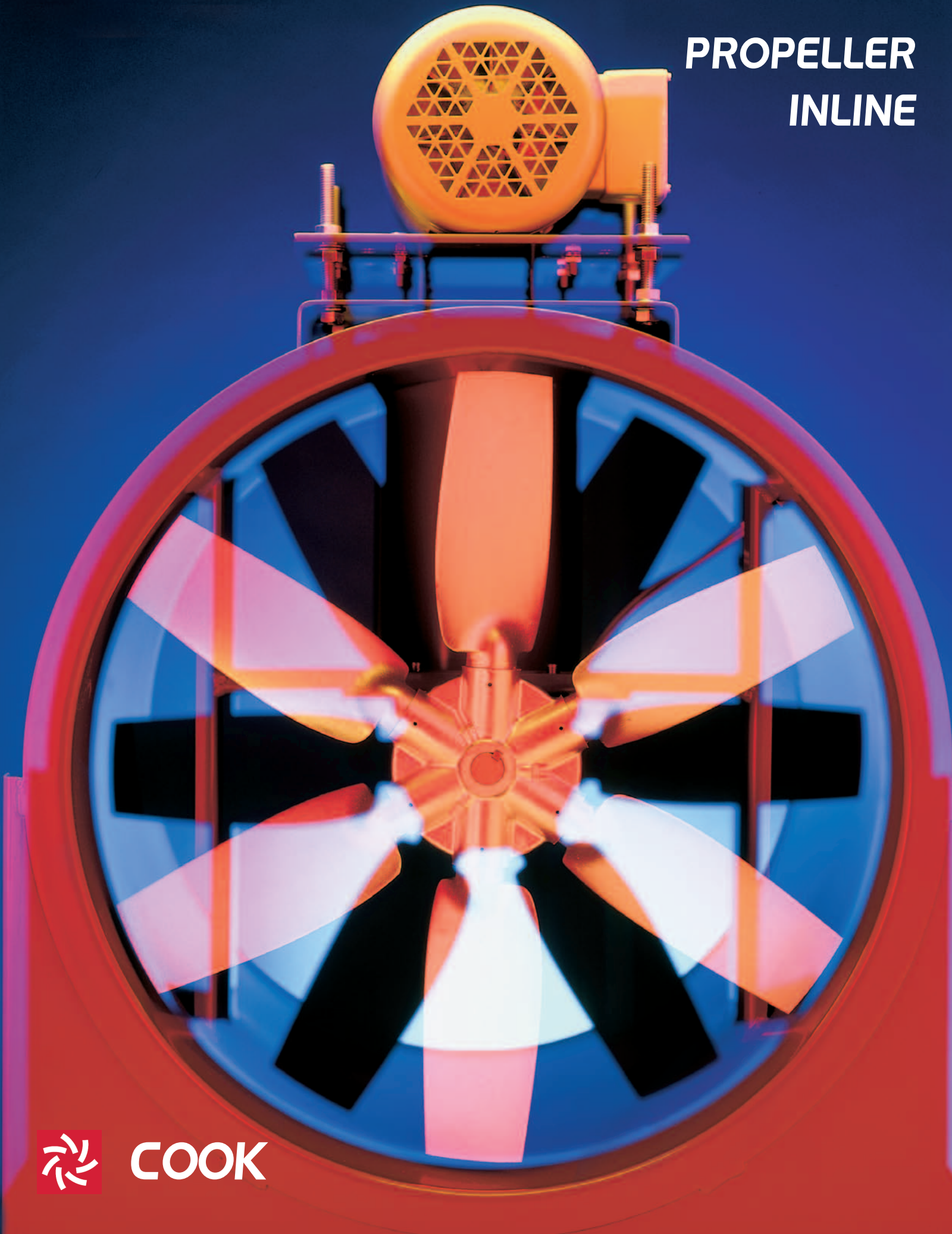


PROPELLER INLINE

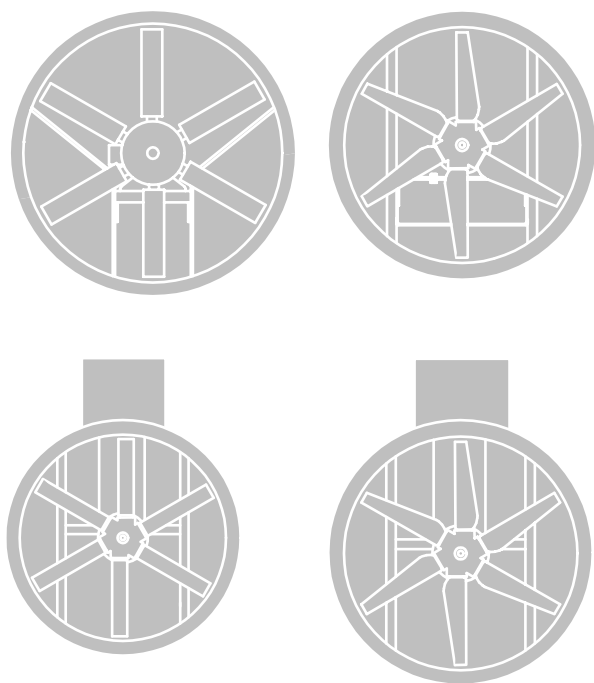


COOK

Propeller Inline

Tube Axial Fans

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INTRODUCTION

Loren Cook Propeller Inline Fans, TID, TIB, ADD, ADB, EDD, and EDB are designed to be easily mounted in any orientation in either ducted or non-ducted systems. All units include integral inlet and outlet flanges for direct in-line mounting. The units are produced in an ISO 9001 certified facility and are listed by Underwriters Laboratories (UL 705) and UL Listed for Canada (cUL 705).

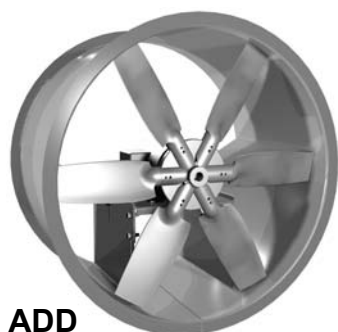


TID



TIB

- TIB & TID utilize the **COOK Triton** steel propeller.
- TID is a direct drive unit available in 8 sizes from 20 to 60 inches. Performance ranges from 2,700 to 64,000 CFM, with static pressures from 0 to 1 inch.
- TIB is a belt drive unit available in 9 sizes from 20 to 72 inches. Performance ranges from 2,800 to 98,000 CFM, with static pressures from 0 to 1.25 inches.
- TIB is available with UL/cUL listing for "Power Ventilator for Smoke Control Systems".

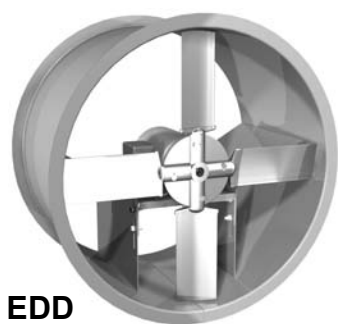


ADD



ADB

- ADD and ADB utilize the **COOK "A Series"** cast aluminum airfoil propeller.
- ADD is a direct drive unit available in 4 sizes from 12 to 24 inches. Performance ranges from 300 to 8,000 CFM, with static pressures from 0 to 1/2 inches.
- ADB is a belt drive unit available in 7 sizes from 16 to 48 inches. Performance ranges from 1,600 to 38,000 CFM, with static pressures from 0 to 1/2 inches.



EDD



EDB

- EDD and EDB utilize the **COOK "E series"** extruded aluminum airfoil propeller.
- EDB is licensed to bear the AMCA Certified Ratings Seal for Air Performance.
- EDD is a direct drive unit available in 5 sizes from 24 to 48 inches. Performance ranges from 1,800 to 44,000 CFM, with static pressures from 0 to 1 inches.
- EDB is a belt drive unit available in 7 sizes from 24 to 60 inches. Performance ranges from 3,400 to 73,000 CFM, with static pressures from 0 to 1 inches.



“Triton Series” – Steel Propeller

- Designed using Computational Fluid Dynamics (CFD) and Finite Element Analysis (FEA) to provide optimum air flow, efficiency, quality and durability.
- Constructed of heavy gauge steel components in a fully welded assembly.
- Designed for large volumes of air at medium pressure levels.
- Statically and dynamically balanced for vibration free operation.



“A Series” – Cast Aluminum Airfoil Propeller

- Designed for heavy commercial or industrial applications where large volumes of air are required at low static pressures.
- Constructed of heavy gauge aluminum with 6 cast blades and a cast hub.
- Blade pitch is determined at the factory and the blades are locked into place with roll pins.
- Statically and dynamically balanced for vibration free operation.

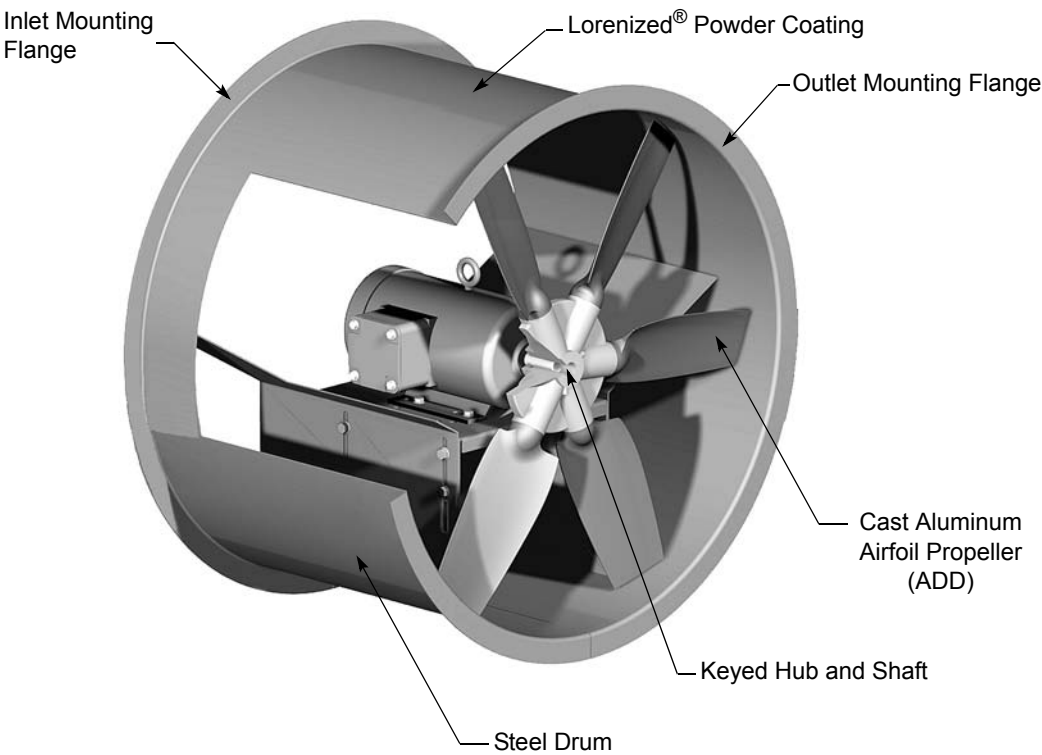


“E Series” – Extruded Aluminum Airfoil Propeller

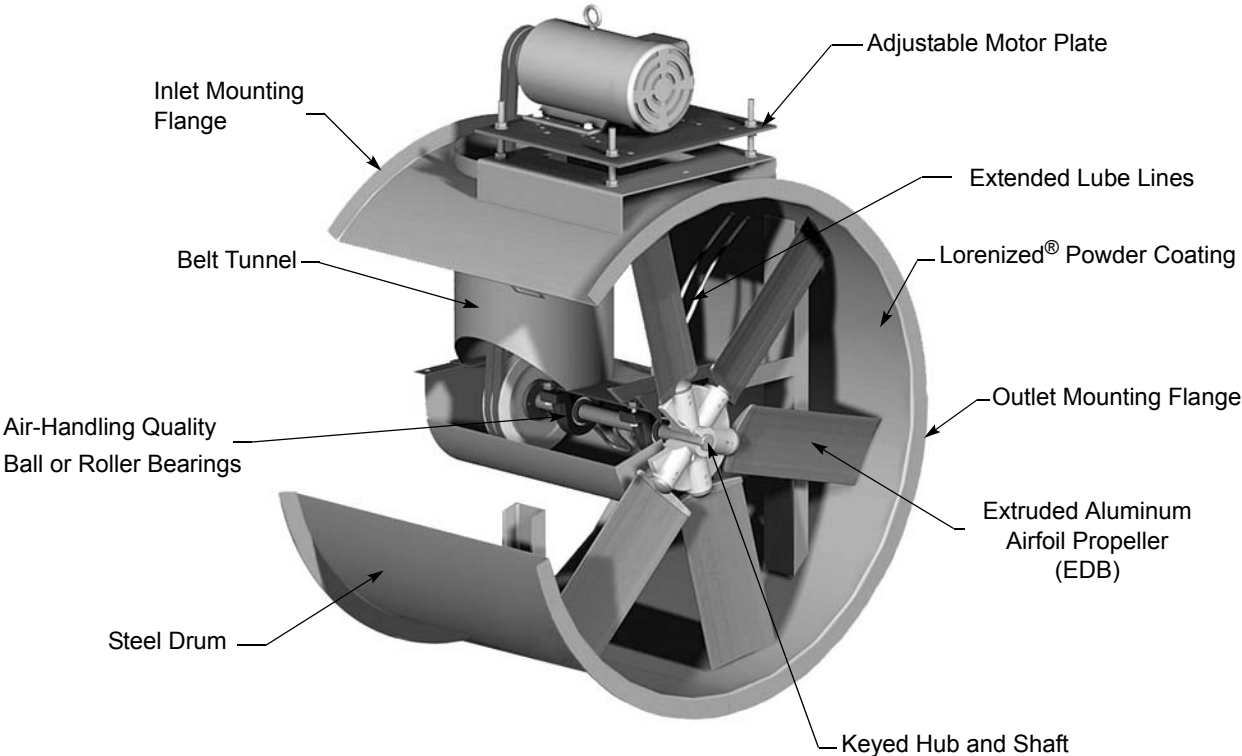
- Designed for use where higher static pressures are required.
- Constructed with 4 or 6 extruded aluminum airfoil blades and mounted in a cast aluminum hub.
- Blade pitch is determined at the factory and the blades are locked into place with roll pins.
- “E Series” airfoil blade has a non-overloading characteristic such as is found in a centrifugal type wheel.
- Statically and dynamically balanced for vibration free operation.

STANDARD CONSTRUCTION FEATURES

Direct Drive
ADD, EDD, TID
(ADD Shown)



Belt Drive
ADB, EDB, TIB
(EDB Shown)



The UL listing “Power Ventilator for Smoke Control Systems” is a test procedure and category which was initiated by Loren Cook Company and developed in a joint effort with UL in 1990. Several different sources were used in the definition of the test procedure. These sources include UL Standards 705, 762, 793, Southern Building Code Congress International (SBCCI) Standard Fire Prevention Code/1988, and Industrial Risk Insurers (IRI) Document E2.

Requirements for UL listing “Power Ventilator for Smoke Control Systems”

- The unit must withstand 500°F airstream temperature for a minimum of four hours (IRI) and withstand 1000°F for a minimum of 15 minutes (SBSCCI).
- The unit must be listed under UL 705.

TIB

Smoke Control Ventilator



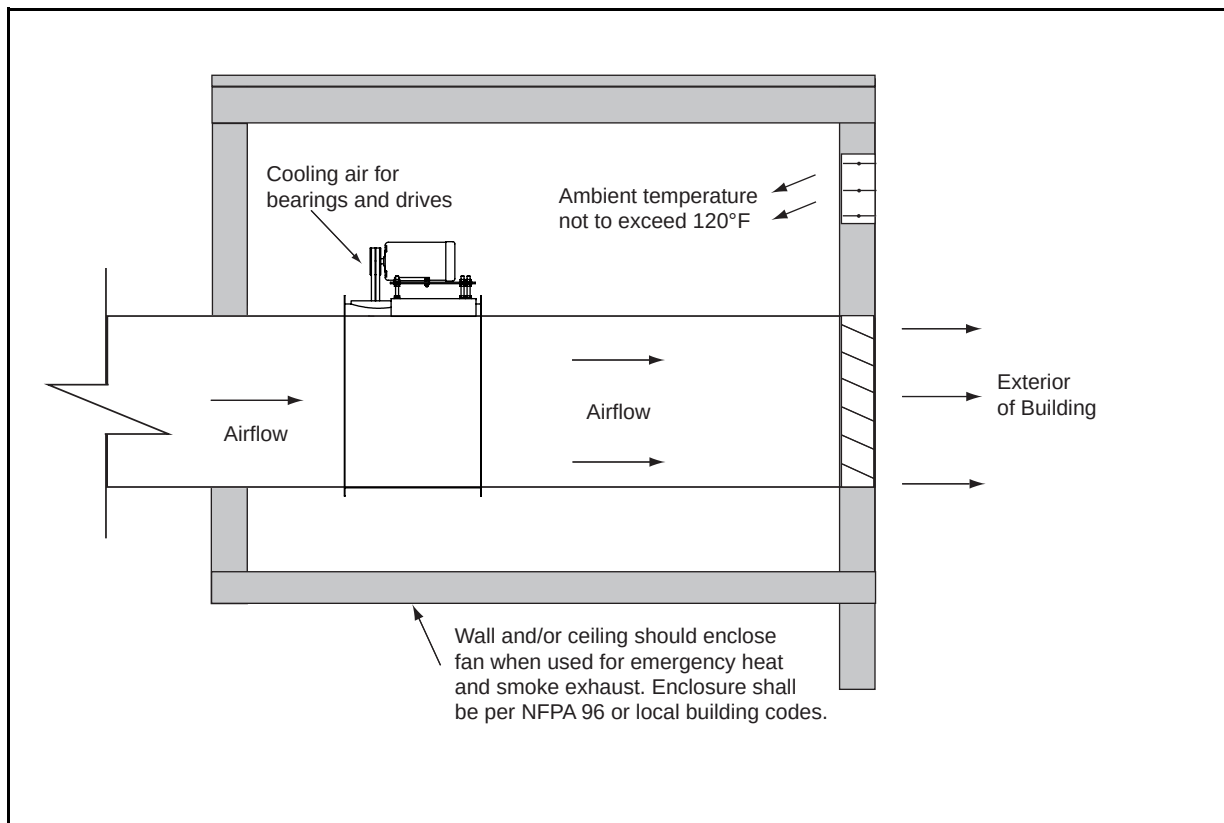
Listed Power Ventilator for Smoke Control Systems.



- High Temperature Upblast Propeller Roof Fan listed by UL as “Power Ventilator for Smoke Control Systems” at 500°F for 4 hours, and at 1,000°F for 15 minutes.
- TIB available in 9 belt drive sizes from 20 to 72 inches. Performance ranges from 2,800 to 98,000 CFM, with static pressures from 0 to 1 inches.

See page 13 for listing of required accessories

UL Power Ventilator for Smoke Control Typical Application

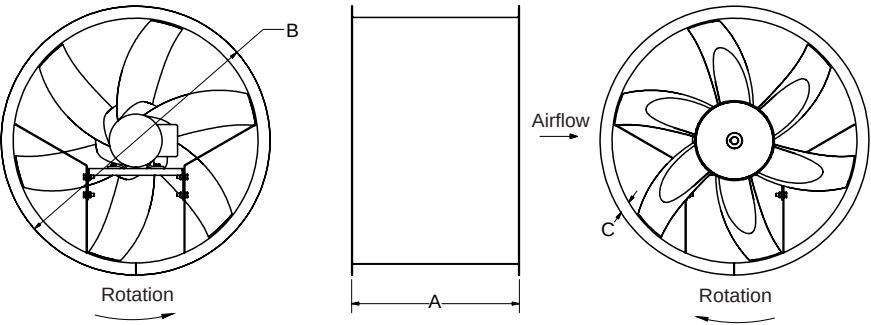


Tube Axial Fan
High Pressure
Triton Steel Propeller
Direct Drive



 Type TID is furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT).

- Description** - Fan shall be a tube axial, direct drive, steel propeller fan.
- Certifications** - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).
- Construction** - Fan shall be of welded and bolted construction utilizing corrosion resistant fasteners. The steel drum shall be constructed of minimum 14 gauge steel with integral flanges on both inlet and outlet. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.
- Coating** - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hours salt spray under ASTM B117 test method.
- Propeller** - Propeller shall be a high efficiency fabricated steel design with blades securely fastened to a minimum 7 gauge hub. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.
- Motor** - Motor shall be heavy duty type with permanently lubricated sealed bearings and furnished at the specified voltage, phase and enclosure.
- Product** - Fan shall be type TID as manufactured by Loren Cook Company of Springfield, Missouri.



TID Dimension Data

Size	A	B	C	Drum Gauge	Ship Wt.
20	19	23-1/2	1-1/2	14 ga.	90
24	19	27-1/2	1-1/2	12 ga.	115
30	25	33-1/2	1-1/2	12 ga.	165
36	25	39-1/2	1-1/2	12 ga.	190
42	30	45-3/4	1-5/8	10 ga.	310
48	31	52-3/4	2-1/8	10 ga.	395
54	41	58-3/4	2-1/8	10 ga.	500
60	42	64-3/4	2-1/8	10 ga.	630

All dimensions in inches. Weight in pounds, including standard ODP motor.

Description - Fan shall be a tube axial, belt driven, steel propeller fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). For smoke control applications, fan shall be listed by Underwriters Laboratories (Power Ventilator for Smoke Control Systems) for US and Canada. Fan shall bear the AMCA Certified Ratings Seal for Air Performance.

Construction - Fan shall be of welded and bolted construction utilizing corrosion resistant fasteners. The steel drum shall be constructed of minimum 14 gauge steel with integral flanges on both inlet and outlet. External lubrication lines shall be furnished for lubrication of fan bearings. Adjustable motor plate shall use threaded studs for positive belt tensioning and alignment. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be a high efficiency fabricated steel design with blades securely fastened to a minimum 7 gauge hub. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed bearings and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be type TIB as manufactured by Loren Cook Company of Springfield, Missouri.

Tube Axial Fan High Pressure Triton Steel Propeller Belt Drive

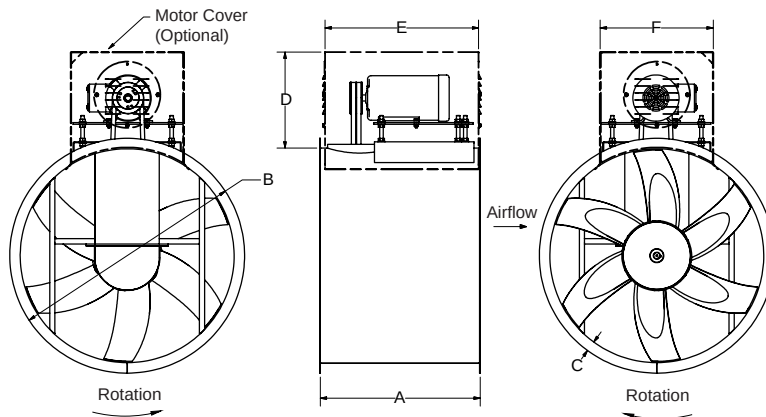


Loren Cook Company certifies that the TIB shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. TIB performance ratings shown on pages 14-16.



Type TIB is furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

Type TIB is available with UL listing for "Power Ventilator for Smoke Control Systems."

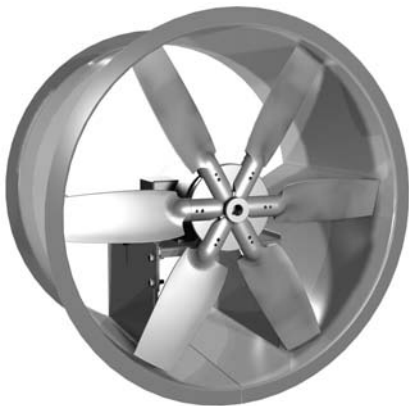


TIB Dimension Data

Size	A	B	C	D	E	F	Drum Gauge	Ship Wt.
20	20	19-1/2	1-1/2	11-3/8	15	12-7/16	14 ga.	90
24	21	27-1/2	1-1/2	14-1/8	20	16-1/8	12 ga.	147
30	25	33-1/2	1-1/2	19-1/8	22	18-1/8	12 ga.	224
36	30	39-1/2	1-1/2	18-3/4	25	21-1/8	12 ga.	315
42	31	45-3/4	1-5/8	19-3/8	29	21-1/8	10 ga.	390
48	33	52-3/4	2-1/8	19-3/4	31	21-1/8	10 ga.	470
54	38	58-3/4	2-1/8	24-1/4	35	24-1/8	10 ga.	585
60	41	64-3/4	2-1/8	24-1/4	35	24-1/8	10 ga.	705
72	48	76-3/4	2-1/8	27	35	24-1/8	10 ga.	905

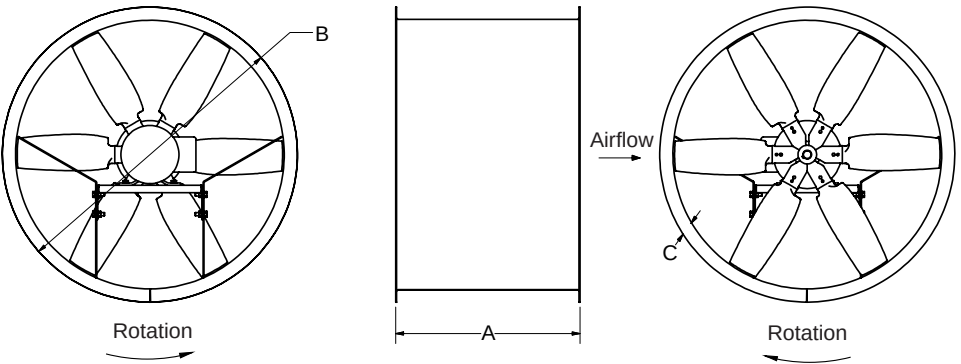
All dimensions in inches. Weight in pounds, less motor.

Tube Axial Fan
Cast Aluminum Propeller
Direct Drive



 Type ADD is furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT).

- Description** - Fan shall be a tube axial, direct drive, cast aluminum airfoil propeller fan.
- Certifications** - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).
- Construction** - Fan shall be of welded and bolted construction utilizing corrosion resistant fasteners. The steel drum shall be constructed of minimum 14 gauge steel with integral flanges on both inlet and outlet. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.
- Coating** - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.
- Propeller** - Propeller shall be cast aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.
- Motor** - Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage, phase and enclosure.
- Product** - Fan shall be type ADD as manufactured by Loren Cook Company of Springfield, Missouri.



ADD Dimension Data

Size	A	B	C	Drum Gauge	Ship Wt.
12	16	15-1/2	1-1/2	14 ga.	76
16	16	19-1/2	1-1/2	14 ga.	90
20	19	23-1/2	1-1/2	14 ga.	120
24	19	27-1/2	1-1/2	12 ga.	173

All dimensions in inches. Weight in pounds, including standard ODP motor.

Description - Fan shall be a tube axial, belt driven, cast aluminum airfoil blade propeller fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).

Construction - Fan shall be of welded and bolted construction utilizing corrosion resistant fasteners. The steel drum shall be constructed of minimum 14 gauge steel with integral flanges on both inlet and outlet. External lubrication lines shall be furnished for lubrication of fan bearings. Adjustable motor plate shall use threaded studs for positive belt tensioning and alignment. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be cast aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed bearings and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

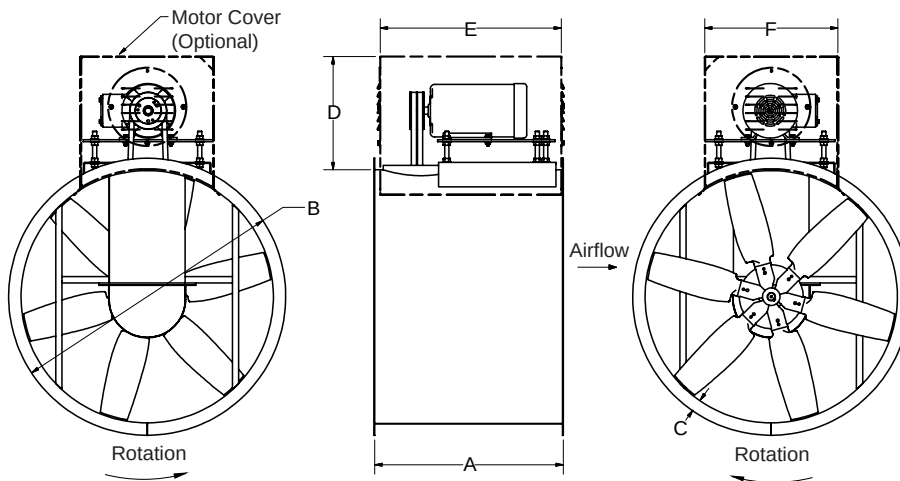
Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be type ADB as manufactured by Loren Cook Company of Springfield, Missouri.

Tube Axial Fan Cast Aluminum Propeller Belt Drive



Type ADB is furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.

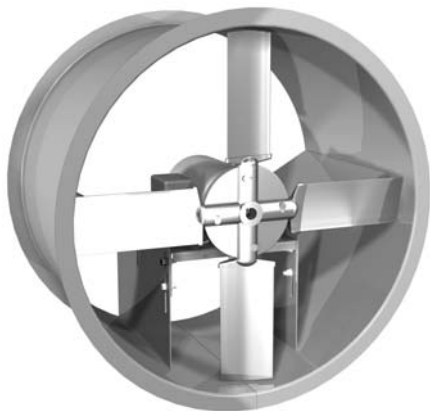


ADB Dimension Data

Size	A	B	C	D	E	F	Drum Gauge	Ship Wt.
16	16	19-1/2	1-1/2	11-3/8	15	12-7/16	14 ga.	90
20	20	23-1/2	1-1/2	13-3/8	17	14-1/8	14 ga.	110
24	21	27-1/2	1-1/2	14-1/8	20	16-1/8	12 ga.	147
30	25	33-1/2	1-1/2	19-1/8	22	18-1/8	12 ga.	224
36	30	39-1/2	1-1/2	18-3/4	25	21-1/8	12 ga.	315
42	31	45-3/4	1-5/8	19-3/8	29	21-1/8	10 ga.	390
48	33	52-3/4	2-1/8	19-3/4	31	21-1/8	10 ga.	470

All dimensions in inches. Weight in pounds, less motor.

Tube Axial Fan
Extruded Aluminum Propeller
Direct Drive



 Type EDD is furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT).

Description - Fan shall be a tube axial, direct drive, extruded aluminum blade airfoil propeller fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705).

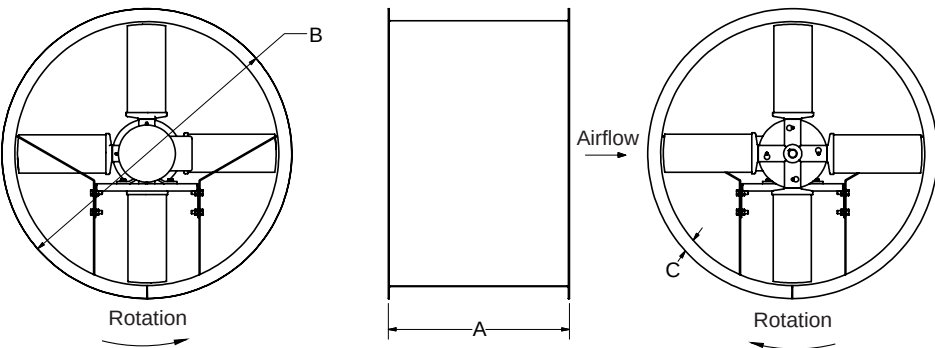
Construction - Fan shall be of welded and bolted construction utilizing corrosion resistant fasteners. The steel drum shall be constructed of minimum 12 gauge steel with integral flanges on both inlet and outlet. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hours salt spray under ASTM B117 test method.

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed bearings and furnished at the specified voltage, phase and enclosure.

Product - Fan shall be type EDD as manufactured by Loren Cook Company of Springfield, Missouri.



EDD Dimension Data

Size	A	B	C	Drum Gauge	Ship Wt.
24	19	27-1/2	1-1/2	12 ga.	115
30	25	33-1/2	1-1/2	12 ga.	165
36	25	39-1/2	1-1/2	12 ga.	190
42	30	45-3/4	1-5/8	10 ga.	310
48	31	52-3/4	2-1/8	10 ga.	395

All dimensions in inches. Weight in pounds, including standard ODP motor.

Description - Fan shall be a tube axial, belt driven, extruded aluminum airfoil blade propeller fan.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Air Performance.

Construction - Fan shall be of welded and bolted construction utilizing corrosion resistant fasteners. The steel drum shall be constructed of minimum 12 gauge steel with integral flanges on both inlet and outlet. External lubrication lines shall be furnished for lubrication of fan bearings. Adjustable motor plate shall use threaded studs for positive belt tensioning and alignment. Unit shall bear an engraved aluminum nameplate and shall be shipped in ISTA Certified Transit Tested Packaging.

Coating - All steel fan components shall be Lorenized® with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

Propeller - Propeller shall be extruded aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be heavy duty type with permanently lubricated sealed bearings and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives- Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be type EDB as manufactured by Loren Cook Company of Springfield, Missouri.

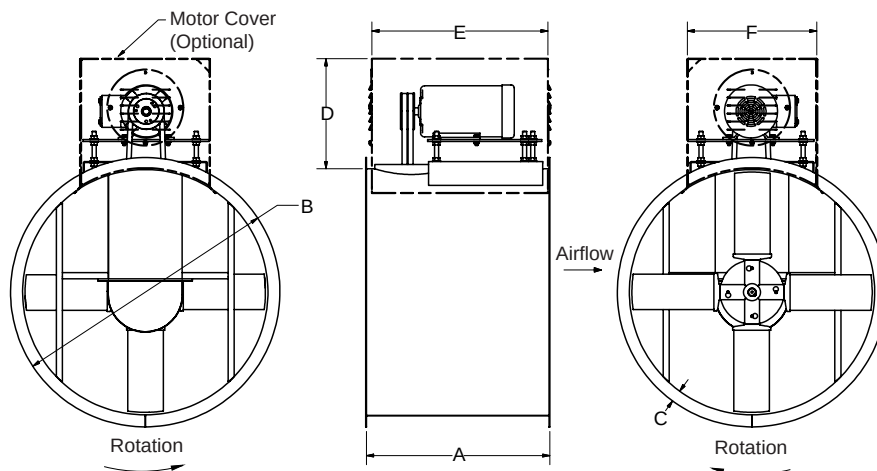
Tube Axial Fan Extruded Aluminum Propeller Belt Drive



Loren Cook Company certifies that the EDB shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. EDB performance ratings shown on pages 17-20.



Type EDB is furnished standard with UL 705 & cUL 705 listing (Power Ventilator/ZACT) when furnished with factory supplied motor.



EDB Dimension Data

Size	A	B	C	D	E	F	G	H	J	Drum Gauge	Ship Wt.
24	21	27-1/2	1-1/2	14-1/8	20	16-1/8	5-1/4	16-5/16	9-3/4	12 ga.	147
30	25	33-1/2	1-1/2	19-1/8	22	18-1/8	5-1/4	16-5/16	9-3/4	12 ga.	224
36	30	39-1/2	1-1/2	18-3/4	25	21-1/8	6-3/4	17-13/16	12-3/4	12 ga.	315
42	31	45-3/4	1-5/8	19-3/8	29	21-1/8	6-3/4	17-13/16	12-3/4	10 ga.	390
48	33	52-3/4	2-1/8	19-3/4	31	21-1/8	6-3/4	17-13/16	12-3/4	10 ga.	470
54	41	58-3/4	2-1/8	24-1/4	35	24-1/8	10	19-9/16	17	10 ga.	585
60	48	64-3/4	2-1/8	24-1/4	35	24-1/8	10	19-9/16	17	10 ga.	705

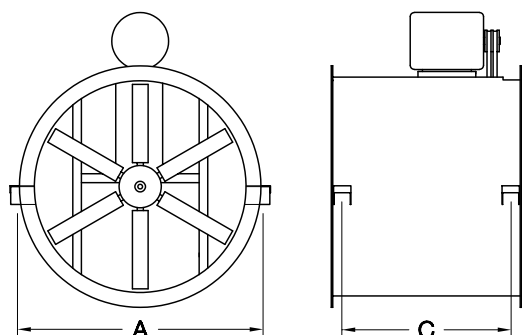
All dimensions in inches. Weight in pounds, less motor.

INSTALLATION/MOUNTING

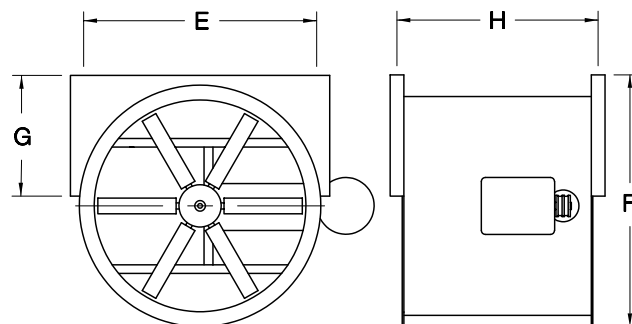
Optional Mounting Information

Horizontal Mounting

Ceiling

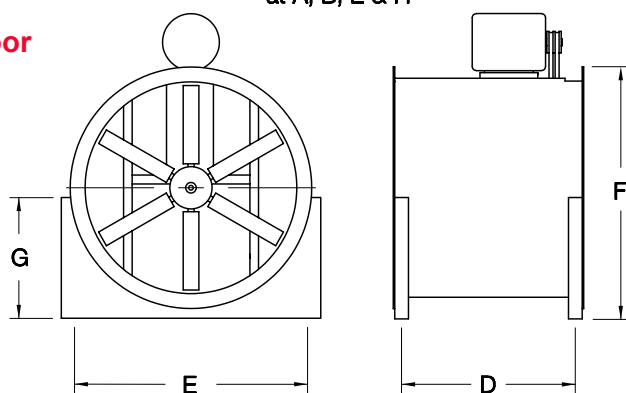


Horizontal hanging
brackets motor position
at A, B, E & H

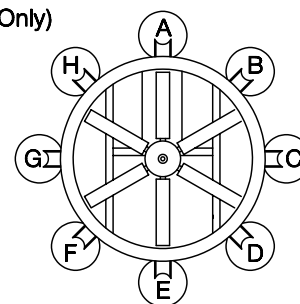
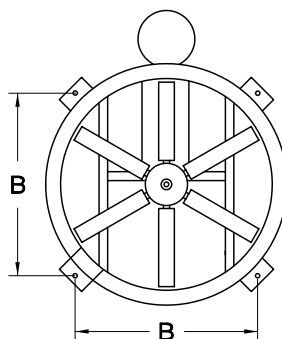


Horizontal hanging
brackets motor position
at C, D, F & G
(Belt Drive Only)

Floor



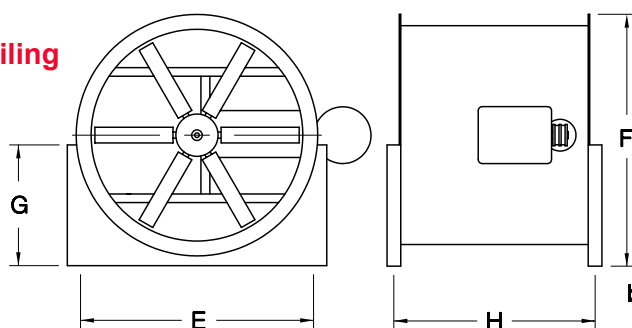
Floor mounting
brackets motor position
at A, B & H



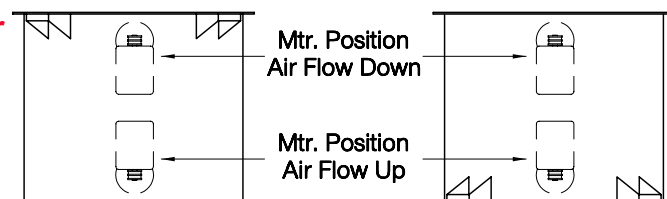
Motor position chart
(view facing propeller)

Vertical Mounting

Ceiling



Floor



Vertical hanging
brackets

Vertical floor
brackets

Floor mounting
brackets motor position
at C & G
(Belt Drive Only)

Size	A*	B	C* Belt Drive	C* Direct Drive	D* Belt Drive	D* Direct Drive	E*	F	G	H*
20	23-1/2	18-15/16	16-1/16	15-1/16	19-7/8	17-3/8	21	25-3/4	12-1/4	19-7/8
24	27-1/2	21-3/4	17	15	16-1/4	17-5/16	25	29-3/4	14-1/4	25-3/8
30	33-5/8	26-1/16	21	21	23-1/8	23-5/16	31	35-3/4	17-3/8	26-1/2
36	39-5/8	30-5/16	25-13/16	20-13/16	32-3/16	23-5/16	37	41-3/4	20-3/8	27-7/16
42	45-5/8	34-9/16	27-1/8	26-1/8	27-5/16	27-3/4	43	48-1/2	23-1/2	34-3/16
48	51-5/8	38-13/16	29-1/8	27-1/8	29-5/8	28-3/4	49	55-1/2	27	35-7/8
54	57-5/8	43-1/16	34-1/8	37-1/8	35-5/16	38-1/4	55	62	30	40-3/16
60	64	47-5/16	37-1/8	38-1/8	35-3/4	39-1/4	61	68	33	45-3/4
72	64	55-3/4	44-1/8	-	45-1/4	-	73	80	33	50-1/4

All dimensions in inches. *A, B, C, D, E and H are to centerline of mounting bracket holes. Motor position designations are applicable to belt drive units only.

Disconnect Switches

NEMA 1 - Indoor general purpose.

NEMA 1 (Lockable) - Indoor general purpose with locking capability.

NEMA 3R - Exterior mount, rain-tight.

NEMA 4 - Water-tight and dust-tight.



NEMA 1



**NEMA 1
(Lockable)**



NEMA 3R



NEMA 4



Belt Guard

Belt Guards are designed to cover the top, front and sides of the drive assembly. Belt guards are constructed of minimum 18 gauge Lorenized® steel and have an open back to allow for inspection or belt tightening. Belt guards are factory installed.



Motor Cover

Motor Covers enclose the motor and drive assembly and serves as an OSHA belt guard. The motor cover is constructed of 18 gauge Lorenized® steel. Motor covers are factory installed.



Inlet/Outlet Guard

Inlet/Outlet Guards are used in non-ducted installations to protect personnel and prevent debris from entering the fan. This guard is constructed of expanded metal and is factory installed.



Inlet Bell

Inlet Bells are constructed of spun aluminum and are available for installation on site.

Additional Accessories

- Companion Flanges
- Horizontal Hanging Brackets
- Vertical Hanging Brackets
- Ceiling/Floor Mounting Legs

Accessory Requirements for UL Listing “Power Ventilator for Smoke Control Systems”

- Vented Bearing Cover
- Shaft Cooler

Standard Coatings

Lorenized® is an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Coating must exceed 1,000 hour salt spray under ASTM B117 test method.

Optional Coatings

Cook Epoxy Powder is an electrostatically applied, baked epoxy powder coating. Final coating thickness is 2.5 – 3.5 mils. For outdoor applications an optional UV resistant topcoat is required to prevent deterioration of the coating.

Cook High Temp Easy Clean Powder is an electrostatically applied, baked modified epoxy silicone powder producing a high temperature (500°F Max) "non-stick" coating. Final coating thickness is 1.3 - 1.7 mils.

Cook Phenolic Epoxy Powder is an electrostatically applied, baked phenolic epoxy powder coating. Final coating thickness is 2 – 4 mils. For outdoor applications an optional UV resistant topcoat is required to prevent deterioration of the coating.

Air Dry Phenolic (Heresite VR-504) is a conventional spray applied phenolic resin coating. Final coating thickness is 4 – 6 mils. For outdoor applications an optional UV resistant topcoat (Heresite UC-5500) is required to prevent deterioration of the coating.

Refer to the corrosion resistance guide in the Compute-A-Fan software for a listing of the coatings above and their resistance to a variety of chemicals. Additional special coatings are available.



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