

MODELS L2 & L3 - LEVEL 2 & 3
BELT DRIVE SIDEWALL PROPELLER FANS

Size	HP	Open			TE		Open-2 Spd- 1800/1200		Exp. Proof (5)	
		1 PH		3 PH	1 PH	3 PH	1 PH	3 PH 460V (3)	1 PH	3 PH
		115V	115/208/230V (4)	208/230/460V (1)	115/208/230V (4)	208/230/460V (1)	115V (2)		115/230V	230/460V
24 L2	1/4	Y	Y	Y	Y	Y	-	-	Y	-
	1/3	Y	Y	Y	Y	Y	Y	-	Y	-
	1/2	Y	Y	Y	Y	Y	Y	-	Y	Y
	3/4	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1 1/2	Y	Y	Y	Y	Y	-	Y	-	Y
	2	Y	Y	Y	Y	Y	-	Y	-	Y
30 L2	1/3	Y	Y	Y	Y	Y	Y	-	Y	-
	1/2	Y	Y	Y	Y	Y	Y	-	Y	Y
	3/4	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1 1/2	Y	Y	Y	Y	Y	-	Y	-	Y
	2	Y	Y	Y	Y	Y	-	Y	-	Y
	3	-	-	Y	-	Y	-	Y	-	Y
36 L2	1/2	Y	Y	Y	Y	Y	Y	-	Y	Y
	3/4	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1 1/2	Y	Y	Y	Y	Y	-	Y	-	Y
	2	Y	Y	Y	Y	Y	-	Y	-	Y
	3	-	-	Y	-	Y	-	Y	-	Y
	5	-	-	Y	-	Y	-	Y	-	Y
42 L2	1/3	Y	Y	Y	Y	Y	Y	-	Y	Y
	1/2	Y	Y	Y	Y	Y	Y	-	Y	Y
	3/4	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1 1/2	Y	Y	Y	Y	Y	-	Y	-	Y
	2	Y	Y	Y	Y	Y	-	Y	-	Y
	3	-	-	Y	-	Y	-	Y	-	Y
48 L2	1/2	Y	Y	Y	Y	Y	Y	-	Y	Y
	3/4	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1	Y	Y	Y	Y	Y	Y	Y	Y	Y
	1 1/2	Y	Y	Y	Y	Y	-	Y	-	Y
	2	Y	Y	Y	Y	Y	-	Y	-	Y
	3	-	-	Y	-	Y	-	Y	-	Y
	5	-	-	Y	-	Y	-	Y	-	Y
54 L2	1	Y	Y	Y	Y	Y	-	-	Y	Y
	1 1/2	Y	Y	Y	Y	Y	-	Y	-	Y
	2	Y	Y	Y	Y	Y	-	Y	-	Y
	3	-	-	Y	-	Y	-	Y	-	Y
	5	-	-	Y	-	Y	-	Y	-	Y
	7 1/2	-	-	Y	-	Y	-	Y	-	Y
	10	-	-	Y	-	Y	-	Y	-	Y
60 L2	1	Y	Y	Y	Y	Y	-	-	Y	Y
	1 1/2	Y	Y	Y	Y	Y	-	Y	-	Y
	2	Y	Y	Y	Y	Y	-	Y	-	Y
	3	-	-	Y	-	Y	-	Y	-	Y
	5	-	-	Y	-	Y	-	Y	-	Y
	7 1/2	-	-	Y	-	Y	-	Y	-	Y
	10	-	-	Y	-	Y	-	Y	-	Y
72 L3	1	Y	Y	Y	Y	Y	-	-	Y	Y
	1 1/2	Y	Y	Y	Y	Y	-	Y	-	Y
	2	Y	Y	Y	Y	Y	-	Y	-	Y
	3	-	-	Y	-	Y	-	Y	-	Y
	5	-	-	Y	-	Y	-	Y	-	Y
	7 1/2	-	-	Y	-	Y	-	Y	-	Y
	10	-	-	Y	-	Y	-	Y	-	Y

- (1) 208/230/460V ODP. Specify voltage required.
- (2) 115V. Two disconnects required or 6 pole type. Refer to local codes.
- (3) 460V. Must specify voltage. Two disconnects required or 6 pole type. Refer to local codes.
- (4) 115/208/230. Specify voltage required.
- (5) Exp Proof Motor: Class 1 Gp D, and Class II Gp F & G. No other class or group available. Customer responsible for proper application. Local codes must be followed. Disconnect excluded. Must order aluminum blades with exp proof motors. See accessories.

Motors come with Thermal Overload Protection as standard.

UL 705 must be ordered if required.

*Motors are not available UL 705.

- STANDARD L2 AND L3 FEATURES:**
- Welded galvanized steel construction.
 - Galvanized steel blades bolted to epoxy coated keyed hub.
 - Adjustable motor pulley through 3HP.
 - Cast pillow block bearings.
 - (Air Handling design with grease fitting.)
 - Static resistant belts.
 - Zinc coated fasteners

OPTIONS & ACCESSORIES
MODELS L2 & L3 - LEVEL 2 AND 3
BELT DRIVE SIDEWALL PROPELLER FANS

Supply & Construction Options		Fan Size							
		24	30	36	42	48	54	60	72
Supply Add - L2S/L3S (1)		Y	Y	Y	Y	Y	Y	Y	Y
Alum Blade Add (2)	To 5HP	Y	Y	Y	Y	Y	Y	Y	-
	Over 7 1/2 - 10HP	-	-	-	Y	Y	Y	-	-
All Alum Panel & Blade - List Add (3)	To 5HP	Y	Y	Y	Y	Y	Y	-	-
	7 1/2HP- 10HP				Y	Y	Y	-	-
Reversible Blade - Alum Max 10HP (4)	Exhaust/Supply	Contact Factory							

(1) **Supply** - Add to list for supply style fan. Specify Model L2S/L3S for supply. **We strongly recommend motorized damper (and rainhood)**

for all supply applications.

(2) **Alum Blade** - Has steel center hub.

(3) **Alum List Add** - Includes panel, pipe support, and blade wings. Blade hub is steel. Motor and bearing supports will be galvanized steel on all horsepower models, includes stainless steel fasteners.

(4) **Reversible Blades** - Used to make unit a 2 way unit (supply/exhaust). If backdraft damper is required, the center pivoted style is required. Available on Three Phase ONLY. See note #19. Blades will be extruded aluminum with higher rpm required than shown in catalog.

UL Options	Fan Size							
	24	30	36	42	48	54	60	72
UL 705 Listing Label (See fan pricing for availability) (5)	Y	Y	Y	Y	Y	Y	Y	Y

(5) **UL705** - Must be specified when ordered. Cannot be added in field.

Coating Options		Fan Size							
		24	30	36	42	48	54	60	72
Epoxy (Gray) (6) (9)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y
Air Dry Phenolic (Heresite) (7) (9)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y
Eisenheiss (Synthetic Resin) (8) (9)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y
Special Color (Paint Chip required)		Y	Y	Y	Y	Y	Y	Y	Y

(6) **Epoxy Coating** - (Gray) For use in alkaline type atmosphere (not for use in acetic and nitric acids). Epoxy forms an excellent hard, heavy film barrier against chemical attack as well as physical damage from direct impact and abrasion. Heat resistant up to 250 degrees F.

(7) **Air Dry Phenolic (Heresite)** - Protection against salt atmosphere, humidity and mildly corrosive chemical conditions up to 150 degrees F.

(8) **Synthetic Resin (formerly Eisenheiss)** - A two coat air dry finish effective preventing corrosion by acids, alkalis, fumes, steam and condensation.

INSIDE & OUTSIDE COVERAGE ONLY. For special color (Paint Chip required), add \$99 to paint cost. NOTE: There is no additional charge for coating the flat wire guards/birdscreens.

OPTIONS & ACCESSORIES (cont.)
MODEL L2 & L3- LEVEL 2 & 3
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Mounting Arrangements		Fan Size							
		24	30	36	42	48	54	60	72
Assembled Wall Housing Pack: Wall Housing, Rear Guard and Gravity Damper Ships Assembled (10)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y
Wall Housing (11)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y
Filtered Wall Housing - Supply or Exhaust (12)	MAX CFM	10440	16560	20880	26100	31320	39150	39150	-
	Bolted Access Door (std)	Y	Y	Y	Y	Y	Y	Y	-
	Hinged Access Door	Y	Y	Y	Y	Y	Y	Y	-
Wall Collar (13)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y

(10) **Assembled Wall Housing Pack** - Includes wall housing, gravity damper attached and rear OSHA 1/2" x 1" wire wall housing guard. Unit ships completely assembled with fan. See #11 for more details.

(11) **Wall Housing** - Factory assembled wall housings are used to facilitate mounting fans with their accessories in a wall. The housing may be positioned inside or outside the building per the customer's preference or application. Typically, the wall housing for exhaust applications incorporates a damper on the exterior of the building and a guard on the interior of the building. On supply applications, a rainhood is highly recommended to help prevent moisture from being pulled into the building. Wall housing mounted on exterior of building will require weatherproof caulking. Depending on mounting style, support by others may be required.

(12) **Filtered Wall Housing** - For L2 fans only, cannot be used on L3 fans. Includes Wall Housing and Filter Box. Standard construction is galvanized steel. 3 sets of 4 mounting flanges (1 set mounted to filter box and 2 sets shipped loose) included to mount filter box to wall housing and to mount filtered wall housing to the wall. Permanent 2-inch (51 mm) washable filters are accessed through a bolted panel (Hinged door optional) and can be easily removed for cleaning. Refer to current submittal for details. Single Point Wiring cannot be used with Filter Box. Filter Box shipped loose from Wall Housing.

(13) **Wall Collar** - The collar projects inward through the wall. It insures proper mounting of fan and front guard or damper. Refer to current submittal for details. Motorside guard not available with wall collar. Used when fan is mounted a minimum of 10' off floor or out of reach of personnel.

OPTIONS & ACCESSORIES (cont.)
MODEL L2 & L3- LEVEL 2 & 3
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Mounting Arrangement Accessories		Fan Size								
		24	30	36	42	48	54	60	72	
Front or Rear Wall Housing Guard or Front Wall Collar Guard (14)	STD	Y	Y	Y	Y	Y	Y	Y	Y	
	HD	Y	Y	Y	Y	Y	Y	Y	Y	
Rainhood (15)	Exh 45°	Exhaust Assembled	Y	Y	Y	Y	Y	Y	Y	Y
		Exhaust KD	Y	Y	Y	Y	Y	Y	Y	Y
	Sup 90°	Supply Assembled	Y	Y	Y	Y	Y	Y	Y	Y
		Supply KD	Y	Y	Y	Y	Y	Y	Y	Y
Birdguard for Rainhood (15)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y	
Angle Mounting Flanges (16)	Set	Y	Y	Y	Y	Y	Y	Y	Y	
Damper Std Duty Automatic (17)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y	
Damper Motor (18)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y	
Center Pivot Motorized H.D. (19)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y	
Step Down Damper Transformer (20)		Y	Y	Y	Y	Y	Y	Y	Y	
Delay Switch (Motorized Supply) (21)	5HP or larger	-	-	Y	Y	Y	Y	Y	Y	
Damper Birdscreen (22)		Y	Y	Y	Y	Y	Y	Y	Y	
Bearing Lube Lines (Wall Housing) (23)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y	
Extended Wiring (24)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y	
Single Point Wiring (25)	Exhaust/Supply	Y	Y	Y	Y	Y	Y	Y	Y	

(14) **Rear or Front Wall Housing Guard and Front Wall Collar Guard** - Standard is 1/2" x 1" galvanized wire. HD uses aluminum expanded metal. Both are OSHA approved. Can only be used as front guard on wall collar.

(15) **Rainhood** - Refer to current submittal for details. When ordered knocked down, includes instructions and hardware. 90 degree supply style must be used with supply fan to prevent water entry. Rainhood attaches to wall housing or wall collar flanges. Birdguard is 1/2" x 1" galvanized wire and ships as ordered with rainhood.

(16) **Angle Flanges** - Angles attach to wall box to provide the means of attachment to the wall. Four (4) angles ship KD.

(17) **Damper** - Aluminum damper blades std through 3HP - Galvanized blades std. for 5HP and above.

(18) **Damper Motor** - Proper clearance must exist (minimum 12 inches). Damper motor kits and dampers ship separate with instructions and mounting hardware. Supply dampers frame extends outward, approx. 3 inches. See current submittal. We strongly recommend motorized damper and rainhood for all supply applications.

(19) **Center Pivoted Motorized H.D.** - Required on all reversible fan applications, for tighter sealing, and on high CFM applications. Units ship separate and FFA from supplier. Standard voltage is 1/120/230. Order a Step Down Damper Transformer for other voltages (see #20). Refer to current submittal. Max 20HP.

(20) **Step Down Damper Transformer** - Step down 208/230/460V to 115V. Ships separate.

(21) **Delay (Tilt) Switch** - For motorized applications. Must use on 5HP and higher HP.

(22) **Damper Birdscreen** - Consists of 1/2" x 1" galvanized wire. For standard and heavy-duty damper only. NOT FOR CENTER PIVOTED DAMPERS.

(23) **Bearing Lube Lines** - Extend from shaft bearings to rear exterior of wall housing.

(24) **Extended Wiring (Fan motor only)** - Motor pigtail is extended to rear exterior of wall housing. Not available on explosion proof or 2 speed motors. Specify voltage.

(25) **Single point wiring fan motor/damper motor** - Fan motor and damper motor(s) individually wired to single box if same voltage. If different voltage, separate boxes are used. Specify Voltage. Step Down Damper Transformers ship knocked down.