

Belt Drive Propeller Fans

Wall Mount Cabinet Belt-Drive Exhaust Fans

Wall Mount Cabinet Exhaust fans are designed for use with light to medium duty applications such as factories, warehouses, foundries and laundries. Each unit is shipped fully assembled with wall collar, guard and damper for easy installation.

Agency Listing

- All ventilators are UL Standard 705 listed
- Ventilators are CSA listed according to Standard C22.2 No. 113-M1984 (Fans & Ventilators)

Features and Specifications

- Shipped completely assembled with wall shutter and guard, and ready to install
- Wall-mounting brackets included
- All galvanized steel construction with baked-on powder-coated propellers

- Low RPM for quiet operation
- 60 Hz, single or three phase, TEAO ball-bearing type motors
- Variable pitch sheaves allow reduction of fan speed and air performance up to 25%
- Maximum inlet temperature is 120°F
- High-efficiency propellers and press-fit pillow block bearings
- Guards comply with OSHA Standard 1910.212, 1/2" max. opening requirement

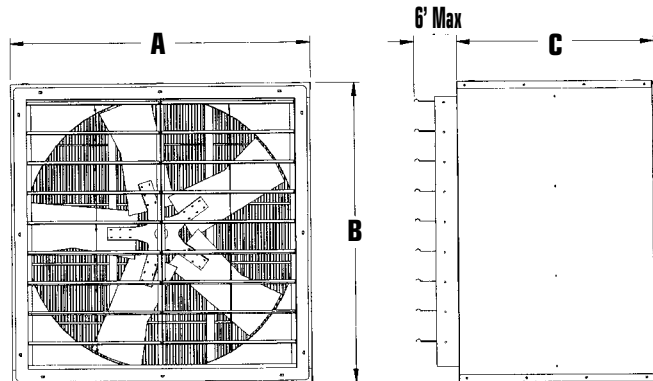
Accessories (available separately)

- For more information, see Wall Fan Accessories
- Weatherhood.
- Disconnect Switches.



Fentech, Inc. and Systemair Mfg. Inc. certify that the Wall Mount Cabinet Belt-Drive Exhaust Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Model No.	Prop. Dia. (In.)	Dimensions (In.)			Optional Accessories Weatherhood Model No.
		A	B	C	
1WMC24	24	28-1/4	28-1/4	24-1/4	1ACC24WH
1WMC30	30	34-1/4	34-1/4	25-1/4	1ACC30WH
1WMC36	36	40-1/4	40-1/4	26-1/4	1ACC36WH
1WMC42	42	46-1/4	46-1/4	28-1/4	1ACC42WH
1WMC48	48	54-1/4	54-1/4	28-1/4	1ACC48WH
1WMC54	54	60-1/4	60-1/4	47-3/4	1ACC54WH



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Model No.	HP	RPM	TS (FPM)	Max. BHP#	0.0" SP	0.125" SP	0.250" SP	Totally Enclosed Capacitor Motor 115/230V, 60 Hz	Totally Enclosed 3-Phase Motor 208-220/440V, 60 Hz
					Sonest†	Sonest†	Sonest†	Total Ship Wt. (lbs.)	Total Ship Wt. (lbs.)
1WMC24	1/2	800	5026	0.56	5230	4410	3530	1WMC24D2	—
					—	16.1	—	123	—
1WMC24	3/4	920	5780	0.82	6015	5335	4545	—	1WMC24EY
					—	19	—	—	123
1WMC30	1/2	680	5341	0.81	8645	7430	5835	1WMC30E2	—
					—	16.7	—	176	—
1WMC30	1	750	5890	1.09	9535	8455	7130	—	1WMC30FY
					—	22	—	—	176
1WMC36	1	585	5513	0.99	12395	10640	8125	1WMC36F2	—
					—	20	—	196	—
1WMC36	1 1/2	677	6380	1.53	14345	12880	11160	—	1WMC36GY
					—	26	—	—	196
1WMC42	1	445	4893	0.88	14725	11115	6820	1WMC42F2	—
					—	18.4	—	242	—
1WMC42	1 1/2	530	5827	1.42	17540	14745	10800	—	1WMC42GY
					—	22	—	—	242
1WMC48	1	378	4750	0.88	18345	13910	6025	1WMC48F2	—
					—	23	—	288	—
1WMC48	2	480	6032	1.82	23295	20310	14720	—	1WMC48HY
					—	25	—	—	288
1WMC54	5	693	9797	5.74	38420	36168	33686	—	1WMC54KY
					—	46	—	—	635

Performance certified is for installation type A: Free Inlet, Free Outlet. # Power rating (BHP) does not include transmission losses. Performance ratings include the effects of shutter and guard. † The sound ratings are loudness in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet hemispherical sone levels.

Typical Specifications:

Wall Mount Cabinet Exhaust Fans

Wall Mount Cabinet Exhaust fans shall be axial belt-drive type. The propeller shall be constructed of steel. Propellers shall be statically balanced. The fan housing shall be constructed of galvanized steel with a rigid steel support structure. Motors shall be readily accessible for maintenance. Steel shafts shall be turned, ground-polished and mounted in permanently sealed and lubricated ball bearings. Bearings shall be selected for a minimum life (L50) in excess of 200,000 hours at maximum cataloged operating speed. Drives shall be sized for a minimum of 150% of driven horsepower. Pulleys shall be fully machined cast iron type, keyed and securely attached to the fan and motor shafts. All fans shall bear the AMCA Certified Ratings Seal for sound and air performance. Each fan shall bear a permanently affixed manufacturer's nameplate containing model number and carry a one-year warranty. Fans shall be Fantech Model Wall Mount Cabinet Belt-Drive Exhaust Fans as manufactured by Systemair Mfg. Inc., Lenexa, Kansas.