINDOW UNIT



For use in restaurants, fast food windows, schools and drive-ins.

- Designed to provide protection against flies and insects, dust and odors. For service windows up to 30" wide with a maximum mounting height of 5 ft. nozzle-to-counter



Ordering Summary

MODEL NUMBER	ITEM DESCRIPTION	MAX FPM AT NOZZLE	MAX CFM AT NOZZLE	MAX FPM 2' ABOVE COUNTER	H.P.	VOLTS	MAX AMPS	APPROX. SHIPPING WEIGHT
E24001115F	With filter only.	3000	1600	750	1/15	120	1.3	25 lbs.
E24001115G	With intake grille only.	3000	1600	750	1/15	120	1.3	25 lbs.
E24001115FG	With filter and grille.	3000	1600	750	1/15	120	1.3	25 lbs.

ACCESSORIES AND CONTROLS

Door Switches

For use with all air curtains for instant activation or de-activation of unit upon door opening or closing.

- Automatic switches available for all models.
(Three-phase motors require a control panel. See below.)
- Plunger Style for hinged doors or Roller Style for sliding and track doors.

Note: not recommended for use with heated units.



C1200R
20 AMP



Ordering Summary

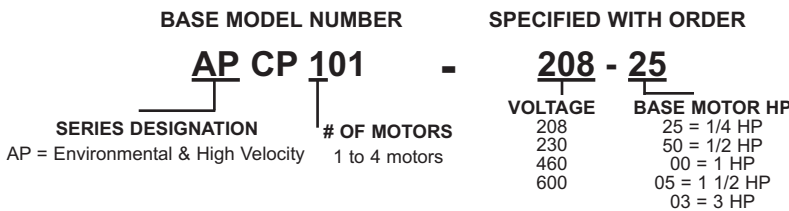
MODEL	STYLE	VOLTAGE	MAX AMPS	SHIP WT.
C1200R	Plunger/Roller	120	20	1 lb

Control Panels For three-phase air curtains requiring instant on/off automatic switches

Control Panels contain a single contactor with one adjustable overload relay per motor, control transformer with fused primary and secondary to meet NEC requirements, Hand-Off-Auto selector switch and terminal strip for power wiring and remote door switch.

MODEL BREAKDOWN

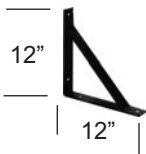
Use this example for ordering the proper control panel necessary for air curtain unit.



Ordering Summary

MODEL	# OF MOTORS	SHIP WT.
APCP101	1	20 lbs
APCP201	2	20 lbs
APCP301	3	20 lbs
APCP401	4	20 lbs

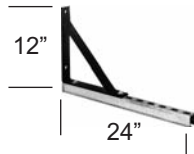
Light Duty Brackets



For wall mounting of Environmental Series.

MODEL NUMBER	SET OF	SHIP WT.
ACWBL	2	10 lbs

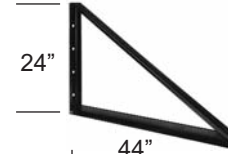
Medium Duty Brackets



For mounting of Environmental Series up to 12-inches from wall. Smart-Trac II recommended.

MODEL NUMBER	SET OF	SHIP WT.
ACWBM2	2	52 lbs
ACWBM3	3	78 lbs

Heavy Duty Brackets



For mounting of High Velocity and High Volume Series over roll-up doors. Smart-Trac II recommended.

MODEL NUMBER	SET OF	SHIP WT.
HVWB2	2	72 lbs
HVWB3	3	98 lbs

SMART TRAC II Adjustable Mounting System



- For use with suspension rod or wall mount applications.
- This unique mounting system is now available for Environmental and High Velocity Series air curtains

MODEL NUMBER	SIZE	SHIP WT.
ACSMTRK72	72"	50 lbs
ACSMTRK84	84"	50 lbs
ACSMTRK96	96"	60 lbs
ACSMTRK108	108"	65 lbs
ACSMTRK120	120"	70 lbs
ACSMTRK132	132"	75 lbs
ACSMTRK144	144"	80 lbs

Filters

- For certain applications, such as food service or sanitation, filtering the air curtains intake may be desirable.
- Washable aluminum mesh filters for Low-Profile and Environmental Series air curtains.

S= Mounts on interior behind grille
L= Exterior in place of grille

MODEL NUMBER	SIZE	SHIP WT.
24" Drive-Thru		
APF2400S	24"	1 lb
APF2400L	24"	1 lb
Low-Profile		
CLPF3600L	36"	1 lb
CLPF4800L	48"	1 lb
CLPF6000L	60"	1 lb
Environmental		
APF3600S	36"	2 lbs
APF3800S	38"	2 lbs
APF4200S	42"	2 lbs
APF4800S	48"	3 lbs
APF6000S	60"	4 lbs
APF3600L	36"	2 lbs
APF3800L	38"	2 lbs
APF4200L	42"	2 lbs
APF4800L	48"	3 lbs
APF6000L	60"	4 lbs

Grilles

- Optional anodized aluminum architectural grille for Environmental and Low-Profile Series air curtains.

Environmental

MODEL NUMBER	SIZE	SHIP WT.
API036A	36"	5 lbs
API048A	48"	6 lbs
API060A	60"	7 lbs

Tamper Resistant Kit

- For use in schools, hospitals, correctional facilities or other locations prone to vandalism.
- Prevents unauthorized access to air curtain.
- Complete tool and hardware package provided.

MODEL NUMBER	SHIP WT.
ACTRK	2 lbs

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