



MM-ENGINEERING AXIAL FANS



General Description:

AMCO Axial Flow Fans remove & dispense contaminated air from industrial processes which generate dust, steam, heat or other noxious emission.

Direct Drive and Vee Belt types are available in a comprehensive range with fan diameters ranging from 300mm to 2500mm.

AMCO Direct Flow Fans are ideal for ducted extraction of relatively clean air, such as with spray booths, dust, heat and steam.

The Vee Belt models are specifically designed for high temperatures, or highly flammable or corrosive fumes. If required, drum casings can be proofed for protection against specific corrosives (e.g. stainless steel or alloy casings).

Both of the AMCO Axial Flow Fan types are available using adjustable pitch GRP (glass fiber reinforced polypropylene), or cast aluminium aerofoil impellers. The drum is manufactured of 3, mild steel, primed with red oxide and enamel finished. The units are fitted with Single Phase 240V or Three Phase 415V, heavy duty motors of rugged construction, which incorporate sealed ball bearings to reduce operating noise. Long life bearings reduce levels of mechanical wear, and the Vee Belt models have a removable inspection plate giving ready access, easy cleaning and servicing of blades and the bearing drive assembly.

AXIAL FANS

Technical Advice:

AMCO have technical consultants available to advise and help you choose the correct Axial Fan.

AMCO Products, Availability:

AMCO products include Circulators, Axial Fans, Tube Axial Fans, Centrifugal Blowers, Cooling Tower Fans, Industrial and Rural Roof and Wall Fans, Heater Fans and Mancoolers, and the range is available direct from Industrial Fan Equipment and the company's authorised dealers.

Motors:

Direct Drive and Vee Belt Drive Axial Fans are fitted with a heavy duty motor with sealed ball bearings for quiet running. All motors are totally enclosed, with weatherproof and tropic proof enclosure available upon request.



Optional Accessories:

Mounting feet, inlet cones, guards, matching flanges, spring hangers and RIS mounts are all available on request.

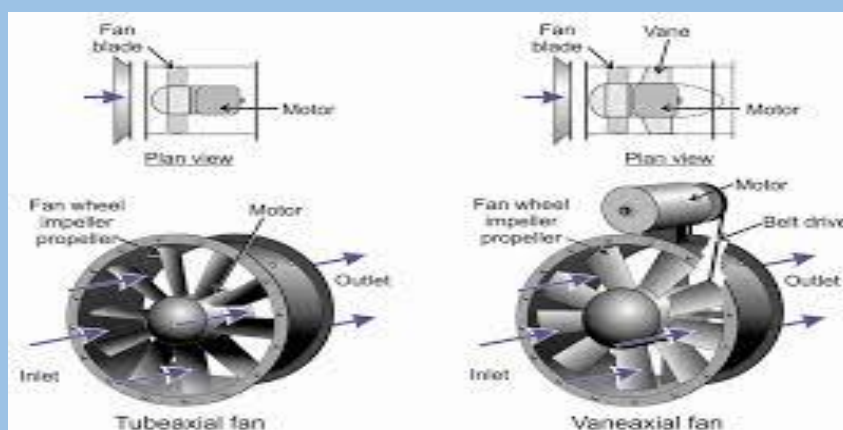
Installation & Maintenance:

The procedures as outlined in AMCO installation, operation and maintenance instructions (separate leaflet), should be followed to ensure satisfactory performance and service life.

Warranty:

Twelve months guarantee on mechanical componentry subject to satisfactory maintenance with assessment and rectification, if any, to take place after return by customer to AMCO workshop.

DRAWING DISCRPTION:



AXIAL FANS

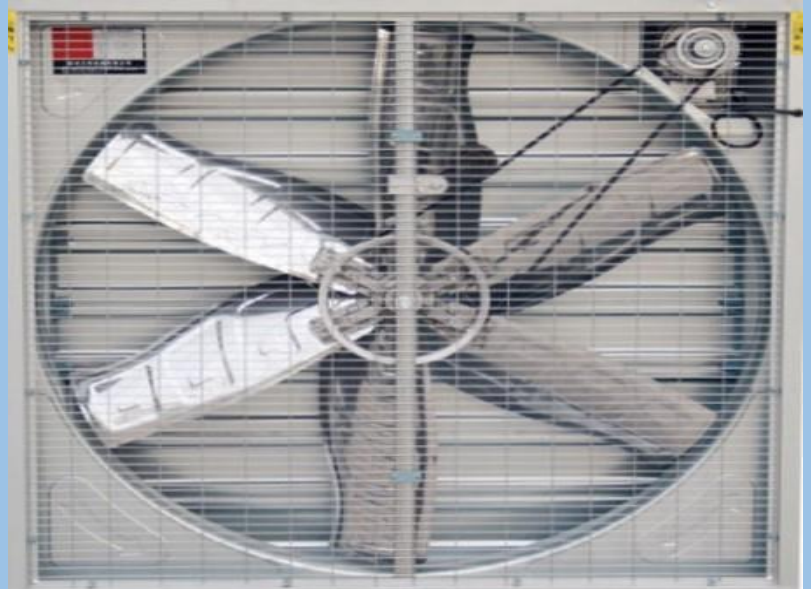
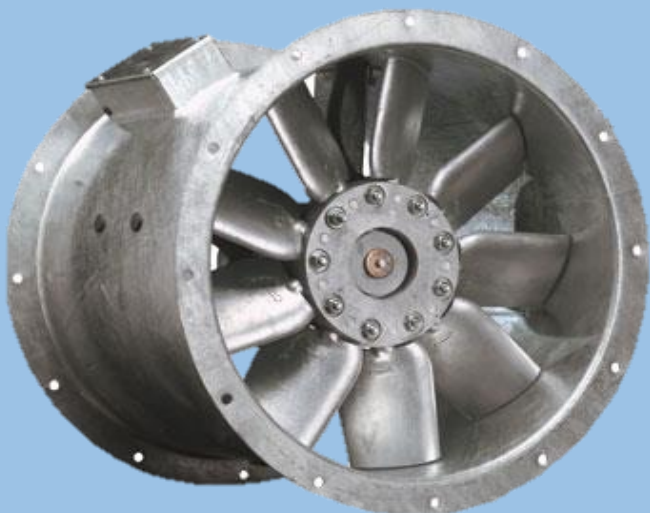
Tube Axial Fans:

AMCO Fans Manufacturers Fourteen Size of “Tube Axial Fans”, “Tube Fans or “Tube Axial Dust Fans” with different Models and Spark Resistant, Cast Aluminum Propellers or Heavy-Duty Steel Propellers. Stainless Steel Propellers are All Stainless Steel Fans are Also Available. Fans Pressure Range 0.35” ~ 6.5 W.G.

Applications:

A few of the Application of this Product Include.

- Dust Hood Exhaust
- Electrical Cabinet Cooling
- Electrical Resister Cooling
- Exhaust Steam
- Fume Exhaust
- Air Make-up
- Air Purge Ventilation
- Commercial Fryers Exhaust
- Compressor Room Exhaust
- Dryer Oven Exhaust
- Humidification Plants
- Silo Ventilation
- Textile Steam & Dryer Exhaust
- welding Booth & Hall
- Wood Molding Machinery
- Glass Cooling
- Marine Service
- Motor Cooling
- Paint Spray Booth
- Power Booth
- River Boat Engine Room
- Power House Ventilation



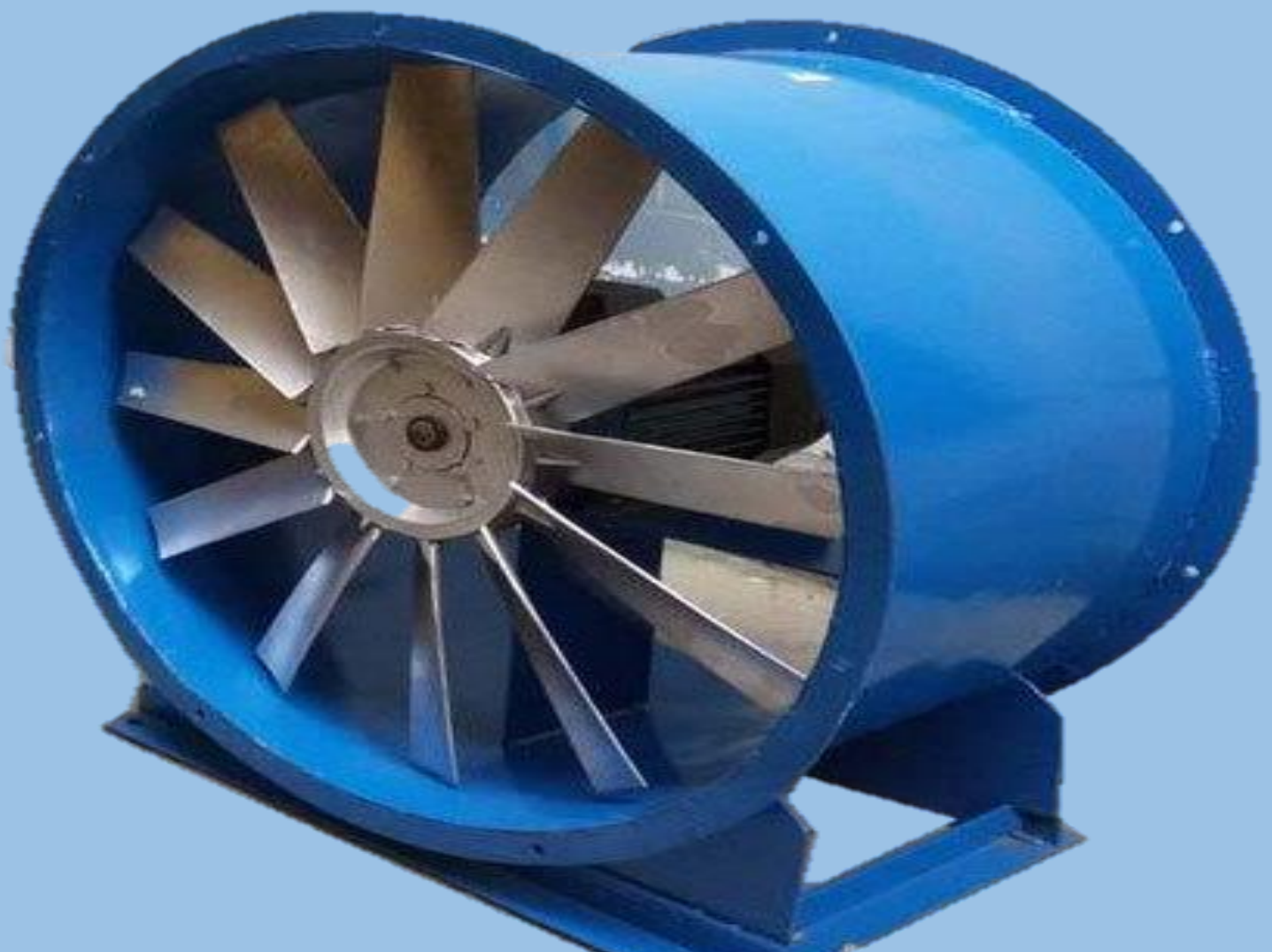
AXIAL FANS

Axial Flow Fans or **Industrial Axial Fans** use a propeller to draw the Air into the fan & discharge it in the same axial direction. The Most Common types of **Industrial Axial Fan** are: **Tube Axial Fans or (Dust Fan), Panels Fans or (Wall Fans), Personal Coolers & Air Circulators.**

Axial Fans are all typically used exhausting dirty air or fumes from processes (Such is paint spray booths), Supplying fresh air & general spot cooling of people, rooms or Machinery.

They are designed to handle large volume of air rated in cubic feet of air per minute (CFM) and are generally available in booth direct driven models with the propeller mounted on the motor shaft, & belt driven models.

The material use in the construction of Industrial Axial fans are typically Mild Steel. However, certain application may require Aluminum propellers or all Aluminum for spark resistance & stainless Steel or coating for chemical resistance. Certain Applications may also require that the fan be belt driven with the motor outside the air stream & not subject to air stream conditions such is high Temperatures, excessive dirt or caustic contaminants. Please see the following selection table.



AXIAL FANS



AXIAL PROPELLER FANS ALUMINUM PROPELLER

Model No.	Air Flow CFM	Fan Round DIA (OD) Inch	Square Panel Dimensions Inch	Static Pressure Inwg	Motor		Fan Dia (ID) Inch
					HP	RPM	
AMCO-12	810	15"	15" x 15"	0.35	0.5	1450	12
	520			0.16	0.5	960	
AMCO-16	1620	19"	19" x 19"	0.6	0.5	1450	16
	1050			0.25	0.5	960	
AMCO-20	3225	24"	24" x 24"	0.99	1.0	1450	20
	2100			0.45	0.5	960	
AMCO-24	5650	28"	28" x 28"	1.39	2.0	1450	24
	3420			0.57	1.0	960	
AMCO-28	9550	32"	32" x 32"	2.2	5.0	1450	28
	6100			0.98	1.5	960	
AMCO-30	13900	34"	34" x 34"	2.89	7.5	1450	30
	8850			1.72	2.0	960	
AMCO-36	15910	40"	40" x 40"	3.49	10	1450	36
	10500			1.5	3.0	960	
AMCO-40	29520	44"	44" x 44"	4.31	15	1450	40
	18230			1.9	5.0	960	
AMCO-45	38100	49"	49" x 49"	5.49	20	1450	45
	24310			2.14	7.5	960	
AMCO-48	48125	52"	54" x 54"	6.31	25	1450	48
	31500			2.5	10	960	
AMCO-56	51200	60"	62" x 62"	2.9	15	960	56
AMCO-60	62300	64"	66" x 66"	2.15	25	960	60
AMCO-72	75300	78"	80" x 80"	2.65	40	760	72
AMCO-96	115000	102"	104" x 104"	2.1	60	485	96

AXIAL PROPELLER FANS STEEL PROPELLER

Model No.	Air Flow CFM				Round Flange DIA Inches (OD)	Square Panel Dimensions Inch	Motor		Fan Dia (ID) Inch
	1/8"	1/4"	1/2"	3/4"			HP	RPM	
AMCO-12	1250	1150	695	500	15"	16" x 16"	0.5	1450	12"
AMCO-16	2500	2300	1650	1425	19"	22" x 22"	0.5	1450	16"
AMCO-18	3808	3660	3400	2930	21"	21" x 21"	0.5	1450	18"
AMCO-20	4360	4175	3720	2795	24"	23" x 23"	1.0	1450	20"
AMCO-24	8000	7800	7295	6487	28"	28" x 28"	1.0	1450	24"
AMCO-30	9105	8495	6245	4310	34"	34" x 34"	1.5	1450	30"
AMCO-36	14100	12583	8915	6100	40"	40" x 40"	2.0	960	36"
AMCO-42	26693	25306	21715	14880	46"	46" x 46"	5.0	960	42"
AMCO-48	37965	36195	31840	25710	52"	52" x 52"	7.5	960	48"

AMCO

INDUSTRIES

M.M. ENGINEERING

Head Office#201, 2nd Floor, Al Amin Tower, Main NIPA Chowrangi Gulshan-e-Iqbal, Block-10, Karachi.

Telephone : (021)-34832576, 34832577

Mobile : 0300-2538029

Mail : info@mmengr.com

Web Address : <https://www.mmengr.com>