

MOTOR INFORMATION

Definitions

SHADED POLE MOTORS

- Single Phase

For use in light-duty appliances because of low efficiency, power factor and starting torque. These motors are only suitable for direct drive fan and blower applications.

PERMANENT-SPLIT CAPACITOR MOTORS

- Single Phase

This type motor is similar to the shaded pole type but has higher efficiency and power factor. Starting torques are relatively low which limits application only for direct drive fan and blower applications.

SPLIT-PHASE MOTORS

- Single Phase

Split-phase motors have moderate starting torque with low starting current. They are used where starting load is moderate and where there is frequent starting with relatively long running periods. Reversible.

CAPACITOR-START MOTORS

- Single Phase

This type motor produces greater locked-rotor and accelerating torque per amp than the split phase type. With a higher starting torque than the split-phase type it can be used for driving compressors, pumps, air conditioning equipment and many other hard-to-start applications.

POLYPHASE-SQUIRREL CAGE INDUCTION MOTORS

- Three Phase

Polyphase motors have a high starting torque combined with high efficiency and power factor which makes them suitable for use on larger compressors and commercial air conditioning units. Do not require capacitors or starting relays. Reversible.

DEFINITIONS FOR LISTING ON FOLLOWING MOTORS PAGES

- HP: Horsepower** - Power rating of the motor
- FLA: Full Load Amps** - Amperage drawn by a motor when operating at rated load and voltage.
- NOTE:** RCD may use several motor suppliers for any given part number. Therefore FLA listed represents maximum rating that could be encountered under a given part number.
- RPM:** Synchronous speed or full load speed
- HZ:** Frequency or Hertz

- V** : Voltage AC
- C** : Ambient Rating
- CAP** : Capacitor Rating (i.e. 5.0 µf / 370 volts)
- A** : Amp rating at Full Load (i.e. 1.8A)
- PSC** : Permanent Split Capacitor motors single phase. This type of motor has high efficiency and power factor with starting torques relatively low, which limits the application only for direct drive fan and blower applications.
- TE** : Totally Enclosed Motor
- OP** : Open Enclosure
- Speed: 1:** Single Speed Motor
- Mounting:** Base, Stud, Strap
- ROT. Rotation** - Motors rotate in either a clockwise (CW) or counterclockwise (CCW) direction. Rotation listed is per NEMA, as viewed from the end of the motor opposite the shaft. In the case of double shaft motors, the rotation is viewed from the lead end of motor.
- SF: Service Factor** - A measure of the overload capacity designed into a motor. A 1.15 SF means the motor can deliver 15% more than a rated horsepower without injurious overheating. A 1.0 SF motor should not be overloaded beyond its rated horsepower.
- BRGS:** Bearings - SLV/BALL
- FRAME:** An (R), (S) or (T) may appear in this column adjacent to the NEMA frame designation and is defined as follows:
 (R) - Resilient mounting rings included
 (S) - Motor is mounted on rigid base
 (T) - Motor is equipped with extended thru-bolts required for thru-bolt mounting
- DIA:** Diameter of motor in inches
- SHAFT:** Length/Diameter (i.e. 6.5" / 1/2").
 First shaft length listed is at lead end of dual shaft motors.
- NOTE:** RCD may use several motor suppliers for any given part number. Therefore, shaft length(s) listed represent maximum length(s) available under a given part number.

Protector: Internal Thermally Protected

- MOTOR DIMENSIONS:**
- A Overall length of motor including shaft(s)
 - B Diameter of mounting bold circle on motors supplied with mounting ears
 - C Shaft height - center of shaft to base on motors supplied with mounting base
 - D Diameter of mounting hole on motors supplied with mounting lugs

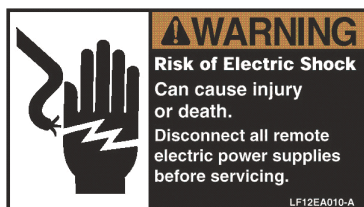
MOTOR INFORMATION

Motor Selection

When selecting either an indoor blower motor or outdoor condenser motor, always start with the following:

- **HP:** always try to use the same horsepower that was in the original equipment application, specifically within that frame size
- **RPM's:** selected should be in the $\pm 10\%$ range
- **AMPS:** never exceed the full load amps by more than $\pm 10\%$
- **Voltage:** should always be the same as the equipment
- **Capacitor:** may require a change to reflect the microfarads (μF) required by the motor (i.e. 5 μF to 7.5 μF)

INSTALLATION TIPS



Before installing motors always measure the approximate propeller fan, or blower wheel location to make sure your final installation ends up in the same area in condenser orifices or blower housings to maintain the same air flow.

Make sure the hubs of the old fans or blower wheels are not stripped and the set screws are tight to the flat of the shaft.

Outdoor propeller fan blades flex during operation. Make sure you have enough clearance so that the fan blades do not contact the mounting screws of the motors on the shaft end. (If necessary, cut the installation screws back to avoid a fan hit.)

Motor must be securely and adequately grounded by wiring per NEC and local codes.



MOTOR INFORMATION

Tips To Identify A Motor Without A Nameplate

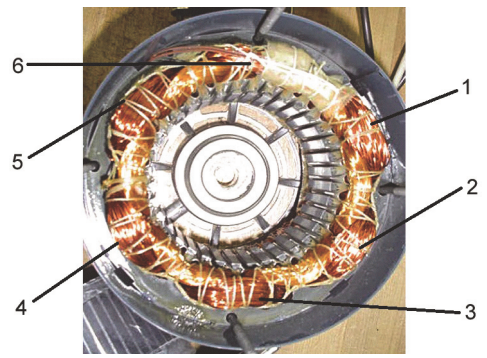
Motor Diameter: Measure diameter to confirm NEMA (National Electrical Manufacturers Association) frame size. Frame size: 4.9"= 42, 5.6"= 48, 6.5"= 56

Motor Type: Shaded Pole (SP), Permanent Split Capacitor (PSC), Split Phase, Capacitor Start/Capacitor Run, Three Phase, and DC.

Speed: RPM = 120 x Hz / # Poles

@ 60Hz # Poles	Full Load Speed			
	Syn	SP	PSC	General Purpose
2	3600	3000	-	3450
4	1800	1500	1625	1725
6	1200	1050	1075	1140
8	900	-	825	850

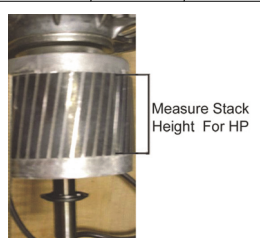
Count # of Poles



Horsepower & Stack Lengths:

4 & 6 Pole Open Motors		8 Pole Open Motors	
HP	Approx. Stack Length	HP	Approx. Stack Length
1/4	1.25"	1/8	1.13"
1/3	1.50"	1/6	1.25"
1/2	2.25"	1/4	1.62"
3/4	2.50"	1/3	2.25"

4 & 6 Pole Closed Motors		8 Pole Closed Motors	
HP	Approx. Stack Length	HP	Approx. Stack Length
1/4	1.25"	1/8	1.25"
1/3	1.75"	1/6	1.38"
1/2	2.50"	1/4	1.75"
3/4	3.00"	1/3	2.50"



Number Of Speeds:

- Number Speeds = number of power leads minus 1.
- For SP - **Do not count** the ground (green) lead.
- For PSC - **Do not count** the ground (green) lead or the capacitor (brown) lead.

Mechanical Features:

- Mounting Definition - Base, Belly band, Lugs, Studs, Face mount, etc.
- Enclosure - ODP (Open Drip Proof), TE (Totally Enclosed), etc.
- Shaft - Number, Length, Diameter, Flat-Keyway, etc.
- Unique Features - Leads, Conduit Box, Bearings, Brake, Rotation Arrow, Capacitor Cover, Slings, etc.

Rotation:

- Most standard motors (except Single Phase and Threaded Shaft) are reversible from standstill by electrical re-connection.
- Three phase motors reversed by interchanging any two of the three power leads.

Note: Rotation of an unknown motor is often found by noting attached fan, blower or other device. Dirt accumulates on the side towards which the motor rotates.

Voltage: Common Voltage

	115	230	Dual	277	460	575
SP	X	X	-	X	-	-
PSC	X	X	-	X	X	X
Split Ph	X	X	-	-	-	-
Cap Start	X	X	115/230	-	-	-
3 Phase	-	X	230/460	-	X	X

Note: Voltage may be difficult to determine. **Ask the customer!**

Typical Color Schemes (Not a standard):

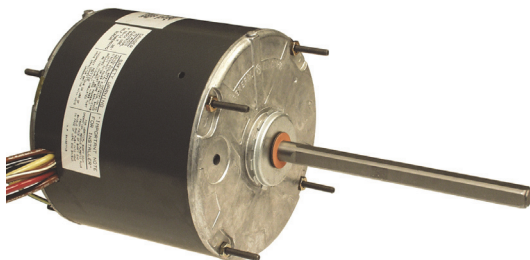
- White - Common lead (115 volt)
- Yellow or Purple - Common lead (230 volt)
- Brown - Capacitor leads (1 or 2)(PSC Only)
- When replacing PSC a good practice is to replace the capacitor, too.
- Replace based on horsepower not AMP rating.
- Do not replace manual overload with automatic overload motor.
- Motors with similar stator dimensions will have output (other features being equal). i.e. It takes a similar amount of iron and copper (D2L) for torque.

Some rules of thumb:	
Generally, if this is the original.....	This can be used as its replacement
Shaded Pole	Permanent Split Capacitor
Sleeve Bearings	Ball Bearing
Open or DP	Totally Enclosed
1 Speed	1, 2 or 3 Speed
2 Speed	2 or 3 Speed
370 Volt Capacitor	370 or 440 Volt Capacitor

CONDENSER FAN MOTORS

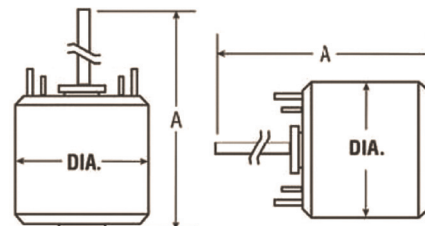
Totaline® Condenser Fan Motors

Totally Enclosed - All Position Mounting



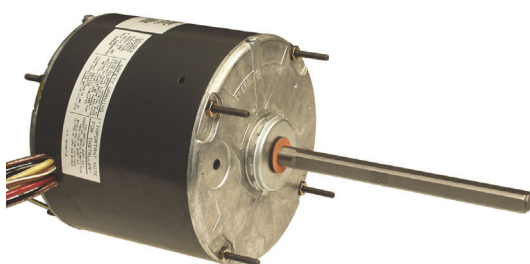
Features:

- Slinger protects bearing when motor is mounted in shaft up or horizontal position (remove slinger when motor is mounted in shaft down position)
- Rated continuous air over
- Automatic reset thermal protection
- Permanent split capacitor
- Class B Insulation
- Reversible by electrical reconnection
- 26" leads
- 6" shaft with 2 full flats, 90° apart
- NEMA 48 Frame
- Single Phase, 60 Hertz



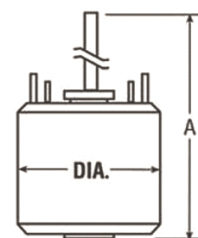
Part Number	HP	Voltage	FLA	RPM/Speed(s)	Bearing	Dimensions (In) A	Ambient	Capacitor	
								Mfd Volts	Part No
P257-8727	1/6	208-230	1.0	1075/1	Sleeve		60° C	5/370	P291-0503
P257-8728	1/4	208-230	1.8	1075/1	Sleeve	10.7"	60° C	5/370	P291-0503
P257-8729	1/3	208-230	2.4	1075/1	Sleeve	11"	60° C	7.5/370	P291-0753
P257-8730	1/2	208-230	3.5	1075/1	Sleeve	12.2"	60° C	10/370	P291-1003
P257-8731	3/4	208-230	5.5	1075/1	Sleeve		60° C	10/370	P291-1003
P257-8228	1/4	208-230	1.6	1075/2	Sleeve	11"	60° C	5/370	P291-0503
P257-8229	1/3	208-230	2.4	1075/2	Sleeve	11.5"	60° C	7.5/370	P291-0753
P257-8230	1/2	208-230	3.8	1075/2	Sleeve	12.5"	60° C	10/370	P291-1003

Three Phase



Features:

- Vertical shaft up mount
- Positioning screws in motor shell
- Water slinger for bearing protection
- Class B Insulation
- Reversible rotation
- NEMA 56 Frame
- 5/8" x 6" shaft with 5" flat and 5" long keyway – key not provided



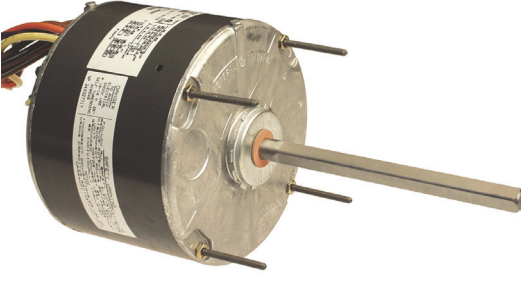
Part Number	HP	Voltage	FLA	RPM/Speed(s)	Bearing	Dimensions (In) A	Ambient
P257-E378	3/4	208-230/460	3.6/1.8	1140	Ball	16.8"	60° C
P257-E379	1	208-230/460	4.8/2.4	1140	Ball	16.8"	60° C
P257-E380	1-1/2	208-230/460	6.4/3.2	1140	Ball	16.8"	60° C

CONDENSER FAN MOTORS

Totaline® Condenser Fan Motors

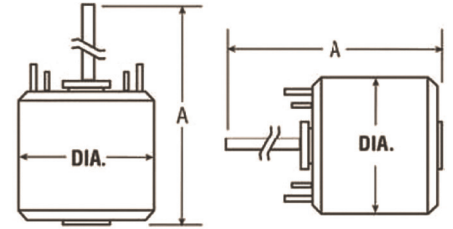
Single Phase

Motors



Features:

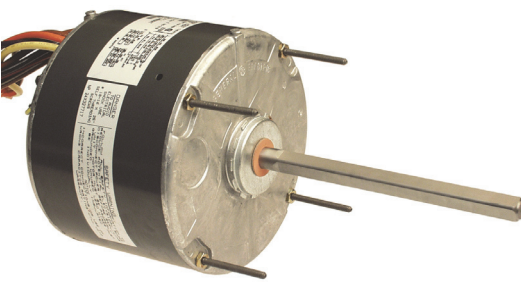
- Suitable for vertical shaft up or horizontal mounting
- Permanent split capacitor
- Automatic reset thermal protection
- Totally enclosed shaft end bracket, open opposite end
- Slinger for bearing protection
- 26" leads
- NEMA 48 Frame
- Reversible by electrical reconnection
- Class B Insulation



* Denotes high efficiency.

Part Number	HP	Voltage	FLA	RPM/Speed(s)	Bearing	Shaft Dia & Length (In)	Dimensions (In)		Ambient	Capacitor	
							DIA	A		Mfd Volts	Part No
P257-8328*	1/4	208-230	1.8	1075/1	Sleeve	1/2" x 6"	5.6"	11.1"	60° C	5/370	P291-0503
P257-8028	1/4	208-230	1.5	1075/2	Sleeve	1/2" x 6"	5.6"	11.1"	60° C	5/370	P291-0503
P257-8046	1/4	208-230	1.5	1075/2	Ball	1/2" x 6"	5.6"	11.1"	60° C	5/370	P291-0503
P257-8329*	1/3	208-230	2.4	1075/1	Sleeve	1/2" x 6"	5.6"	11.4"	60° C	7.5/370	P291-0753
P257-8029	1/3	208-230	2.1	1075/2	Sleeve	1/2" x 6"	5.6"	11.9"	60° C	7.5/370	P291-0753
P257-8031	1/3	208-230	2.1	1075/2	Ball	1/2" x 6"	5.6"	11.9"	60° C	7.5/370	P291-0753
P257-8026	1/3	208-230	2.2	825/1	Ball	1/2" x 6"	5.6"	12.1"	60° C	10/370	P291-1003
P257-8330*	1/2	208-230	3.6	1075/1	Sleeve	1/2" x 6"	5.6"	12.1"	60° C	10/370	P291-1003
P257-8030	1/2	208-230	3.5	1075/2	Sleeve	1/2" x 6"	5.6"	12.4"	60° C	10/370	P291-1003
P257-8032	1/2	208-230	3.5	1075/2	Ball	1/2" x 6"	5.6"	12.4"	60° C	10/370	P291-1003
P257-8048	3/4	208-230	4.1	1075/2	Ball	1/2" x 6"	5.6"	12.4"	60° C	15/370	P291-1503

Multi-Horsepower



Features:

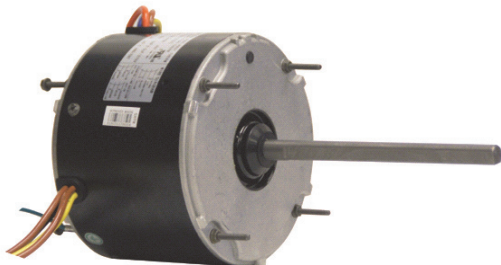
- Reversible rotation
- NEMA 48 Frame
- 36" leads
- All position mount
- Mounts with thru-bolts, shell holes or belly band

Part Number	HP	Voltage	FLA	RPM/Speed(s)	Bearing	Dimensions (In)	Ambient
P257-E5462	1/6-1/3	208/230	2.6	1075/2	Sleeve	3.75" x 1/2"	60° C
P257-E5465	1/5-1/2	208/230	3.25	1075/2	Ball	5" x 1/2"	60° C
P257-E5464	1/6-1/3	208/230	2.55	825/2	Ball	5" x 1/2"	60° C

CONDENSER FAN MOTORS

TotalSaver® Condenser Fan Motors

Totally Enclosed - All Position Mounting



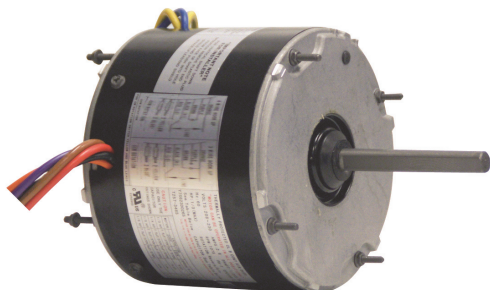
Features:

- Suitable for vertical shaft up or horizontal mounting
- Permanent split capacitor
- Automatic reset thermal protection
- Totally enclosed shaft end bracket, open opposite end
- 26" leads
- NEMA 48 Frame
- Reversible by electrical reconnection
- Class B Insulation



Part Number	HP	Voltage	FLA	RPM	Bearing	Shaft Dia & Length (In)	Temp Rise	HZ	Capacitor	
									Mfd Volts	Part No
T257-3727	1/6	208-230	1.0	1075	Sleeve	1/2" x 6.5"	60° C	60	5/370	P291-0503
T257-3728	1/4	208-230	1.8	1075	Sleeve	1/2" x 6.5"	60° C	60	5/370	P291-0503
T257-3729	1/3	208-230	3.0	1075	Sleeve	1/2" x 6.5"	60° C	60	7.5/370	P291-0753
T257-3730	1/2	208-230	3.6	1075	Sleeve	1/2" x 6.5"	60° C	60	10/370	P291-1003
T257-3731	3/4	208-230	5.5	1075	Sleeve	1/2" x 6.5"	60° C	60	10/370	P291-1003

Multi-Horsepower



Features:

- Three models cover 208-230 Volt
- Applications from 1/6 to 1/2 HP
- Thru bolt or band mounting
- Class B Insulation
- Thermal overload protected



Part Number	HP	Voltage	FLA	RPM	Bearing	Shaft Dia & Length (In)	Temp Rise	HZ	Capacitor	
									Mfd Volts	Part No
T257-3465	1/6-1/3	208-230	2.6	1075	Sleeve	1/2" x 3.75"	60° C	60	5/7.5/370	P291-0503*
T257-3468	1/5-1/2	208-230	3.2	1075	Ball	1/2" x 5"	60° C	60	10/12.5/370	P291-1003**
T257-3469	1/6-1/3	208-230	2.5	825	Ball	1/2" x 5"	60° C	60	7.5/10/370	P291-0753***

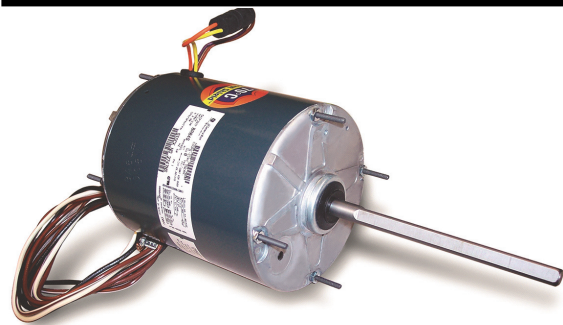
* At 208V a 7.5 mfd/370V capacitor should be used. Totaline Part Number P291-0753. Amps will be similar.

** At 208V a 12.5 mfd/370V capacitor should be used. Totaline Part Number P291-1253. Amps will be similar.

*** At 208V a 10 mfd/370V capacitor should be used. Totaline Part Number P291-1003. Amps will be similar.

HIGH TEMPERATURE CONDENSER FAN MOTOR

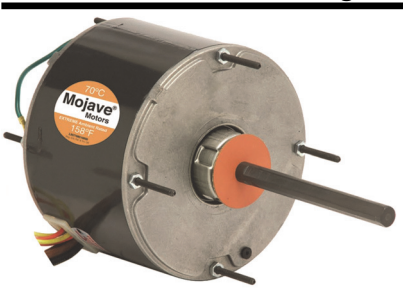
Totaline® 460V High Temperature Condenser Fan Motors



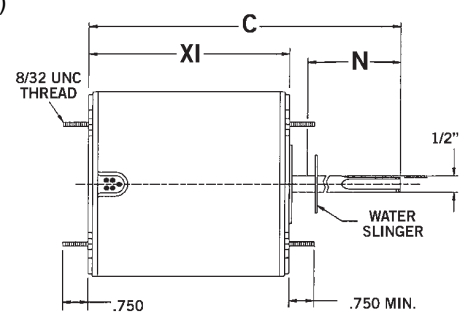
- Features:**
- Totaline Brand Packaging
 - 70°C Ambient
 - Runs cooler, Lower operating temperatures = improved life & reliability
 - Increased lead length to 48"
 - All Angle Mounting Position
 - Rheem Mounting Holes
 - Quick Connects on capacitor leads
 - Extended thru bolts on both ends
 - Drain holes in both end shields with plugs

Part Number	HP	Voltage	RPM	Frame	Rotation	Bearing
P257-3736HS	1/4	460	1075	48	REV	Ball
P257-3737HS	1/3	460	1075	48	REV	Ball
P257-3738HS	1/2	460	1075	48	REV	Ball
P257-3739HS	3/4	460	1075	48	REV	Ball

PSC Condenser Fan High Temperature Nidec® Mojave Series



- Features:**
- 158°F (70°C) Ambient Design
 - Totally Enclosed Air Over (TEAO)
 - Ball Bearings
 - Class F Insulation
 - Suitable for use with 370V Capacitors
 - Extended Studs
 - 48" Leads
 - 5.6" Diameter
 - Hubless Lead End
 - Drain Holes Both Ends
 - Reversible Rotation
 - Automatic Reset Thermal Overload Protector
 - Continuous Duty

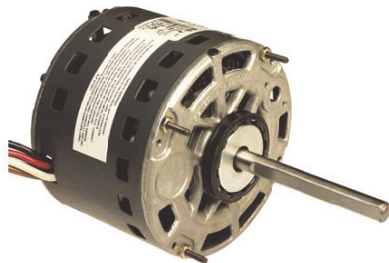


Part Number	HP	RPM	Voltage	Bearing	Capacitor MFD	Amps	Shaft N	Shell XI	Total C	Shipping Weight Lbs
1874H	1/4-- 1/8	825	208-230	Ball	5.0	2.1	6.0	4.4	10.9	13.0
1860H	1/4	1075	208-230	Ball	5.0	1.7	6.0	4.1	10.6	12.0
1861H	1/3	1075	208-230	Ball	7.5	2.1	6.0	4.6	11.1	14.0
1862H	1/2	1075	208-230	Ball	10.0	3.2	6.0	5.3	11.9	18.0
1868H	3/4	1075	208-230	Ball	10.0	4.7	6.0	5.8	12.4	20.0

DIRECT DRIVE BLOWER MOTORS

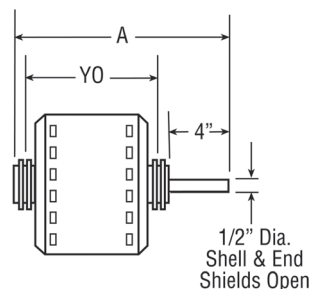
Totaline® Direct Drive Blower Motors

Two Speed



Features:

- Electrically reversible
- Continuous air over - 40°C
- All angle sleeve bearings
- NEMA 48 Frame
- Terminal connection for CW/CCW
- Automatic reset overload protection
- 1/2" extended thru bolts shaft end
- 1/2" diameter shaft 4 inches long with full flat
- 2-1/4" resilient rings with 2-1/2" snap rings
- Open construction, non-ventilated motors for exhaust, air circulators, unit heaters, unit coolers, and other air-over applications

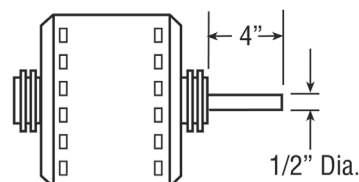


Part Number	HP	Voltage	FLA	RPM/Speed(s)	Dimensions (In)		HZ	Capacitor	
					A	YO		Mfd Volts	Part No
P257-8383	1/4	115	4.2	1075/2	9.1"	4.9"	60	5/370	P291-0503
P257-8384	1/4	208-230	2.0	1075/2	9.1"	4.9"	50/60	5/370	P291-0503
P257-8385	1/3	115	6.2	1075/2	9.4"	5.1"	60	5/370	P291-0503
P257-8386	1/3	208-230	2.9	1075/2	9.4"	5.1"	50/60	5/370	P291-0503
P257-8387	1/2	115	9.0	1075/2	10.4"	6.1"	50/60	5/370	P291-0503
P257-8388	1/2	208-230	4.3	1075/2	10.1"	5.9"	50/60	5/370	P291-0503
P257-8389	3/4	115	10.3	1075/2	10.4"	6.1"	60	15/370	P291-1503
P257-8390	3/4	208-230	4.4	1075/2	10.4"	6.1"	60	10/370	P291-1003

Three Speed - Standard Efficiency

Features:

- Open construction, non-ventilated motors for exhaust, air circulators, unit heaters, unit coolers, and other air-over applications
- High or standard efficiency
- 26" leads
- Permanent split capacitor
- Single phase, 60 hertz
- Sleeve bearings
- 2-1/4" to 2-1/2" resilient ring mount
- Automatic reset thermal protection
- Class A Insulation
- NEMA 48 Frame



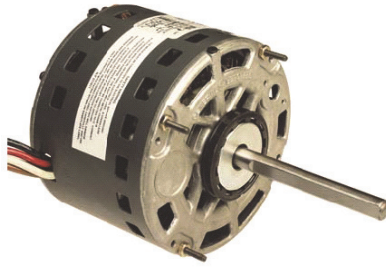
Part Number	HP	Voltage	RPM/Speed(s)	FLA	Capacitor	
					Mfd Volts	Part No
P257-8583	1/4	115	1075/3	4.2	5/370	P291-0503
P257-8584	1/4	208-230	1075/3	2.0	5/370	P291-0503
P257-8585	1/3	115	1075/3	6.1	5/370	P291-0503
P257-8586	1/3	208-230	1075/3	2.7	5/370	P291-0503
P257-8587	1/2	115	1075/3	9.0	5/370	P291-0503
P257-8588	1/2	208-230	1075/3	4.3	5/370	P291-0503
P257-8589	3/4	115	1075/3	11.2	15/370	P291-1503
P257-8590	3/4	208-230	1075/3	5.0	10/370	P291-1003

DIRECT DRIVE BLOWER MOTORS

Totaline® Direct Drive Blower Motors

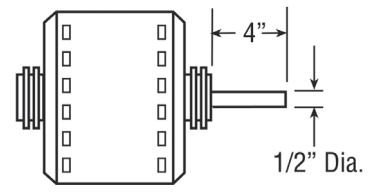
Three Speed - High Efficiency

Motors



Features:

- Open construction, non-ventilated motors for exhaust, air circulators, unit heaters, unit coolers, and other air-over applications
- High or standard efficiency
- 26" leads
- Permanent split capacitor
- Single phase, 60 hertz
- Sleeve bearings
- 2-1/4" to 2-1/2" resilient ring mount
- Automatic reset thermal protection
- Class A Insulation
- NEMA 48 Frame

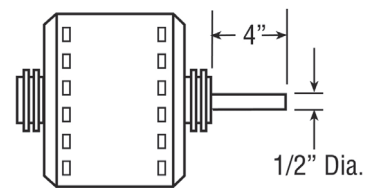


Part Number	HP	Voltage	RPM/Speed(s)	FLA	Capacitor	
					Mfd Volts	Part No
P257-8983	1/4	115	1075/3	3.7	7.5/370	P291-0753
P257-8984	1/4	208-230	1075/3	1.8	5/370	P291-0503
P257-8985	1/3	115	1075/3	4.9	7.5/370	P291-0753
P257-8986	1/3	208-230	1075/3	2.5	5/370	P291-0503
P257-8987	1/2	115	1075/3	7.3	10/370	P291-1003
P257-8988	1/2	208-230	1075/3	3.5	7.5/370	P291-0753
P257-8989	3/4	115	1075/3	10.3	15/370	P291-1503
P257-8990	3/4	208-230	1075/3	5.0	10/370	P291-1003

Multi-Horsepower

Features:

- Open construction, non-ventilated motors for exhaust, air circulators, unit heaters, unit coolers, and other air-over applications
- High or standard efficiency
- 26" leads
- Permanent split capacitor
- Single phase, 60 hertz
- Sleeve bearings
- 2-1/4" to 2-1/2" resilient ring mount
- Automatic reset thermal protection
- Class A Insulation
- NEMA 48 Frame

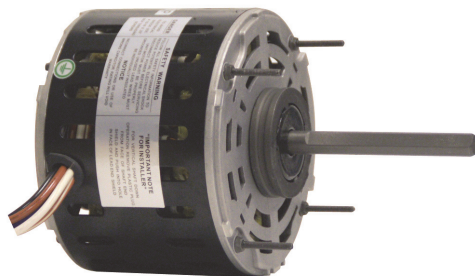


Part Number	HP	Voltage	RPM	FLA	Bearing	Dimensions (In)	Ambient
P257-E5460	1/6-1/2	115	1075	7.3	Sleeve	1/2-x 5	60° C
P257-E5461	1/6-1/2	208/230	1075	3.6	Sleeve	1/2-x 5	60° C
P257-E5470	1/5-3/4	115	1075	8.1	Ball	1/2-x 5	60° C
P257-E5471	1/5-3/4	208/230	1075	3.8	Ball	1/2-x 5	60° C

DIRECT DRIVE BLOWER MOTORS

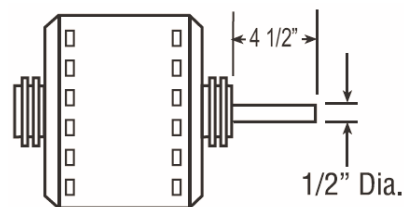
TotalSaver® Direct Drive Blower Motors

Single Speed



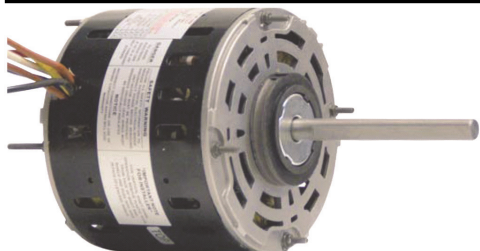
Features:

- Suitable for vertical shaft up or horizontal mounting
- 26" leads
- Permanent split capacitor
- Automatic reset protection
- Class B Insulation
- NEMA 48 Frame



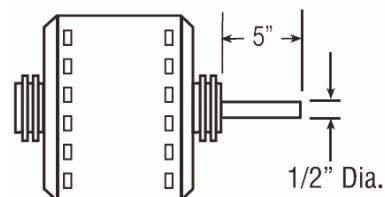
Part Number	HP	Voltage	FLA	RPM	Bearing	Shaft Dia & Length (In)	Temp Rise	HZ	Capacitor	
									Mfd Volts	Part No
T257-3583	1/4	115	3.7	1075	Sleeve	1/2" x 4.5"	60° C	60	5/370	P291-0503
T257-3584	1/4	208/230	1.8	1075	Sleeve	1/2" x 4.5"	60° C	60	5/370	P291-0503
T257-3585	1/3	115	6.1	1075	Sleeve	1/2" x 4.5"	60° C	60	5/370	P291-0503
T257-3586	1/3	208/230	2.9	1075	Sleeve	1/2" x 4.5"	60° C	60	5/370	P291-0503
T257-3587	1/2	115	9.0	1075	Sleeve	1/2" x 4.5"	60° C	60	5/370	P291-0503
T257-3588	1/2	208/230	3.8	1075	Sleeve	1/2" x 4.5"	60° C	60	5/370	P291-0503
T257-3589	3/4	115	10.0	1075	Sleeve	1/2" x 4.5"	60° C	60	15/370	P291-0503
T257-3590	3/4	208/230	5.2	1075	Sleeve	1/2" x 4.5"	60° C	60	10/370	P291-1003

Multi-Horsepower



Features:

- Four models cover applications from 1/6 through 3/4 HP
- Reversible rotation
- Class B Insulation
- Thermal overload protection
- NEMA 48 Frame



Part Number	HP	Voltage	FLA	RPM	Bearing	Shaft Dia & Length (In)	Temp Rise	HZ	Capacitor	
									Mfd Volts	Part No
T257-3463	1/6-1/2	115	6.5	1075	Sleeve	1/2" x 5"	60° C	60	5/7.5/10/370	P291-0753*
T257-3464	1/6-1/2	208/230	3.1	1100	Sleeve	1/2" x 5"	60° C	60	5/7.5/10/370	P291-0753*
T257-3466	1/5-3/4	115	7.2	1075	Sleeve	1/2" x 5"	60° C	60	10/20/370	P291-1003**
T257-3467	1/5-3/4	208/230	4.6	1100	Sleeve	1/2" x 5"	60° C	60	10/20/370	P291-1003**

* Use Capacitor Part Number P291-1003 for 1/2 HP usage.

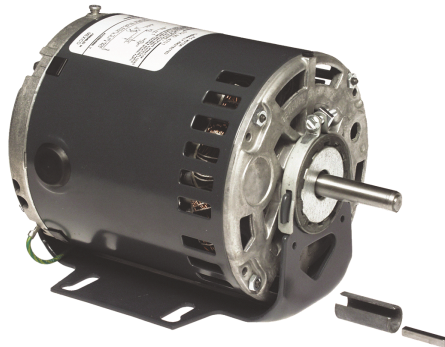
** Use Capacitor Part Number P291-2003 for 3/4 HP usage.

BELTED BLOWER MOTORS

Totaline® Belted Blower Motors

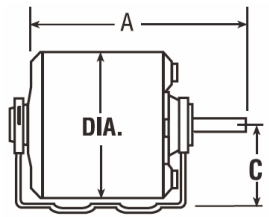
Split Phase

Motors



Features:

- Open drip-proof construction
- Reversible rotation by electrical reconnection
- Class A Insulation - 1/6 thru 1/2 HP
- Class B Insulation - 3/4 thru 1 HP
- Automatic reset thermal protection



Part Number	HP	Voltage	FLA	SF	Bearing	RPM/SPEED (S)	Frame	Shaft Dia & Length (In)	Temp Rise	Dimensions (In)			HZ
										DIA	A	C	
P267-9305	1/4	115	4.4	1.35	Sleeve	1725	48	1/2" x 1.5"	40° C	5.6	9.4	3.0	60
P267-9308	1/3	115	5.4	1.35	Sleeve	1725	48	1/2" x 1.5"	40° C	5.6	9.9	3.0	60
P267-9309	1/3	230	2.7	1.35	Sleeve	1725	48	1/2" x 1.6"	40° C	5.7	9.9	3.0	60
P267-9758	1/2	115	7.9	1.25	Ball	1725	48	1/2" x 1.5"	40° C	5.6	9.9	3.0	60
P267-9392	1/2	115	8.0	1.25	Sleeve	1725	56	5/8" x 2"	40° C	6.5	9.8	3.5	60
P267-9310	1/2	115/230	3.9	1.25	Sleeve	1725	48	1/2" x 1.6"	40° C	5.7	10.4	3.0	60
P267-D136	1/2	115/230	8.0/4.0	1.25	Sleeve	1725	56	5/8" x 2"	40° C	6.5	9.8	3.5	60
P267-D231	3/4	115	11.8	1.25	Sleeve	1725	56	5/8" x 2"	40° C	6.5	9.8	3.5	60
P267-D232	3/4	230	5.6	1.25	Sleeve	1725	56	5/8" x 2"	40° C	6.5	9.8	3.5	60

* Keyed motor shaft.

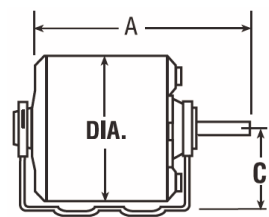
‡ Mounting holes are combination 48 and 56, shaft height is 3.0", includes 5/8" dia. shaft adapter.

Capacitor Start Belted Blower Motors



Features:

- Resilient mount
- Open drip-proof construction
- Class A Insulation - 1/2 HP
- Class B Insulation - 3/4 and 1 HP
- Reversible rotation by electrical reconnection
- Automatic reset thermal protection
- NEMA 56 Frame



Part Number	HP	Voltage	FLA	SF	Bearing	RPM/SPEED (S)	Shaft Dia & Length (In)	Temp Rise	Dimensions (In)			HZ
									DIA	A	C	
P268-E223	1/2	115/230	8.6/4.3	1.25	Ball	1725	5/8" x 2"	40° C	5.6	9.3	3.5	60
P268-E231	3/4	115/230	11.4/5.7	1.25	Ball	1725	5/8" x 2"	40° C	5.6	10.8	3.5	60
P268-E236	1	115/230	13.0/6.5	1.15	Ball	1725	5/8" x 2"	40° C	6.2	11.8	3.5	60

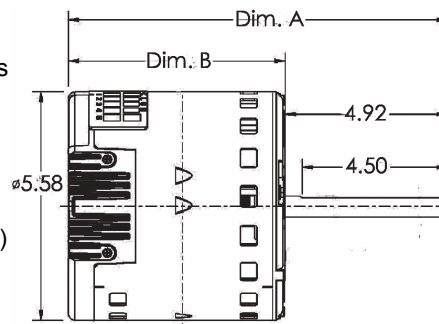
GENERIC REPLACEMENT MOTORS

Evergreen® EM X13 Aftermarket Replacement Motors By Regal/Genteq



Features:

- No distributor programming required
- Replaces Other Manufacturers OEM X13 ECM Models (does not replace premium ECM constant airflow products such as Eon, 3.0, 2.3 and Multi-Speed Constant Torque Brushless DC Motor)
- Automatically determines motor direction
- 5 discrete speeds using 24VAC (3 using 18VDC)
- NEMA 48 Frame (5.6 inch diameter Belly Band Mount)
- UL and CSA recognized
- Two Year Warranty



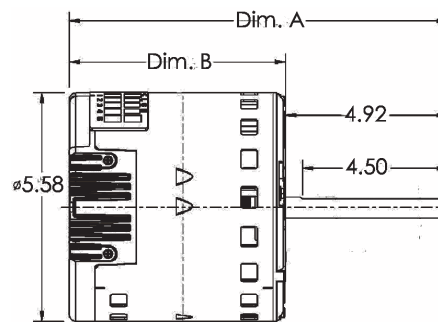
Part Number	HP	Voltage	Rotation	Max Current	Dimensions (In)		Weight
					A	B	
6103E	1/3	115	CCW/CW	4.8 A	10.17"	5.25"	8.4
6105E	1/2	115	CCW/CW	6.8 A	10.67"	5.75"	11.3
6107E	3/4	115	CCW/CW	8.4 A	11.42"	6.5"	15.6
6110E	1	115	CCW/CW	10.9 A	12.17"	7.25"	19.3
6203E	1/3	208-230	CCW/CW	2.8 A	10.17"	5.25"	8.4
6205E	1/2	208-230	CCW/CW	4.1 A	10.67"	5.75"	11.3
6207E	3/4	208-230	CCW/CW	6.0 A	11.42"	6.5"	15.6
6210E	1	208-230	CCW/CW	7.6 A	12.17"	7.25"	19.3

Evergreen® IM Aftermarket PSC Replacement By Regal/Genteq



Features:

- Replaces other Manufacturers OEM PSC Blower Motors
- Four speed selections for heating and cooling
- Optimized constant fan speed
- Two Year Warranty



Part Number	HP	Voltage	Rotation	Max Current	Dimensions (In)		Weight
					A	B	
6005	1/2	115/230	CCW/CW	6.7/4.0 A	11.26"	6.34"	12.0
6010	1	115/230	CCW/CW	11.0/6.7 A	12.76"	7.84"	20.0
6703	1/3	208-230/277	CCW/CW	2.8 A	9.17"	5.25"	8.3
6705	1/2	208-230/277	CCW/CW	4.1 A	9.67"	5.75"	11.3
6707	3/4	208-230/277	CCW/CW	6.0 A	10.42"	6.5"	15.5

OIL BURNER MOTORS

Totaline® Oil Burner Motors

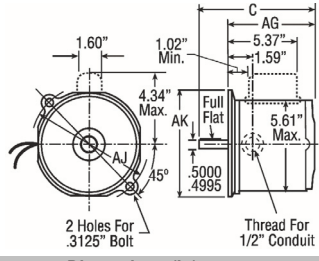
Single Phase

Motors



Features:

- Split phase
- Class A Insulation
- Manual reset thermal protection
- Reversible rotation by electrical reconnection
- 20" leads included
- NEMA 48 Frame
- 60 Hertz



Part Number	HP	Voltage	FLA	Bearing	RPM	Temp Rise	Dimensions (In)				HZ
							C	AG	AJ	AK	
P267-9782*	1/8	115	2.9	Sleeve	1725	40° C	7.40	5.34	7.25	6.38	60
P267-9783**	1/7	115	2.4	Sleeve	3450	40° C	7.15	5.12	6.75	5.50	60
P267-9784*	1/6	115	3.3	Sleeve	1725	40° C	7.60	5.54	7.25	6.38	60

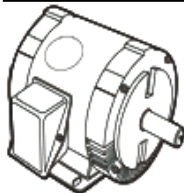
* Motor leads - 21 inches long, 18 gauge.

** Motor leads -24" long #18 50 2-conductor out shell at 11 o'clock position.

COMMERCIAL MOTORS

BALDOR® HVAC Integral Motors

Variable Torque, Totally Enclosed, Fan Cooled - Premium Efficiency



Features:

- Heavy Gauge Steel Frame Construction
- Balanced Rotors for Reduced Vibration and Quiet Operation
- Suitable Mounting For Any Position
- Available in 1-75 HP - ask us for a quote

Part Number	HP	Volts	PH	SF	RPM	Bearing	Enclosure	Shaft POS	Frame
EHM9110T	1	208-230/460	3	1.15	1800	BALL	TEFC	ALL	143T
EH3M9106	1	200/230/460	3	1.15	3600	BALL	TEFC	ALL	56
EH3M9110T	1	200/230/460	3	1.15	1800	BALL	TEFC	ALL	143T
EM3554T	1.5	208-230/460	3	1.15	1800	BALL	TEFC	ALL	145T
EH3M9112T	1.5	200/230/460	3	1.15	3600	BALL	TEFC	ALL	143T
EH3M9114T	1.5	200/230/460	3	1.15	1800	BALL	TEFC	ALL	145T
EH3M9117T	2	200/230/460	3	1.15	3600	BALL	TEFC	ALL	145T
EH3M9118T	2	200/230/460	3	1.15	1800	BALL	TEFC	ALL	145T
EHM9122T	3	208-230/460	3	1.15	1800	BALL	TEFC	ALL	182T
EH3M9121T	3	200/230/460	3	1.15	3600	BALL	TEFC	ALL	182T
EH3M9122T	3	200/230/460	3	1.15	1800	BALL	TEFC	ALL	182T
EM3615T	5	208-230/460	3	1.15	1800	BALL	TEFC	ALL	184T
EH3M9125T	5	200/230/460	3	1.15	3600	BALL	TEFC	ALL	184T
EH3M9126T	5	200/230/460	3	1.15	1800	BALL	TEFC	ALL	184T
EM3710T	7.5	208-230/460	3	1.15	1800	BALL	TEFC	ALL	213T
EH3M9128T	7.5	200/230/460	3	1.15	3600	BALL	TEFC	ALL	213T
EH3M9129T	7.5	200/230/460	3	1.15	1800	BALL	TEFC	ALL	213T
EHM371T	10	208-230/460	3	1.15	1800	BALL	TEFC	ALL	215T
EH3M9131T	10	200/230/460	3	1.15	3600	BALL	TEFC	ALL	215T
37J543S518G1	10	200/230/460	3	1.15	1800	BALL	TEFC	ALL	215T
EM3714T	10	208-230/460	3	1.15	1770	BALL	TEFC	ALL	215T
EH3M9133T	15	200/230/460	3	1.15	3600	BALL	TEFC	ALL	254T
EH3M9135T	15	200/230/460	3	1.15	1800	BALL	TEFC	ALL	254T

COMMERCIAL MOTORS

BALDOR® HVAC Integral Motors

Variable Torque, Totally Enclosed, Fan Cooled - Standard Efficiency



Features:

- Heavy Gauge Steel Frame Construction
- Balanced Rotors for Reduced Vibration and Quiet Operation
- Suitable Mounting For Any Position
- Available in 1-75 HP - ask us for a quote

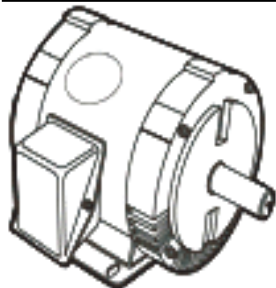
Motors

Part Number	HP	Volts	PH	SF	RPM	Bearing	Enclosure	Shaft POS	Frame
HM9110T	1	208-230/460	3	1.15	1800	BALL	TEFC	ALL	56HZ
H3M9106	1	200/230/460	3	1.15	3600	BALL	TEFC	ALL	56
H3M9110T	1	200/230/460	3	1.15	1800	BALL	TEFC	ALL	56HZ
HM9114T	1.5	208-230/460	3	1.15	1800	BALL	TEFC	ALL	145T
H3M9112T	1.5	200/230/460	3	1.15	3600	BALL	TEFC	ALL	143T
H3M9114T	1.5	200/230/460	3	1.15	1800	BALL	TEFC	ALL	145T
H3M9117T	2	200/230/460	3	1.15	3600	BALL	TEFC	ALL	145T
H3M9118T	2	200/230/460	3	1.15	1800	BALL	TEFC	ALL	145T
HM9122T	3	208-230/460	3	1.15	1800	BALL	TEFC	ALL	182T
H3M9121T	3	200/230/460	3	1.15	3600	BALL	TEFC	ALL	182T
HM9126T	5	208-230/460	3	1.15	1800	BALL	TEFC	ALL	184T
H3M9125T	5	200/230/460	3	1.15	3600	BALL	TEFC	ALL	184T
H3M9126T	5	200/230/460	3	1.15	1800	BALL	TEFC	ALL	184T
37H810R224G1	7.5	200/230/460	3	1.15	3600	BALL	TEFC	ALL	213T
H3M9129T	7.5	200/230/460	3	1.15	1800	BALL	TEFC	ALL	213T
HM9132T	10	208-230/460	3	1.15	1800	BALL	TEFC	ALL	215T
H3M9131T	10	200/230/460	3	1.15	3600	BALL	TEFC	ALL	215T
HM9135T	15	208-230/460	3	1.15	1800	BALL	TEFC	ALL	254T
H3M9133T	15	200/230/460	3	1.15	3600	BALL	TEFC	ALL	254T

COMMERCIAL MOTORS

BALDOR® HVAC Integral Motors

Variable Torque, Open Drip Proof - Premium Efficiency



Features:

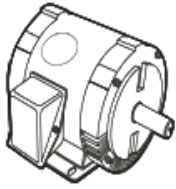
- Heavy Gauge Steel Frame Construction
- Balanced Rotors for Reduced Vibration and Quiet Operation
- Suitable Mounting For Any Position
- Available in 1-75 HP - ask us for a quote

Part Number	HP	Volts	PH	SF	RPM	Bearing	Enclosure	Shaft POS	Frame
EH3M9206	1	200/230/460	3	1.15	3600	BALL	ODP	ALL	56
EH3M9210T	1	200/230/460	3	1.15	1800	BALL	ODP	ALL	143T
EHM3154T	1.5	208-230/460	3	1.15	1800	BALL	ODP	ALL	145T
EH3M9212T	1.5	200/230/460	3	1.15	3600	BALL	ODP	ALL	143T
EH3M9214T	1.5	200/230/460	3	1.15	1800	BALL	ODP	ALL	145T
EM3154T	1.5	230/460	3	1.15	1755	BALL	OPSB	ALL	145T
EH3M9218T	2	200/230/460	3	1.15	1800	BALL	ODP	ALL	145T
EHM3211T	3	208-230/460	3	1.15	1800	BALL	ODP	ALL	182T
EH3M9221T	3	200/230/460	3	1.15	3600	BALL	ODP	ALL	145T
ERM3158TA	3	208-230/460	3	1.15	3450	BALL	ODP	ALL	145TY
EM3218T	5	208-230/460	3	1.15	1800	BALL	ODP	ALL	184T
35W928Q056G1	5	200/230/460	3	1.15	3600	BALL	ODP	ALL	182T
EHM9229T	7.5	208-230/460	3	1.15	1800	BALL	ODP	ALL	213T
EH3M9228T	7.5	200/230/460	3	1.15	3600	BALL	ODP	ALL	184T
EFM3311T	7.5	208-230/460	3	1.15	1770	BALL	OPSB	ALL	213T
EH3M9231T	10	200/230/460	3	1.15	3600	BALL	ODP	ALL	213T
EH3M9232T	10	200/230/460	3	1.15	1800	BALL	ODP	ALL	215T
EFM3313T	10	230/460	3	1.15	1770	BALL	OPSB	ALL	215T
EH3M9233T	15	200/230/460	3	1.15	3600	BALL	ODP	ALL	215T
93MS1005BA31090B	15	200/230/460	3	1.15	1800	BALL	ODP	ALL	254T
EM2513T	15	230/460	3	1.15	1765	BALL	OPSB	ALL	254T
EM2515T	20	230/460	3	1.15	1765	BALL	OPSB	ALL	256T
EM2531T	25	230/460	3	1.15	1770	BALL	OPSB	ALL	284T
EM2539T	40	230/460	3	1.15	1770	BALL	OPSB	ALL	324T

COMMERCIAL MOTORS

BALDOR® HVAC Integral Motors

Variable Torque, Open Drip Proof - Standard Efficiency



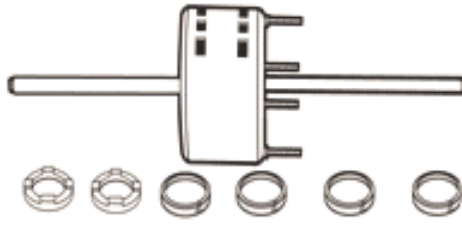
- Features:**
- Heavy Gauge Steel Frame Construction
 - Balanced Rotors for Reduced Vibration and Quiet Operation
 - Suitable Mounting For Any Position
 - Available in 1-75 HP - ask us for a quote

Part Number	HP	Volts	PH	SF	RPM	Bearing	Enclosure	Shaft POS	Frame
HM9210	1	208-230/460	3	1.15	1800	BALL	ODP	ALL	56HZ
HM9214T	1.5	208-230/460	3	1.15	1800	BALL	ODP	ALL	145T
H3M9212T	1.5	200/230/460	3	1.15	3600	BALL	ODP	ALL	143T
HM9218T	2	208-230/460	3	1.15	1800	BALL	ODP	ALL	145T
H3M9217T	2	200/230/460	3	1.15	3600	BALL	ODP	ALL	143T
H3M9218T	2	200/230/460	3	1.15	1800	BALL	ODP	ALL	145T
RM3157	2	208-230/460	3	1.15	1740	BALL	ODP	ALL	56H
EM3211T	3	208-230/460	3	1.15	1800	BALL	ODP	ALL	182T
H3M9221T	3	200/230/460	3	1.15	3600	BALL	ODP	ALL	145T
H3M9222T	3	200/230/460	3	1.15	1800	BALL	ODP	ALL	182T
H3M9225T	5	200/230/460	3	1.15	3600	BALL	ODP	ALL	182T
EM3311T	7.5	208-230/460	3	1.15	1800	BALL	ODP	ALL	213T
93MR0827CA280X0	7.5	200/230/460	3	1.15	3600	BALL	ODP	ALL	184T
EM3313T	10	208-230/460	3	1.15	1800	BALL	ODP	ALL	215T
H3M9231T	10	200/230/460	3	1.15	3600	BALL	ODP	ALL	213T
H3M9233T	15	200/230/460	3	1.15	3600	BALL	ODP	ALL	215T

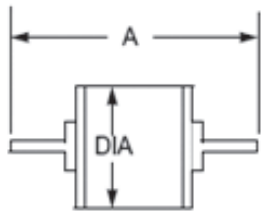
DOUBLE SHAFT FAN MOTORS

Totaline® Double Shaft Fan Motors

Permanent Split Capacitor



- Features:**
- Rated Continuous Air Over
 - Automatic Thermal Protection
 - Extended Thru-Bolts
 - Double Shaft, 1/2" Diameter, 8" each side
 - Class B Insulation
 - 20" Leads
 - Furnished without run capacitor
 - Length Adapter Kit included to facilitate mounting in cradle type-base
 - Rotaion CCW



Part Number	HP	Volts	PH	HZ	FLA	RPM	Speed	Bearing	Frame	Shaft			DIA	A	Capacitor MFD/Volt
										POS	DIA	Length			
P257-8651	1/6	115	1	60	2.4	1075	3	SLV	48Y	ALL	1/2	8.0/8.0	5.6	20.0	5/370
P257-8652	1/6	208-230	1	60	1	1075	3	SLV	48Y	ALL	1/2	8.0/8.0	5.6	20.0	5/370
P257-8671	1/4	115	1	60	3.7	1075	3	SLV	48Y	ALL	1/2	8.0/8.0	5.6	20.0	5/370
P257-8672	1/4	208-230	1	60	1.7	1075	3	SLV	48Y	ALL	1/2	8.0/8.0	5.6	20.0	5/370
P257-8682	1/3	208-230	1	60	2.5	1075	3	SLV	48Y	ALL	1/2	8.0/8.0	5.6	20.0	5/370
P257-8882	1/3	208-230	1	60	1.9	1625	3	SLV	48Y	ALL	1/2	8.0/8.0	5.6	20.0	5/370
P257-8692	1/2	208-230	1	60	3.5	1075	3	SLV	48Y	ALL	1/2	8.0/8.0	5.6	20.0	7.5/370
P257-8892	1/2	208-230	1	60	3	1625	3	SLV	48Y	ALL	1/2	8.0/8.0	5.6	20.0	5/370

UNIVERSAL REPLACEMENT PROPELLERS

General Information

Universal Replacement Propellers Information

GENERAL INFORMATION

The simplest form of an axial fan consists of a propeller, usually with three to five aluminum blades mounted in a venturi. This type of fan finds wide use in applications requiring high air volumes at low static pressures. The performance characteristics of propellers may vary in many ways. Some general guidelines are:

- Increased blade pitch increases CFM and HP
- Decreased blade pitch decreases CFM and HP
- Increasing the number of blades increases static pressure characteristics

ADVANTAGES OF PROPELLERS

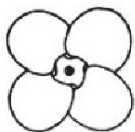
- Straight through air flow pattern
- Low cost
- Light weight
- High volume

TYPICAL APPLICATIONS

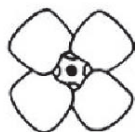
- Roof Top Unit Heaters
- Condensing Units
- Walk-In Refrigeration Units
- Pedestal Fans, Mancoolers, Ventilating Fans

BLADE SHAPE

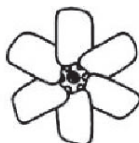
There are only three basic shapes that are of interest in the propeller selection - round, wide pressure blade and narrow pressure blade.



Round



Wide



Narrow

The round blades are used for free air delivery and low pressure applications, and are quieter.

The wide pressure blade is used in most applications operating at substantial static pressures. It has excellent pressure characteristics and reasonable noise levels.

The narrow pressure blade is generally used in applications where higher static pressure exists, such as multi-row coils or places where minimum axial depth is necessary.

Props for the replacement business

Both free air and condenser designs

- 2-, 3-, 4-, 5-, and 6-Blade Propellers
- Up to 60" in diameter, up to 40° pitches
- Hubs and Bushings: 1/4" to 1-7/16" bore

WHY INSTALL A NEW PROPELLER?

Propeller balance is sensitive and can be negatively affected by slight pressure. Simply resting the motor and propeller assembly on the ground after disassembly from a condensing unit may result in an unbalanced propeller. This is especially true of original equipment propellers, as they are constructed of lighter gauge material. If a puller must be used to remove a prop from a motor shaft, it is very likely that the propeller will be distorted from the pressure.



PROPELLER VIBRATION

Propellers are, by nature, rather flexible and subject to vibration. Commercially available propellers will have a number of natural frequencies occurring as different parts of the propeller vibrate, or as they vibrate in different modes. Lau exercises great care in designing propellers so natural frequencies do not occur at frequencies normally found in systems.

PITCH SELECTION

- A pitch gauge is used to measure the pitch and rotation of a propeller.
- Pitch is measured at the spider lobe
- Consult the chart for pitch selection to avoid motor overload
- Make certain that the propeller horsepower does not exceed the motor horsepower
- On "Free Air" type propellers, use the brake horsepower published under the RPM in the performance chart
- On "Condenser" type applications, where static pressure is unknown, use the brake horsepower published at .3" static pressure for the approx

IDENTIFYING PROPELLER ROTATION

- The direction of rotation of a propeller is determined to be clockwise (CW) or counter-clockwise (CCW) when viewed from the air discharge side (the cupped side of the blade)
- The discharge side is the concave ("cupped") side of the blade

EASY "SANDBOX METHOD" OF DETERMINING ROTATION

- Imagine standing in a sandbox and dropping the propeller face up or face down on the sand. Regardless of which side is up, the direction of rotation is the same as the direction required to turn the propeller into the sand

UNIVERSAL REPLACEMENT PROPELLERS

General Information

Universal Replacement Propellers Information

REPLACING A PROPELLER

1. Disconnect electrical power
2. Note the location for the current propeller in the unit. Remove current propeller from motor shaft with the proper type of puller
3. Remove burrs and/or rust from motor shaft
4. Locate interchangeable hub on desired side of propeller. Attach hub to propeller with three screws. Tighten screws to approximately 30 in-lbs
5. Place propeller on motor shaft in the unit, place the propeller in approximately the same position as the old propeller
6. Make sure that the propeller will be rotating in the correct direction
7. Fasten the propeller to the motor shaft by tightening set screws securely. Be sure to align setscrew on flat of the motor shaft
8. Rotate the propeller by hand to make sure that the blades clear any obstructions by at least 1/4"

▲Safety Tips:

Avoid personal injury and/or equipment damage.

Do not exceed recommended RPM shown in charts.

Lau propellers are 100% inspected and precision balanced. Identification labels are applied to blades BEFORE balancing. Removal of a Lau label and/or adding additional labels to propeller blades can affect balance

HOW TO REPLACE A 3-BLADE PROPELLER WITH A 4 OR 5-BLADE PROPELLER

1. Find the closest match to current blade from the data in the catalog
 - Match number of blades of the original propeller you are replacing
 - Match diameter of the original blade you are replacing
 - Match pitch (as closely as possible) to the original blade you are replacing
 - Check direction of rotation
2. Check current motor RPM for the existing blade
3. Check the Lau catalog technical data for the closest matching 3-blade replacement propeller's CFM and HP required
4. Find a propeller with same diameter and a different number of blades
5. Following the row for the motor's speed, find a propeller with CFM closest to original blade
 - Make sure the CFM is equal or greater to CFM of the blade you are replacing
 - **DO NOT** replace existing blade with a propeller that has a lower CFM
6. Ensure new blade's HP required is less than the nameplate rating of the motor.
 - If BHP exceeds nameplate rating, use prop with less CFM until HP is under nameplate rating on motor

DID YOU KNOW?

You can replace a 3-blade condenser fan with a 4-blade or 5-blade fan. If you do this, choose a replacement that matches the CFM required as nearly as possible. Ensure the brake HP required **does not** exceed the nameplate rating of the motor.

NOTE: If minimum HP required for a fan blade is .501 the motor must be more than 1/2 HP motor

Horsepower Conversion Chart

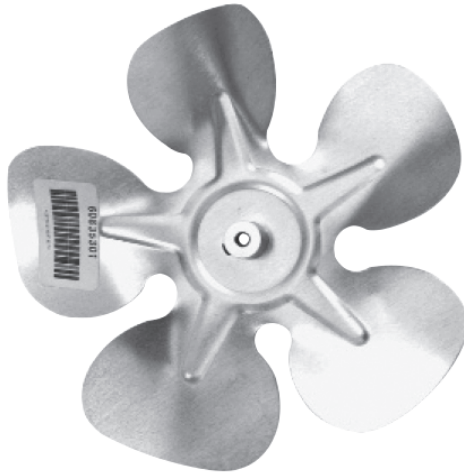
Use to convert decimal horsepower to commonly available fractional horsepower motors.
(For watt conversion, use the formula 745.7 watts = 1 HP)

Decimal	0.010	0.014	0.017	0.020	0.025	0.033	0.040	0.050	0.067	0.083	0.100	0.125	0.167	0.250	0.333	0.500	0.750	1.000
Fractional	1/100	1/70	1/60	1/50	1/40	1/30	1/25	1/20	1/15	1/12	1/10	1/8	1/6	1/4	1/3	1/2	3/4	1

UNIVERSAL REPLACEMENT PROPELLERS

Hub Type Propellers

Aluminum Fixed Hub



Features:

- 3, 5, and 6 Blade Designs
- 5 1/2" - 10" Diameters
- 1/4" and 5/16" Bores
- CW and CCW Rotations
- High Quality Aluminum Blades

Typical applications:

- Air Moving - heating or cooling
- Fan Coils
- Freezers
- Refrigerators
- Refrigerated Display Cases
- Heaters
- Ventilators
- Range Hoods
- Small Appliances

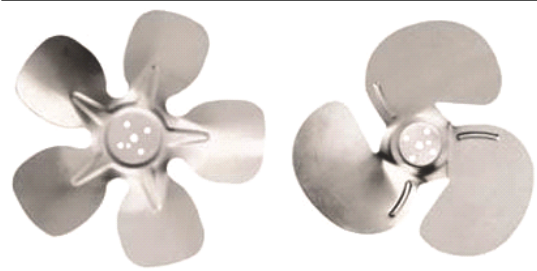
Part Number	Blades	Diameter	Bore	Pitch	Rotation	Depth	RPM	Max Pack	Standard Weight
60834601	6	5-1/2"	1/4"	45°	CW	1-1/2"	3450	4	1.0
60834701	6	5-1/2"	1/4"	45°	CCW	1-1/2"	3450	4	1.0
60834801	5	7"	1/4"	27°	CW	1-1/2"	3600	4	1.0
60834901	5	7"	1/4"	27°	CCW	1-1/2"	3600	4	1.0
60835001	5	7"	5/16"	27°	CW	1-1/2"	3600	4	1.0
60835101	5	7"	5/16"	27°	CCW	1-1/2"	3600	4	1.0
60835201	5	8"	1/4"	24°	CW	1-1/6"	3600	4	1.2
60835301	5	8"	1/4"	24°	CCW	1-1/6"	3600	4	1.2
60835401	5	8"	1/4"	30°	CW	1-5/8"	3600	4	1.2
60835501	5	8"	1/4"	30°	CCW	1-5/8"	3600	4	1.2
60835601	5	8"	5/16"	18°	CW	1-1/16"	3600	4	1.2
60835701	5	8"	5/16"	18°	CCW	1-1/16"	3600	4	1.2
60835801	5	8"	5/16"	23°	CW	1-5/16"	3600	4	1.2
60835901	5	8"	5/16"	23°	CCW	1-5/16"	3600	4	1.2
60836201	5	9"	5/16"	26°	CW	1-1/4"	3000	4	1.4
60836301	5	9"	5/16"	26°	CCW	1-1/4"	3000	4	1.4
60836601	5	10"	1/4"	31°	CW	1-5/8"	2400	4	2.0
60836701	5	10"	1/4"	31°	CCW	1-5/8"	2400	4	2.0
60836801	5	10"	5/16"	20°	CW	1-1/8"	2400	4	2.0
60836901	5	10"	5/16"	20°	CCW	1-1/8"	2400	4	2.0
60837001	5	10"	5/16"	31°	CW	1-5/8"	2400	4	2.0
60837101	5	10"	5/16"	31°	CCW	1-5/8"	2400	4	2.0

CW Rotation: Hub on Intake Side.

CCW Rotation: Hub on Discharge Side.

UNIVERSAL REPLACEMENT PROPELLERS

Hubless Type Propellers



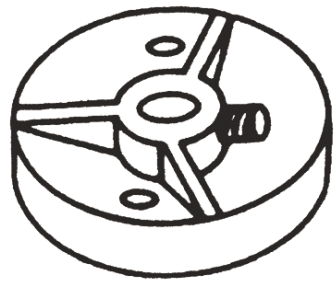
- Features:**
- 3, 5, and 6 Blade Designs
 - 5 1/2" - 10" Diameters
 - 1/4" and 5/16" Bores
 - CW and CCW Rotations
 - High Quality Aluminum Blades

Part Number	Blades	Diameter	Pitch	Rotation	Depth	RPM	Pack
60838201	3	7-3/4"	30°	CW	2-9/16"	1550	4
60839701	3	8-3/4"	23°	CW	2-1/4"	1550	4
60838301	3	8-3/4"	32°	CW	3"	1550	4
60838401	3	10"	24°	CW	2-5/8"	1550	4
60837201	5	7"	20°	CW	1"	3600	4
60837301	5	7"	31°	CW	1-1/2"	3600	4
60837401	5	7-3/4"	20°	CW	1-1/8"	3600	4
60837501	5	7-3/4"	31°	CW	1-11/16"	3600	4
60837601	5	8"	24°	CW	1"	3600	4
60837701	5	8"	31°	CW	1-5/8"	3600	4
60837801	5	9"	20°	CW	1"	3000	4
60837901	5	9"	31°	CW	1-5/8"	3000	4
60838001	5	10"	20°	CW	1"	2400	4
60838101	5	10"	31°	CW	1-5/8"	2400	4

CW Rotation: Hub on Intake Side.

Used on equipment manufactured by well known OEMs such as Copeland, Tecumseh, Larkin Coils, Witt, Whirlpool, G.E., Carrier, Heil-Quaker, Nutone, Borg-Warner, Tappan, Amana, BDP, Barber-Colman, Emerson, Scotsman, Vendo and Beverage Air.

Interchangeable Hubs For Hubless Propellers

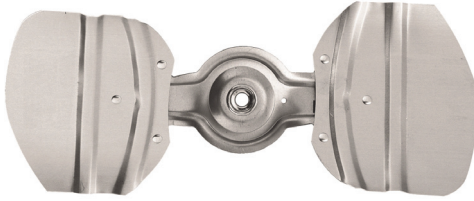


Part Number	Bore
05382501	1/4"
05382502	5/16"

UNIVERSAL REPLACEMENT PROPELLERS

Fixed Hub Propellers

2-Blade with 1/2" Bore



Features:

- 14" - 24" diameters
- 2 Per Pack
- High strength aluminum blades
- Each propeller clearly labeled as to pitch, diameter, rotation and maximum RPM
- Available for immediate delivery from stock
- Top quality, epoxy painted spiders with high salt spray characteristics
- Steel Fixed Hub - 1/2" bore – exact propellers supplied to OEMs (no need for interchangeable hub feature since all Lau OEMs use 1/2" bore only)

Typical Applications

- For lower static pressure condensing units
- Well-known OEMs such as, G.E., Rheem-Rudd, Singer- Climate Control, Trane, etc.

Part Number	Rot Hub Loc*	Diameter	Pitch	Pack
60743401	CW,D	14"	36°	2
60772501	CCW,I	18"	28°	2
60652101	CCW,I	18"	33°	2
60772601	CCW,I	20"	28°	2
60772701	CCW,I	22"	16°	2
60814201	CCW,I	22"	27°	2
60772801	CCW,I	24"	27°	2

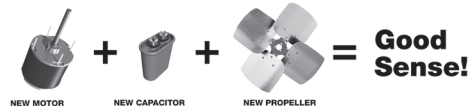
Part No.	RPM	Static Pressure									
		.0" WC		.1" WC		.2" WC		.3" WC		.4" WC	
		CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP
60743401	825	1067	.27	689	.035	-	-	-	-	-	-
	1075	1391	.061	1145	.068	742	.083	-	-	-	-
	1140	1475	.072	1248	.080	913	.094	399	.120	-	-
	1550	2005	.0182	1850	.191	1667	.202	1442	.219	1134	.244
60772501	1625	2102	.210	1956	.219	1785	.230	1582	.247	1321	.269
	830	2003	.061	1569	.070	668	.082	-	-	-	-
	1075	2572	.122	2219	.131	1799	.146	984	.160	606	.197
	1140	2768	.144	2394	.155	2093	.174	1189	.177	814	.215
60652101	830	2217	.078	1758	.090	748	.103	-	-	-	-
	1075	2841	.154	2491	.165	2124	.189	1080	.201	707	.245
	1140	3015	.187	2667	.199	2380	.223	1310	.219	884	.268
60772601	830	2375	.085	1775	.095	1025	.100	400	.120		
	1000	2861	.148	2410	.161	1777	.168	1175	.184		
	1140	2774	.155	2376	.181	2019	.197	1607	.207		
60772701	830	2325	.060	1425	.070	450	.100	-	-		
	1000	2800	.105	2024	.110	1289	.138	452	.210		
	1140	3193	.155	2541	.158	1889	.181	1188	.218		
60814201	830	3250	.095	2650	.113	1815	.130	1250	.148		
	1000	3910	.160	3400	.188	2890	.210	2100	.226		
	1140	4450	.240	4020	.270	3570	.298	3060	.320		
60772801	830	4136	.151	3504	.175	2358	.186	899	.240	-	-
	1075	5299	.300	4753	.318	4346	.360	3785	.393	1845	.416
	1140	5647	.367	5015	.370	4645	.418	4202	.460	2254	.456

CW, D – Clockwise Rotation, hub on Discharge side of propeller.
 CCW, I – Counter-Clockwise Rotation, hub on Intake side of propeller.

Safety Tips:

Avoid personal injury and/or equipment damage. Do not exceed recommended RPM shown in charts. Lau propellers are 100% inspected and precision balanced. Identification labels are applied to blades BEFORE balancing. Removal of a Lau label and/or adding additional labels to propeller blades can affect balance.

Why Risk a Callback?



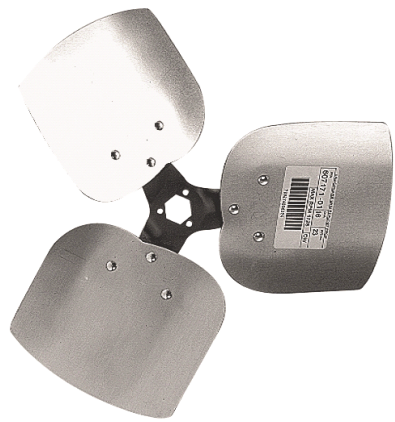
When replacing a PSC motor, always replace the capacitor and insist on a Lau Universal Replacement Propeller to assure years of service from the motor you install today!

UNIVERSAL REPLACEMENT PROPELLERS

Heavy Duty Condenser Type Propellers

3-Blade Propellers

Motor Accessories



Features:

- 3-blade configuration is normally used in low pressure applications
- 2 Per pack
- Square pressure-type blades are required for most condenser applications
- High quality aluminum blades
- Interchangeable hubs available from 1/4" through 3/4" bore, may be attached on either intake or discharge side (purchase separately)
- Pitches available for most common horsepower and motor speeds up to 1725 RPM in both CW and CCW rotations

Typical Applications

- Air Conditioning Condensers
- Power Roof Ventilators
- Heat Pumps
- Heat Exchangers
- Roof Top Air Conditioners
- Commercial and Industrial Equipment
- Unit Heaters
- Agricultural Ventilation Equipment
- Walk-in Refrigeration Units
- General Cooling/Heating Applications

Part Number	Rot Hub Loc*	Diameter	Pitch	Pack
60265201	CW	10"	27°	2
60265301	CCW	10"	27°	2
60716101	CW	12"	19°	2
60716201	CCW	12"	19°	2
60716301	CW	12"	23°	2
60716401	CCW	12"	23°	2
60716501	CW	14"	23°	2
60716601	CCW	14"	23°	2
60716701	CW	14"	27°	2
60716801	CCW	14"	27°	2
60716901	CW	16"	19°	2
60717001	CCW	16"	19°	2
60717101	CW	16"	23°	2
60717201	CCW	16"	23°	2
60556101	CW	18"	27°	2
60556201	CCW	18"	27°	2
60556301	CW	18"	30°	2
60556401	CCW	18"	30°	2
60556501	CW	18"	33°	2
60556601	CCW	18"	33°	2
60556701	CW, CCW	20	27°	2
60556901	CW	20"	30°	2
60557001	CCW	20"	30°	2
60557101	CW	20"	33°	2
60557201	CCW	20"	33°	2
60557301	CW	22"	27°	2
60557401	CCW	22"	27°	2
60557501	CW	22"	33°	2
60557601	CCW	22"	33°	2
60557701	CW	24"	27°	2
60557801	CCW	24"	27°	2
60557901	CW	24"	33°	2
60558001	CCW	24"	33°	2

UNIVERSAL REPLACEMENT PROPELLERS

Heavy Duty Condenser Type Propellers

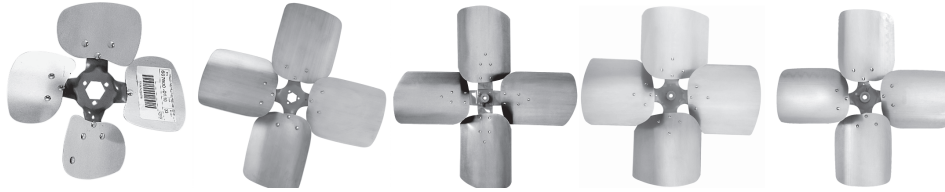
3-Blade Propellers Static Pressure Rating

Part No.	RPM	Static Pressure									
		.0" WC		.1" WC		.2" WC		.3" WC		.4" WC	
		CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP
60265201 60265301	1075	443	.013	213	.018	96	.019				
	1140	471	.016	255	.020	115	.027				
	1550	632	.027	508	.034	335	.040	229	.048		
60716101 60716201	1075	559	.015	309	.021	169	.026				
	1140	587	.017	378	.023	204	.028				
	1550	800	.032	674	.040	490	.047	353	.055	210	.061
60716301 60716401	1075	720	.019	543	.027	263	.033				
	1140	769	.022	608	.029	327	.037	162	.041		
	1550	1037	.045	936	.053	792	.064	543	.075	407	.084
60716501 60716601	1075	1060	.031	806	.041	499	.053				
	1140	1120	.035	893	.047	602	.058	397	.074		
	1550	1512	.071	1395	.086	1172	.102	927	.116	757	.134
60716701 60716801	1075	1211	.037	951	.047	610	.060	338	.077		
	1140	1275	.046	1065	.057	723	.069	485	.087		
	1550	1717	.103	1586	.117	1388	.133	1116	.149	895	.169
60716901 60717001	1075	1415	.046	1218	.057	774	.071	518	.085		
	1140	1500	.053	1322	.063	962	.079	641	.093	413	.107
	1550	2014	.111	1890	.125	1751	.142	1555	.161	1187	.181
60717101 60717201	1075	1613	.054	1432	.068	1080	.083	689	.101	349	.112
	1140	1725	.062	1556	.076	1234	.091	806	.110	562	.128
	1550	2299	.140	2181	.158	2044	.178	1860	.200	1556	.222
60556101 60556201	1075	2138	.068	1741	.083	970	.097	597	.122		
	1140	2336	.076	1889	.092	1118	.107	728	.133	1057	.211
	1550	3137	.103	2580	.121	1519	.139	1099	.161	1269	.237
60556301 60556401	825	2236	.080	1820	.093	1028	.110	640	.138		
	1075	2908	.164	2596	.166	2256	.199	1582	.220	1136	.244
	1140	3066	.189	2804	.195	2524	.226	2022	.257	1351	.274
60556501 60556601	825	2453	.095	2032	.105	1209	.122	746	.149		
	1075	3127	.197	2857	.193	2534	.223	1802	.249	1252	.271
	1140	3321	.229	3063	.229	2765	.259	2174	.292	1483	.306
60556701	850	2500	.072	2100	.085	1460	.105	950	.122		
	1000	2970	.115	2600	.135	2170	.155	1600	.175		
	1140	3360	.170	3070	.200	2700	.230	2280	.250		
60556901 60557001	850	2750	.100	2400	.110	1740	.125	1150	.150		
	1000	3250	.140	3000	.157	2400	.190	1850	.210		
	1140	3700	.220	3480	.240	3150	.253	2660	.300		
60557101 60557201	850	2950	.110	2570	.120	1850	.140	1300	.170		
	1000	3500	.175	3170	.190	2550	.217	2000	.240		
	1140	4000	.250	3700	.270	3400	.300	2860	.350		
60557301 60557401	850	3930	.200	3650	.220	3200	.240	2500	.275		
	1000	4700	.340	4400	.360	4050	.380	3600	.400		
	1140	5330	.500	5100	.530	4800	.570	4500	.620		
60557501 60557601	850	4600	.300	4250	.330	3800	.360	3100	.380		
	1000	5450	.490	5150	.510	4800	.522	4380	.553		
	1140	6200	.720	5950	.753	5600	.810	5300	.850		
60557701 60557801	825	4844	.237	4302	.241	3855	.286	1819	.315	1247	.384
	1075	6277	.492	5834	.492	5518	.537	5195	.590	4769	.643
	1140	6632	.583	6170	.584	5872	.633	5588	.688	5267	.742
60557901 60558001	825	5335	.300	4708	.307	4244	.364	1931	.395	1444	.472
	1075	6956	.640	6432	.635	6092	.688	5758	.747	5346	.803
	1140	7538	.747	6889	.725	6550	.780	6233	.848	5877	.919
	1625	10072	1.857	9698	1.885	9421	1.949	9194	2.017	8985	2.087

UNIVERSAL REPLACEMENT PROPELLERS

Heavy Duty Condenser Type Propellers

4-Blade Propellers Static Pressure Rating



Features:

- 4- 5 blade configurations are suited for Higher stand pressure
- 2 Per Pack

Part Number	Rot Hub Loc*	Diameter	Pitch	Pack
60717301	CW	10"	19°	2
60717401	CCW	10"	19°	2
60717501	CW, CCW	10"	23°	2
60717701	CW	10"	27°	2
60717801	CCW	10"	27°	2
60759901	CW	10"	33°	2
60760001	CCW	10"	33°	2
60717901	CW	12"	19°	2
60718001	CCW	12"	19°	2
60718101	CW	12"	23°	2
60718201	CCW	12"	23°	2
60718301	CW	12"	27°	2
60718401	CCW	12"	27°	2
60760101	CW	12"	33°	2
60760201	CCW	12"	33°	2
60718501	CW	14"	19°	2
60718601	CCW	14"	19°	2
60718701	CW	14"	23°	2
60718801	CCW	14"	23°	2
60718901	CW	14"	27°	2
60719001	CCW	14"	27°	2
60760301	CW	14"	33°	2
60760401	CCW	14"	33°	2
60719101	CW	16"	19°	2
60719201	CCW	16"	19°	2
60719301	CW	16"	19°	2
60719401	CCW	16"	19°	2
60719501	CW	16"	27°	2
60719601	CCW	16"	27°	2
60760501	CW	16"	33°	2
60760601	CCW	16"	33°	2
60800201	CW	18"	23°	2
60800301	CCW	18"	23°	2
60558101	CW	18"	27°	2
60558201	CCW	18"	27°	2
60558301	CW	18"	30°	2
60558401	CCW	18"	30°	2
60558501	CW	18"	33°	2
60558601	CCW	18"	33°	2
60800401	CW	20"	23°	2
60800501	CCW	20"	23°	2

UNIVERSAL REPLACEMENT PROPELLERS

Heavy Duty Condenser Type Propellers

4-Blade Propellers Static Pressure Rating

Part Number	Rot Hub Loc*	Diameter	Pitch	Pack
60558701	CW	20"	27°	2
60558801	CCW	20"	27°	2
60558901	CW	20"	30°	2
60559001	CCW	20"	30°	2
60559101	CW	20"	33°	2
60559201	CCW	20"	33°	2
60804101	CW	22"	23°	2
60804201	CCW	22"	23°	2
60559301	CW	22"	27°	2
60559401	CCW	22"	27°	2
60559501	CW	22"	33°	2
60559601	CCW	22"	33°	2
60804301	CW	24"	23°	2
60804401	CCW	24"	23°	2
60559701	CW	24"	27°	2
60559801	CCW	24"	27°	2
60559901	CW	24"	33°	2
60560001	CCW	24"	33°	2
60760701	CW	26"	24°	1
60760801	CCW	26"	24°	1

UNIVERSAL REPLACEMENT PROPELLERS

Heavy Duty Condenser Type Propellers

4-Blade Propellers Static Pressure Rating

Motor Accessories

Part No.	RPM	Static Pressure									
		.0" WC		.1" WC		.2" WC		.3" WC		.4" WC	
		CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP
60717301 60717401	825	432	.012	309	.017	-	-	-	-	-	-
	1075	563	.027	477	.033	361	.038	-	-	-	-
	1140	597	.033	516	.039	416	.044	-	-	-	-
	1550	812	.082	754	.091	692	.099	623	.107	536	.113
	1725	857	.095	796	.104	738	.113	624	.121	598	.128
60717501	1075	402	.012	220	.017	132	.023				
	1140	429	.016	271	.021	154	.026				
	1550	580	.025	479	.032	333	.038	252	.046	193	.054
	1725	646	.033	557	.041	422	.047	330	.056	277	.064
60717701 60717801	1140	580	.011	366	.023	209	.018				
	1550	788	.027	600	.029	440	.033	350	.040		
	1725	877	.037	723	.039	587	.042	462	.049		
60759901 60760001	1075	535	.019	334							
	1140	564	.022	365	.027	231	.035				
	1550	771	.045	635	.050	497	.058	398	.069		
	1725	856	.057	771	.064	607	.069	519	.080	437	.092
60717901 60718001	1075	586	.019	410	.025	273	.031	168	.035		
	1140	623	.020	471	.027	318	.033	228	.039		
	1550	839	.042	746	.051	613	.060	495	.069	415	.077
	1725	929	.054	841	.064	725	.074	612	.085	537	.094
60718101 60718201	1075	731	.022	569	.029	345	.037	28	.044		
	1140	773	.024	640	.033	414	.042	290	.049		
	1550	1045	.048	969	.061	824	.074	644	.086	534	.095
	1725	1162	.065	1095	.088	994	.089	831	.105	690	.117
60718301 60718401	1075	822	.023	683	.032	422	.040	272	.048		
	1140	872	.030	725	.039	489	.048	341	.057		
	1550	1171	.060	1100	.071	983	.084	762	.100	610	.122
	1725	1302	.081	1233	.092	1136	.107	973	.124	794	.139
60760101 60760201	1075	953	.032	808	.041	488	.052	326	.062		
	1140	1015	.040	902	.047	565	.060	408	.071		
	1550	1369	.087	1292	.096	1161	.110	919	.129	745	.144
	1725	1508	.119	1447	.127	1356	.140	1172	.163	943	.184
60718501 60718601	1075	970	.023	772	.035	492	.045	344	.055		
	1140	1030	.029	853	.040	576	.050	413	.063	264	.073
	1550	1380	.066	1281	.080	1134	.095	899	.108	731	.123
	1725	1523	.088	1445	.104	1332	.119	1134	.133	926	.149
60718701 60718801	1075	1143	.035	982	.047	628	.059	448	.072	252	.081
	1140	1216	.043	1075	.054	741	.069	535	.081	386	.093
	1550	1643	.089	1564	.103	1452	.119	1248	.136	972	.154
	1725	1810	.123	1740	.139	1644	.155	1488	.171	1211	.190
60718901 60719001	1075	1286	.046	1131	.055	737	.071	525	.087		
	1140	1370	.054	1225	.064	843	.081	624	.096	440	.113
	1550	1838	.125	1754	.138	1629	.153	1376	.173	1090	.198
	1725	2036	.167	1963	.180	1863	.197	1702	.218	1418	.244
60760301 60760401	1075	1448	.061	1241	.069	858	.089	596	.105		
	1140	1531	.076	1341	.085	940	.108	709	.125	517	.143
	1550	2077	.179	1972	.185	1811	.200	1521	.228	1240	.255
	1725	2298	.234	2208	.245	2086	.260	1891	.282	1598	.312
60719101 60719201	1075	1405	.045	1231	.059	919	.075	646	.089	490	.102
	1140	1482	.049	1332	.065	1098	.079	766	.093	562	.109
	1550	1960	.113	1864	.131	1740	.151	1564	.171	1324	.192
	1725	2161	.142	2077	.166	1975	.189	1841	.213	1657	.235
60719301 60719201	1075	1671	.064	1527	.078	1251	.096	845	.113	637	.133
	1140	1774	.072	1638	.087	1410	.107	1018	.126	784	.144
	1550	2365	.169	2268	.189	2156	.210	2016	.233	1815	.258
	1725	2602	.218	2518	.239	2422	.263	2307	.290	2158	.321

UNIVERSAL REPLACEMENT PROPELLERS

Heavy Duty Condenser Type Propellers

4-Blade Propellers Static Pressure Rating

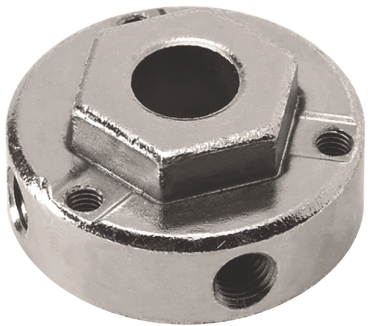
Part No.	RPM	Static Pressure									
		.0" WC		.1" WC		.2" WC		.3" WC		.4" WC	
		CFM	HP	CFM	HP	CFM	HP	CFM	HP	CFM	HP
6 07195 01 6 07196 01	1075	1896	.087	1747	.099	1498	.120	1018	.140	754	.158
	1140	1997	.100	1872	.115	1653	.133	1237	.154	934	.175
	1550	2677	.229	2593	.244	2488	.263	2348	.288	2123	.319
	1725	2959	.314	2879	.327	2789	.346	2682	.369	2547	.397
6 07605 01 6 07606 01	1075	2013	.110	1852	.119	1469	.139	1123	.164	873	.188
	1140	2134	.123	1963	.131	1611	.154	1277	.183	1038	.209
	1550	2882	.299	2782	.308	2655	.327	2501	.355	2296	.390
	1725	3201	.397	3107	.405	2988	.422	2851	.449	2684	.483
6 08002 01 6 08003 01	825	1918	.053	1678	.068	1027	.085	663	.103		
	1075	2491	.105	2291	.121	2060	.147	1595	.173	1117	.190
	1140	2614	.126	2450	.142	2252	.168	1900	.199	1325	.217
	1625	3624	.319	3508	.335	3388	.361	3259	.393	3111	.431
6 05581 01 6 05582 01	825	2115	.068	1855	.082	1205	.102	765	.124		
	1075	2690	.136	2502	.157	2240	.188	1657	.216	1212	.236
	1140	2873	.167	2702	.179	2495	.205	2174	.239	1465	.263
	1625	3960	.408	3855	.426	3740	.451	3609	.484	3454	.523
6 05583 01 6 05584 01	825	2241	.078	1942	.093	1244	.114	799	.138		
	1075	2886	.172	2699	.179	2461	.204	1954	.238	1289	.259
	1140	3045	.194	2869	.206	2654	.234	2295	.270	1521	.290
	1625	4231	.487	4122	.503	4003	.529	3873	.563	3727	.603
6 05585 01 6 05586 01	825	2433	.100	2055	.113	1391	.135	862	.157		
	1075	3130	.208	2934	.214	2648	.240	2047	.274	1513	.297
	1140	3309	.247	3089	.242	2828	.272	2458	.316	1750	.340
	1625	4623	.638	4501	.634	4350	.650	4188	.683	4001	.730
6 08004 01 6 08005 01	850	2235	.056	1830	.075	1400	.090	1060	.105		
	1000	2630	.091	2280	.117	1930	.135	1560	.160		
	1140	3000	.135	2700	.160	2400	.190	2100	.207		
	850	2590	.090	2180	.103	1700	.130	1300	.142		
6 05587 01 6 05588 01	1000	3000	.150	2680	.162	2300	.180	1900	.200		
	1140	3420	.196	3120	.230	2800	.255	2450	.280		
	850	2800	.110	2490	.128	1900	.145	1500	.170		
	1000	3300	.180	3020	.200	2650	.220	2150	.240		
6 05589 01 6 05590 01	1140	3770	.260	3510	.290	3215	.310	2830	.335		
	850	3120	.130	2700	.150	2040	.165	1610	.195		
	1000	3660	.210	3330	.235	2850	.260	2300	.282		
	1140	4160	.315	3900	.340	3520	.360	3020	.390		
6 08041 01 6 08042 01	850	3300	.150	3070	.175	2760	.200	2340	.220		
	1000	3870	.245	3700	.275	3450	.305	3150	.330		
	1140	4410	.360	4270	.395	4090	.430	3850	.460		
	850	3900	.208	3650	.230	3280	.255	2800	.280		
6 05593 01 6 05594 01	1000	4580	.330	4400	.365	4100	.395	3780	.427		
	1140	5220	.500	5050	.520	4840	.565	4580	.600		
	850	4460	.300	4200	.322	3830	.350	3100	.375		
	1000	5250	.480	5050	.520	4780	.552	4400	.580		
6 05595 01 6 05596 01	1140	6000	.710	5800	.760	5600	.800	5320	.830		
	825	4188	.187	3829	.213	3415	.258	2262	.292	1550	.334
	1075	5457	.413	5112	.408	4857	.453	4611	.508	4322	.567
	1140	5728	.484	5466	.506	5217	.550	4962	.601	4662	.655
6 05597 01 6 05598 01	1625	7742	1.266	7504	1.252	7296	1.290	7124	1.345	6964	1.408
	825	4958	.262	4570	.281	4103	.328	2761	.365	1904	.414
	1075	6329	.535	6081	.565	5829	.607	5546	.657	5183	.711
	1140	6735	.627	6450	.673	6194	.723	5930	.774	5629	.825
6 05599 01 6 05600 01	1625	9042	1.548	8848	1.642	8670	1.705	8496	1.769	8323	1.835
	825	5879	.376	5526	.402	5041	.444	3560	.484	2322	.522
	1075	7519	.806	7293	.827	7029	.864	6700	.919	6235	.988
	1140	7943	.935	7669	.965	7391	1.103	7089	1.071	6733	1.137
6 07607 01 6 07608 01	1625	10763	2.312	10586	2.359	10412	2.416	10237	2.481	10059	2.553
	850	5440	.333	5200	.375	4900	.412	4500	.448		
	1000	6400	.540	6200	.590	6000	.630	5700	.680		
	1140	7300	.810	7120	.860	6930	.910	6720	.9601		

UNIVERSAL REPLACEMENT PROPELLERS

Propeller Accessories

Interchangeable Hubs

HEX/Round Hubs

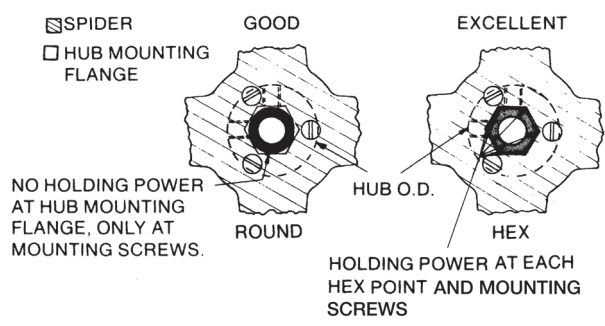


Features:

- For use on all 3-Blade, 4-Blade and 5-Blade propellers Includes set and mounting screws
- All steel with extra metal in the two mounting surfaces (hex and round) for more secure fit in multiple applications
- Hex on one side, round on the other (may use either side) – one inventory for all propellers
- Zinc-plated, coated with gold chromate for double protection
- Setscrews are heat-treated, black oxide
- Mounting screws: zinc-plated, heat-treated, pan-slotted – with locking serrations under the head - with nylock patch for added locking strength (double locking device designed to grip into the threads without backing out)
- 5/8" and 3/4" have keyway with extended body length for increased strength
- Can be ordered in boxes of 12 or individually

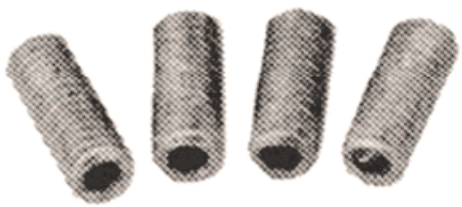
Part Number	Bore	Set Screws
60765801	1/4"	1
60765802	5/16"	1
60765803	3/8"	1
60765804	1/2"	2
60765805	5/8**	2
60765806	3/4**	2

*with keyway



Setscrews

Allen Head Setscrews



Part Number	Recommended Description	Setting Torque	Pkg.
05055001	1/4-28 x 1/2"	70 In-lbs.	12
05055002	5/16-24 x 5/8"	130 In-lbs.	12

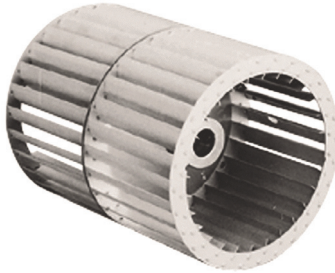
Technical tip:

Lau HEX design takes the torque off the screws and puts it on the hub and spider - where it belongs!

BLOWER WHEELS

Double Inlet Blower Wheels

Aluminum With Steel Hubs (4-3/4" - 7-1/2" Diameter)



Note: To determine rotation for double wheels, view from hub.

Technical Tips:

For other sizes: Double inlet wheels may be duplicated in the field by:

1. Using one CW and one CCW single wheel – may be different widths to make up space required, but diameters must be the same.
2. For wheels too close to apparatus to reach with driver, tighten wheels to shaft by using extended "T" Allen wrench inserted through a notch in one of the blades in each wheel.

Caution:

To avoid potential vibration, allow slight air gap (min. 1/32") between wheels.

Part Number	Diameter	Width	Rotation	Bore	RPM
02895808	4-3/4"	5-1/8"	CW	1/2"	3450
02895814	4-3/4"	5-1/8"	CCW	1/2"	3450
02895801	4-3/4"	6-7/8"	CW	1/2"	3450
02895815	4-3/4"	6-7/8"	CCW	1/2"	3450
02895802	5-1/4"	5-7/8"	CW	1/2"	3450
02895816	5-1/4"	5-7/8"	CCW	1/2"	3450
02895817	5-1/4"	6-3/4"	CCW	1/2"	3450
02895818	5-1/4"	6-3/4"	CW	1/2"	3450
02895803	5-1/4"	6-7/8"	CW	1/2"	3450
02895819	5-1/4"	6-7/8"	CCW	1/2"	3450
02895804	5-3/4"	5-7/8"	CW	1/2"	3450
02895820	5-3/4"	5-7/8"	CCW	1/2"	3450
02895805	5-3/4"	6-7/8"	CW	1/2"	3450
02895821	5-3/4"	6-7/8"	CCW	1/2"	3450
02895822	5-3/4"	7-5/8"	CW	1/2"	3450
02895823	5-3/4"	7-5/8"	CCW	1/2"	3450
02895824	5-3/4"	8"	CW	1/2"	3450
02895825	5-3/4"	8"	CCW	1/2"	3450
02895806	5-3/4"	8-1/2"	CW	1/2"	3450
02895826	5-3/4"	8-1/2"	CCW	1/2"	3450
02895827	6-5/16"	6-3/8"	CW	3/4"	3450
02895828	6-5/16"	6-3/8"	CCW	3/4"	3450
02895807	6-5/16"	7-5/8"	CW	1/2"	3450
02895829	6-5/16"	7-5/8"	CCW	1/2"	3450
02895832	7-1/2"	4"	CW	3/4"	2500
02895833	7-1/2"	4"	CCW	3/4"	2500
02895834	7-1/2"	5"	CW	3/4"	2500
02895835	7-1/2"	5"	CCW	3/4"	2500
02895836	7-1/2"	6-11/32"	CW	3/4"	1800
02895837	7-1/2"	6-11/32"	CCW	3/4"	1800

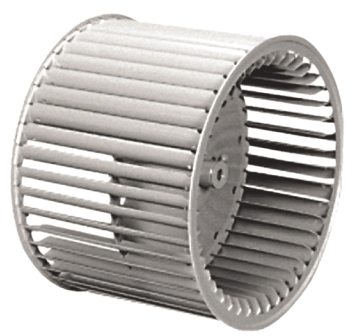
Notes: Blower Wheels Sorted By Diameter Size

BLOWER WHEELS

Double Inlet Blower Wheels

Direct Drive Wheels (9" - 11" Diameter)

Lau Universal Replacement "DD" Preslok Wheels For Direct Drive Blowers



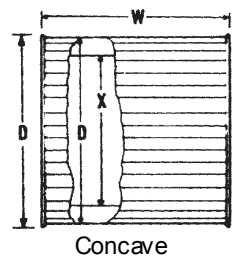
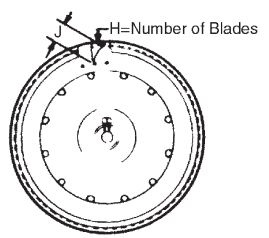
Features:

- 9" - 11" Double Inlet features a new design ensuring more precise blade spacing and improved consistency in alignment and balance
- Dynamically balanced, forward curved
- Incorporates Preslok center disc construction for positive blade retention
- Provides higher RPM capability and industry proven reliability
- Offering the same outstanding features and high quality as Lau "A Series" Preslok Wheels, "DD" Preslok Wheels have a special hub for use with direct drive blowers
- All Standard Replacement Wheels are galvanized, cold-rolled steel
- Standard center disc arrangements shown

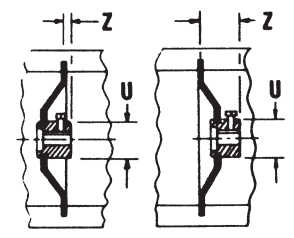
Rotation determined by viewing from hub side.

J = 1" on all models thru 11"

J = 11 5/16" on 12" models Rotation determined by viewing from hub side.



Concave



Convex

Temperature: Due to temperature limitations of most motors, these wheels are recommended for application temperatures not exceeding 135°F (60°C). Wheels are rated to 200°F.

Service Tip: If opposite rotation is required, mount motor on hub side. Setscrew must be converted to Allen-head screw and then tightened through the blades, using "T" Allen wrench. (You may have to notch blade above setscrew to provide access for "T" Allen wrench.)

Part Number	Bore Size	Rotation	Center Disc	Max RPM	Dimension (In)					
					D	W	X	U	Z	H
01333401	1/2"	CW	Convex	1750	9-1/2	4-1/2	7-11/16	1-1/4	1-25/32	43
01333501	1/2"	CW	Convex	1750	9-1/2	6	7-11/16	1-1/4	1-25/32	43
01333602	1/2"	CW	Convex	1750	9-1/2	7-1/8	7-11/16	1-1/4	1-25/32	43
01333603	1/2"	CCW	Convex	1750	9-1/2	7-1/8	7-11/16	1-1/4	1-25/32	43
01333701	1/2"	CW	Convex	1750	9-1/2	8	7-11/16	1-1/4	1-25/32	43
01333703	1/2"	CCW	Convex	1750	9-1/2	8	7-11/16	1-1/4	1-25/32	43
01333201	1/2"	CW	Concave	1750	9-1/2	9-1/2	7-11/16	1-1/4	7/32	43
01333203	1/2"	CCW	Concave	1750	9-1/2	9-1/2	7-11/16	1-1/4	7/32	43
01332701	1/2"	CW	Convex	1750	11-1/8	4-1/2	8-7/8	1-1/4	1-15/16	48
01332601	1/2"	CW	Convex	1750	11-1/8	6	8-7/8	1-1/4	1-15/16	48
01332602	1/2"	CCW	Convex	1750	11-1/8	6	8-7/8	1-1/4	1-15/16	48
01332614	5/8"	CW	Convex	1750	11-1/8	6	8-7/8	1-1/4	1-15/16	48
01332501	1/2"	CW	Convex	1750	11-1/8	7-1/8	8-7/8	1-1/4	1-15/16	48
02710204	1/2"	CCW	Convex	1750	11-1/8	7-1/8	8-7/8	1-1/4	1-15/16	48
01332401	1/2"	CW	Convex	1750	11-1/8	8	8-7/8	1-1/4	1-15/16	48
01332402	1/2"	CCW	Convex	1750	11-1/8	8	8-7/8	1-1/4	1-15/16	48
01331701	1/2"	CW	Concave	1750	11-1/8	9-1/2	8-7/8	1-1/4	1/16	48
01331704	1/2"	CCW	Concave	1750	11-1/8	9-1/2	8-7/8	1-1/4	1/16	48
01332301	1/2"	CW	Convex	1750	11-1/8	9-1/2	8-7/8	1-1/4	1/16	48
01331602	1/2"	CW	Concave	1750	11-1/8	10-5/8	8-7/8	1-1/4	1/16	48
01332203	1/2"	CW	Convex	1750	11-1/8	10-5/8	8-7/8	1-1/4	1/16	48

BLOWER WHEELS

Double Inlet Blower Wheels

Direct Drive Wheels (9" - 11" Diameter)

Lau Universal Replacement "DD" Preslok Wheels For Direct Drive Blowers

Part Number	Bore Size	Rotation	Center Disc	Max RPM	Dimension (In)					
					D	W	X	U	Z	H
01331606	1/2"	CCW	Concave	1750	11-1/8	10-5/8	8-7/8	1-1/4	1/16	48
02694003	1/2"	CW	Convex	1550	12-1/4	6	10	1-1/4		53
02694005	1/2"	CW	Convex	1550	12-1/4	7-1/8	10	1-1/4		53
02694007	1/2"	CW	Convex	1550	12-1/4	8	10	1-1/4		53
02694107	1/2"	CW	Concave	1550	12-1/4	8	10	1-1/4		53
02694008	1/2"	CCW	Convex	1550	12-1/4	8	10	1-1/4		53
02694009	1/2"	CW	Convex	1550	12-1/4	9-1/2	10	1-1/4		53
02694010	1/2"	CCW	Convex	1550	12-1/4	9-1/2	10	1-1/4		53
02694111	1/2"	CW	Concave	1550	12-1/4	10-5/8	10	1-1/4		53
02694112	1/2"	CCW	Concave	1550	12-1/4	10-5/8	10	1-1/4		53
01369325	1/2"	CW	Convex	1200	13-3/16	9-1/2	10-5/16	1-1/4	2	43
01369315	5/8"	CW	Convex	1200	13-3/16	9-1/2	10-5/16	1-1/4	2	43
01556507	1/2"	CW	Concave	1200	13-3/16	12-5/8	10-5/16	1-1/4	1/16	43
01556504	5/8"	CW	Concave	1200	13-3/16	12-5/8	10-5/16	1-1/4	1/16	43

Notes: Blower Wheels Sorted By Diameter Size

BLOWER WHEELS

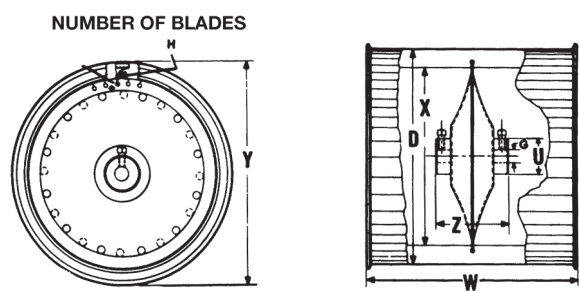
Double Inlet Blower Wheels

Belt Drive - A Series (9" - 20" Diameters)



Features:

- Galvanized, Universal Replacement Preslok wheels with two hubs for CW or CCW rotation
- Highest quality blower wheel available for heating and air conditioning use
- Each blade is mechanically attached to the center disc by four steel fingers pressed through the hole in the blade for positive locking action
- End rings are of deep section and center disc is airflow shaped with increased hub spread. Highest maximum speed in the Lau wheel line
- **Maximum Operating Temperature - 200°F**



- These wheels are a special order with 6-8 weeks lead time required and CANNOT ship by UPS.
- * 1-3/16" and above diameter Clamplok hubs include tapped holes at 90° to keyway for accepting 2nd SS (supplied by installer).

Part Number	G (Bore)	Set screws	Key Way	Dimension (In)							Max Wheel Cage RPM
				Y	W	D	X	U	Z	H	
00866612	3/4"	1	.19 x .09	9-1/2	6	9-1/2	7-11/16	1-1/4	2.94	43	4000
00862112	3/4"	1	.19 x .09	9-1/2	7-1/8	9-1/2	7-11/16	1-1/4	2.94	43	3300
00851912	3/4"	1	.19 x .09	9-1/2	9-1/2	9-1/2	7-11/16	1-1/4	2.94	43	2400
00851916	1"	1	.25 x 12	9 1/2	9-1/2	9-1/2	7-11/16	1-3/4	2.875	43	2400
01223712	3/4"	1	.19 x .09	10-5/8	4-1/2	10-5/8	8-7/8	1-1/4	3.28	48	3900
00836412	3/4"	1	.19 x .09	10-5/8	6	10-5/8	8-7/8	1-1/4	3.28	48	3900
00836312	3/4"	1	.19 x .09	10-5/8	7-1/8	10-5/8	8-7/8	1-1/4	3.28	48	3100
00836112	3/4"	1	.19 x .09	10-5/8	8	10-5/8	8-7/8	1-1/4	3.28	48	3000
00836212	3/4"	1	.19 x .09	10-5/8	9-1/2	10-5/8	8-7/8	1-1/4	3.28	48	2300
00836012	3/4"	1	.19 x .09	10-5/8	10-5/8	10-5/8	8-7/8	1-1/4	3.28	48	2100
00836010	5/8"	1	.19 x .09	10-5/8	10-5/8	10-5/8	8-7/8	1-1/4	3.28	48	2100
00836016	1"	1	.25 x 12	10-5/8	10-5/8	10-5/8	8-7/8	1-3/4	3.25	48	2100
00897116	1"	1	.25 x 12	13-3/16	6	12-5/8	10-5/16	1-3/4	3.5	43	3800
02757515	3/4"	1	.19 x .09	13-3/16	9-1/2	12-5/8	10-5/8	1-3/4	3.25	48	2100
00850716	1"	1	.25 x 12	13-3/16	9-1/2	12-5/8	10-5/16	1-3/4	3.5	43	2500
00850758	1-3/16"	1	.25 x 12	13-3/16	9-1/2	12-5/8	10-5/16	1-3/4	3.5	43	2500
00850723	1-7/16"	2	.38 x .19	13-3/16	9-1/2	12-5/8	10-5/16	2-1/2	3.88	43	2500
00986716	1"	1	.25 x 12	13-3/16	11-1/8	12-5/8	10-5/16	1-3/4	3.5	43	2000
00840310	5/8"	1	.19 x .09	13-3/16	12-5/8	12-5/8	10-5/16	1-1/4	3.375	43	1800
00840301	3/4"	1	.19 x .09	13-3/16	12-5/8	12-5/8	10-5/16	1-1/4	3.375	43	1800
00840316	1"	1	.25 x 12	13-3/16	12-5/8	12-5/8	10-5/16	1-3/4	3.5	43	1800
00840393	1-3/16"	1	.25 x 12	13-3/16	12-5/8	12-5/8	10-5/16	2-1/2	3.88	43	1800
00840379	1-7/16"	2	.38 x .19	13-3/16	12-5/8	12-5/8	10-5/16	2-1/2	3.88	43	1800
00874716	1"	1	.25 x 12	13-3/16	15	12-5/8	10-5/16	1-3/4	3.5	43	1100
00954816	1"	1	.25 x 12	15-1/2	9-1/2	15	12-5/8	1-3/4	4.12	51	2500
00954870	1-3/16"	2	.25 x 12	15-1/2	9-1/2	15	12-5/8	2-1/2	4.5	51	2500

BLOWER WHEELS

Double Inlet Blower Wheels

Belt Drive - A Series (9" - 20" Diameters)

Part Number	G (Bore)	Set screws	Key Way	Dimension (In)							Max Wheel Cage RPM
				Y	W	D	X	U	Z	H	
00954823	1-7/16"	2	.38 x .19	15-1/2	9-1/2	15	12-5/8	2-1/2	4.5	51	2500
00841816	1"	1	.25 x 12	15-1/2	11-1/8	15	12-5/8	1-3/4	4.125	51	2100
00841877	1-3/16"	1	.25 x 12	15-1/2	11-1/8	15	12-5/8	1-3/4	4.125	51	2100
00841880	1-7/16"	2	.38 x .19	15-1/2	11-1/8	15	12-5/8	2-1/2	4.5	51	2100
00874616	1"	1	.25 x 12	15-1/2	12-5/8	15	12-5/8	1-3/4	4.125	51	1900
00827616	1"	1	.25 x 12	15-1/2	15	15	12-5/8	1-3/4	4.125	51	1550
01767137	1-3/16"	1	.25 x 12	15-1/2	15	15	12-5/8	1-3/4	4.125	51	1550
00827672	1-7/16"	2	.38 x .19	15-1/2	15	15	12-5/8	2-1/2	4.5	51	1550
00865916	1"	1	.25 x 12	18-5/8	13-1/2	18-1/8	14-11/16	1-3/4	5	48	1500
00865960	1-7/16"	1	.25 x 12	18-5/8	13-1/2	18-1/8	14-11/16	1-3/4	5	48	1500
00865816	1"	1	.25 x 12	18-5/8	18	18-1/8	14-11/16	1-3/4	5	48	1200
00865874	1-3/16"	1	.25 x 12	18-5/8	18	18-1/8	14-11/16	1-3/4	5	48	1200
00865887	1-7/16"	2	.38 x .19	18-5/8	18	18-1/8	14-11/16	2-1/2	5.375	48	1200

Notes: Blower Wheels Sorted By Diameter Size

Reducing Bushings



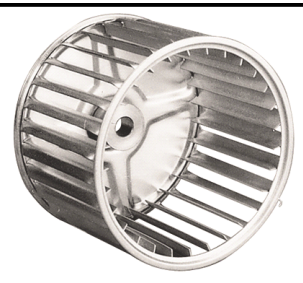
- Used to reduce wheel bore sizes. A 1" bore wheel can be reduced to a 3/4" bore by using bushings with a 1" O.D. and a 3/4" I.D.
- **Important:** Order the quantity of bushings to match number of hubs in the wheel.
- **Service Tip:** Use reducer bushings (one for each hub) if a smaller bore size is required.

Part Number	Description
027502-03	Bushing, 1" O.D. x 3/4" I.D. x 1 1/8" long

BLOWER WHEELS

Single Inlet Blower Wheels

Galvanized - 3 3/16" - 10" Diameter



Features:

- Galvanized steel construction (for plastic wheels, see Page 29)
- Replaces several OEM designs, as shown, and more
- Many can be bored to fit odd/larger sizes up to 5/8"
- Add bushings for smaller bore sizes (see Page 28)
- Allen head setscrews for easy reversibility
- Can combine two to replace double inlet wheels (see Technical Tips at the bottom, right of this page)
- **Maximum Operating Temperature - 200°F**

Typical Applications

- Fan Coil Units
- Room Air Conditioners
- Draft Inducers
- Power Burners
- Heaters
- Packaged Terminal vAir Conditioners (PTAC) systems

Part Number	Max RPM	Diameter	Width	Rotation	Bore
02895766	4500	3-13/16"	1-1/32"	CW	1/4"
02895767	4500	3-13/16"	1-1/32"	CCW	1/4"
02895768	4500	3-13/16"	1-7/8"	CW	5/16"
02895769	4500	3-13/16"	1-7/8"	CCW	5/16"
02895770	4500	3-13/16"	2-1/2"	CW	5/16"
02895771	4500	3-13/16"	2-1/2"	CCW	5/16"
02895772	4500	3-27/32"	1-1/4"	CW	1/4"
02895773	4500	3-27/32"	1-1/4"	CCW	1/4"
02895774	4500	4"	1-1/2"	CCW	5/16"
02895775	4500	4"	2-1/2"	CCW	1/4"
02895776	4500	4-1/4"	2"	CCW	1/4"
02895721	4500	4-1/4"	2-1/2"	CW	3/8"
02895722	4500	4-1/4"	2-1/2"	CCW	3/8"
02895777	4500	4-1/4"	2-15/16"	CCW	1/4"
02895725	3450	4-3/4"	2-1/16"	CW	1/2"
02895726	3450	4-3/4"	2-1/16"	CCW	1/2"
02895727	3450	4-3/4"	2-1/2"	CW	1/2"
02895728	3450	4-3/4"	2-1/2"	CCW	1/2"
02895729	3450	4-3/4"	2-15/16"	CW	1/2"
02895730	3450	4-3/4"	2-15/16"	CCW	1/2"
02895731	3450	4-3/4"	3-7/16"	CW	1/2"
02895732	3450	4-3/4"	3-7/16"	CCW	1/2"
02895733	3450	5-1/4"	2-1/16"	CW	1/2"
02895734	3450	5-1/4"	2-1/16"	CCW	1/2"
02895735	3450	5-1/4"	2-1/2"	CW	1/2"
02895736	3450	5-1/4"	2-1/2"	CCW	1/2"
02895737	3450	5-1/4"	2-15/16"	CW	1/2"

02895738	3450	5-1/4"	2-15/16"	CCW	1/2"
02895739	3450	5-1/4"	3-7/16"	CW	1/2"
02895740	3450	5-1/4"	3-7/16"	CCW	1/2"
02895778	3450	5-5/8"	1-9/16"	CCW	15/16"
02895753	3450	5-3/4"	2-1/16"	CW	1/2"
02895754	3450	5-3/4"	2-1/16"	CCW	1/2"
02895755	3450	5-3/4"	2-1/2"	CW	1/2"
02895756	3450	5-3/4"	2-1/2"	CCW	1/2"
02895757	3450	5-3/4"	2-15/16"	CW	1/2"
02895758	3450	5-3/4"	2-15/16"	CCW	1/2"
02895759	3450	5-3/4"	3-7/16"	CW	1/2"
02895760	3450	5-3/4"	3-7/16"	CCW	1/2"
02895761	3450	5-3/4"	3-13/16"	CW	1/2"
02895762	3450	5-3/4"	3-13/16"	CCW	1/2"
02895779	3450	5-3/4"	4"	CW	1/2"
02895780	3450	5-3/4"	4"	CCW	1/2"
02895781	3450	6-1/4"	4"	CW	1/2"
02895782	3450	6-1/4"	4"	CCW	1/2"
02895741	3450	6-5/16"	2-1/16"	CW	1/2"
02895742	3450	6-5/16"	2-1/16"	CCW	1/2"
02895743	3450	6-5/16"	2-1/2"	CW	1/2"
02895744	3450	6-5/16"	2-1/2"	CCW	1/2"
02895745	3450	6-5/16"	15/16"	CW	1/2"
02895746	3450	6-5/16"	15/16"	CCW	1/2"
02895747	3450	6-5/16"	3-7/16"	CW	1/2"
02895748	3450	6-5/16"	3-7/16"	CCW	1/2"
02895749	3450	6-5/16"	13/16"	CW	1/2"
02895750	3450	6-5/16"	13/16"	CCW	1/2"
02895751	3450	6-1/4"	4-1/4"	CW	1/2"
02895752	3450	6-1/4"	4-1/4"	CCW	1/2"
02049153	2500	7-3/32"	3-5/32"	CW	1/2"
02049154	2500	7-3/32"	3-5/32"	CCW	1/2"
02049155	2500	7-3/32"	4"	CW	1/2"
02049156	2500	7-3/32"	4"	CCW	1/2"
02049157	2500	7-1/2"	2"	CW	1/2"
02049158	2500	7-1/2"	2"	CCW	1/2"
02049115	2500	7-7/16"	2-1/4"	CW	1/2"
02049142	2500	7-7/16"	2-1/4"	CCW	1/2"
02049159	2500	7-1/2"	2-1/2"	CW	1/2"
02049160	2500	7-1/2"	2-1/2"	CCW	1/2"
02049161	2000	7-1/2"	2-3/4"	CW	1/2"
02049162	2000	7-1/2"	2-3/4"	CCW	1/2"
02049163	1800	7-1/2"	3-5/32"	CW	1/2"
02049164	1800	7-1/2"	3-5/32"	CCW	1/2"
02049124	1650	7-7/16"	2-3/4"	CW	1/2"
02049125	1650	7-7/16"	2-3/4"	CCW	1/2"
02049137	1650	7-7/16"	3-1/4"	CW	1/2"
02049120	1650	7-7/16"	3-1/4"	CCW	1/2"
02049165	1650	7-1/2"	4"	CW	1/2"
02049166	1650	7-1/2"	4"	CCW	1/2"
02048763	1650	8"	3-3/16"	CW	1/2"
02048764	1650	8"	3-3/16"	CCW	1/2"
02048765	1650	8"	4"	CW	1/2"
02048766	1650	8"	4"	CCW	1/2"
02048767	1650	8-1/2"	3-3/16"	CW	1/2"
02048768	1650	8-1/2"	3-3/16"	CCW	1/2"
02048705	1650	8-1/2"	3-3/4"	CW	1/2"

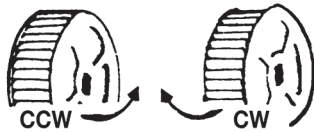
BLOWER WHEELS

Single Inlet Blower Wheels

Galvanized - 3 3/16" - 10" Diameter

Part Number	Max RPM	Diameter	Width	Rotation	Bore
02048706	1650	8-1/2"	3-3/4"	CCW	1/2"
02048769	1650	8-1/2"	4"	CW	1/2"
02048770	1650	8-1/2"	4"	CCW	1/2"
02048771	1400	8-1/2"	4-1/4"	CW	1/2"
02048772	1750	8-1/2"	4-1/4"	CCW	1/2"
02048738	1750	8-1/2"	4-1/4"	CW	1/2"
02048739	1750	8-1/2"	4-1/4"	CCW	1/2"
02055338	1750	9"	5"	CW	1/2"
02055339	1750	9"	5"	CCW	1/2"
02055301	1750	9-1/8"	3-3/4"	CW	1/2"
02055303	1750	9-1/8"	3-3/4"	CCW	1/2"
02055302	1750	9-1/8"	4-1/4"	CW	1/2"
02055304	1750	9-1/8"	4-1/4"	CCW	1/2"
01351110	1750	9-15/16"	6"	CCW	5/8"
02055340	1750	10"	4"	CW	1/2"
02055341	1750	10"	4"	CCW	1/2"

Note: Blower Wheels Sorted By Diameter Size



ROTATION

Single inlet wheels from closed end (backplate)

TECHNICAL TIP: Shaft adapters shown are used when a smaller bore diameter is required but not readily available. Use only one bushing for each hub.

Steel Shaft Adapter Bushings*

Zinc Finish



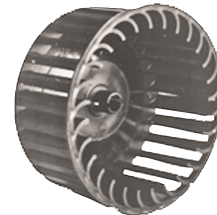
For use with single inlet wheels

Part Number	Diameter		Length
	OD	ID	
029421-01	5/16"	1/4"	1"
029421-02	3/8"	1/4"	1-1/16"
029421-03	3/8"	5/16"	1-1/16"
029421-04	1/2"	5/16"	1-1/16"
029421-05	1/2"	3/8"	1-1/16"
029421-06	5/8"	1/2"	1-15/16"
029421-07	3/4"	5/8"	1-1/4"

* Must be ordered in multiples of 6.

TECHNICAL TIP: Shaft adapters shown are used when a smaller bore diameter is required but not readily available. Use only one bushing for each hub.

Plastic - 5 3/8" - 8 3/8" Diameter



Features:

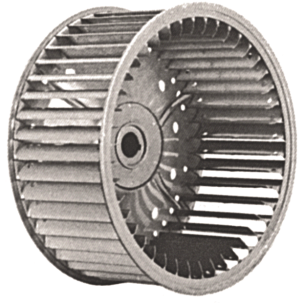
- Steel hub clamps
- Molded from high strength polymer material
- Superior acoustic characteristics
- **Maximum Operating Temperature - 150°F**

Part Number	Max. RPM	Diameter	Width	Rotation	Bore
05379408	2500	7-1/2"	2-29/32"	CW	1/2"
05379413	1650	8-3/8"	3-5/32"	CCW	1/2"

BLOWER WHEELS

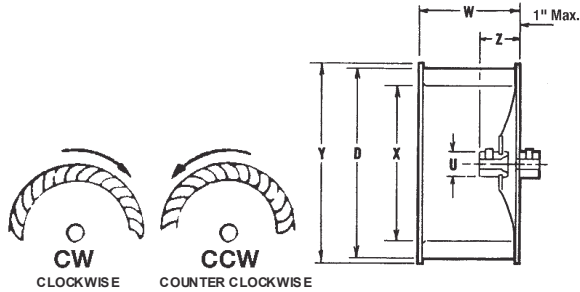
Galvanized Single Inlet

For Lau FGP & BD Series Blowers



Features:

- All steel galvanized construction
- Forward curved fan blades for quiet, efficient performance
- All wheels are dynamically balanced
- 10" - 18" diameter wheels are spun assembled construction
- 22" - 30" diameter wheels are precision-riveted construction
- **Maximum Operating Temperature (- 200°F)**



Rotation determined by viewing closed end of wheel (backplate)

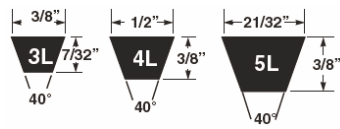
Part Number	Wheel Model	Bore Size	Rotation	Max Wheel Cage RPM1	Dimension(In)						No. Hubs	Hub Loc.	No Setscrews Per Hub	Key Way
					Y	W	D	X	U	Z				
012398-57	SI 10-6A	3/4"	CW	1650	11-1/8	6	10-5/8	8-7/8	1-3/4	2-29/32	1	In	2	None
012398-58	SI 10-6A	3/4"	CCW	1650	11-1/8	6	10-5/8	8-7/8	1-3/4	2-29/32	1	In	2	None
014747-08	SI 12-6A	3/4"	CW	1350	13-3/16	6	12-5/8	10-5/16	1-3/4	2-29/32	1	In	2	None
014747-09	SI 12-6A	3/4"	CCW	1350	13-3/16	6	12-5/8	10-5/16	1-3/4	2-29/32	1	In	2	None
014528-01	SI 15-6A	1"	CW	1200	15-1/2	6	15	12-5/8	1-3/4	3-7/32	1	In	2	None
014528-03	SI 15-6A	1"	CCW	1200	15-1/2	6	15	12-5/8	1-3/4	3-7/32	1	In	2	None
020740-01	SI 15-9A	1"	CW	1050	15-1/2	9-1/2	15	12-5/8	1-3/4	3-7/32	2	In-Out	2-0	None
020740-04	SI 15-9A	1"	CCW	1050	15-1/2	9-1/2	15	12-5/8	1-3/4	3-7/32	2	In-Out	2-0	None
020202-03	SI 18-9A	1"	CW	1050	18-5/8	9	18-1/8	14-11/16	2-3/4	2-25/32	2	In-Out	1-0	1/4 x 1/8
020202-04	SI 18-9A	1"	CCW	1050	18-5/8	9	18-1/8	14-11/16	2-3/4	2-25/32	2	In-Out	1-0	1/4 x 1/8
026186-01	SI 18-13A	1"	CW	960	18-5/8	13-1/2	18-1/8	14-11/16	2-3/4	3-5/16	2	In-Out	1-1	1/4 x 1/8
026186-02	SI 18-13A	1"	CCW	960	18-5/8	13-1/2	18-1/8	14-11/16	2-3/4	3-5/16	2	In-Out	1-1	1/4 x 1/8

* Braced + Must ship via common carrier. A Special Order Only – allow 6 to 8 weeks lead time.

Note: Blower Wheels Sorted by diameter Size

TOTALINE® FAN BELTS

Fractional HP V-Belts



TOTALINE FHP V-Belts are built for maximum tension control, drive uniformity and long life, with minimum heat build-up and stretching on low horsepower electric motors and gasoline engines. They are designed for high speed operation and drive center distances as short as pulleys will allow.

3L Sizes

Part Number	Outside Length (In)
P465-3L150	15"
P465-3L160	16"
P465-3L170	17"
P465-3L180	18"
P465-3L190	19"
P465-3L200	20"
P465-3L210	21"
P465-3L220	22"
P465-3L230	23"
P465-3L240	24"
P465-3L250	25"
P465-3L260	26"
P465-3L270	27"
P465-3L280	28"
P465-3L290	29"
P465-3L300	30"
P465-3L310	31"
P465-3L320	32"
P465-3L330	33"
P465-3L340	34"
P465-3L350	35"
P465-3L360	36"
P465-3L370	37"
P465-3L380	38"
P465-3L390	39"
P465-3L400	40"
P465-3L410	41"
P465-3L420	42"
P465-3L430	43"
P465-3L440	44"
P465-3L450	45"
P465-3L460	46"
P465-3L470	47"
P465-3L480	48"

P465-3L490	49"
P465-3L500	50"
P465-3L510	51"
P465-3L520	52"
P465-3L530	53"
P465-3L540	54"
P465-3L550	55"
P465-3L560	56"
P465-3L570	57"
P465-3L580	58"
P465-3L590	59"
P465-3L600	60"
P465-3L610	61"
P465-3L620	62"
P465-3L630	63"

4L Sizes

Part Number	Outside Length (In)
P465-4L160	16"
P465-4L170	17"
P465-4L180	18"
P465-4L190	19"
P465-4L200	20"
P465-4L210	21"
P465-4L220	22"
P465-4L230	23"
P465-4L240	24"
P465-4L250	25"
P465-4L260	26"
P465-4L270	27"
P465-4L280	28"
P465-4L290	29"
P465-4L300	30"
P465-4L310	31"
P465-4L320	32"
P465-4L330	33"
P465-4L340	34"
P465-4L350	35"
P465-4L360	36"
P465-4L370	37"
P465-4L380	38"
P465-4L390	39"
P465-4L400	40"
P465-4L410	41"
P465-4L420	42"
P465-4L430	43"
P465-4L440	44"
P465-4L450	45"
P465-4L460	46"
P465-4L470	47"
P465-4L480	48"
P465-4L490	49"
P465-4L500	50"
P465-4L510	51"
P465-4L520	52"
P465-4L530	53"
P465-4L540	54"
P465-4L550	55"
P465-4L560	56"
P465-4L570	57"
P465-4L580	58"
P465-4L590	59"
P465-4L600	60"
P465-4L610	61"
P465-4L620	62"
P465-4L630	63"
P465-4L640	64"
P465-4L650	65"
P465-4L660	66"
P465-4L670	67"
P465-4L680	68"

P465-4L690	69"
P465-4L700	70"
P465-4L710	71"
P465-4L720	72"
P465-4L730	73"
P465-4L740	74"
P465-4L750	75"
P465-4L760	76"
P465-4L770	77"
P465-4L780	78"
P465-4L790	79"
P465-4L800	80"
P465-4L810	81"
P465-4L820	82"
P465-4L830	83"
P465-4L840	84"
P465-4L850	85"
P465-4L860*	86"
P465-4L870*	87"
P465-4L880*	88"
P465-4L890*	89"
P465-4L900*	90"
P465-4L910*	91"
P465-4L920*	92"
P465-4L930*	93"
P465-4L940*	94"
P465-4L950*	95"
P465-4L960*	96"
P465-4L970*	97"
P465-4L980*	98"
P465-4L990*	99"
P465-4L1000*	100"
P465-5L230	23"
P465-5L240	24"
P465-5L250	25"
P465-5L260	26"
P465-5L270	27"
P465-5L280	28"
P465-5L290	29"
P465-5L300	30"
P465-5L310	31"
P465-5L320	32"
P465-5L330	33"
P465-5L340	34"
P465-5L350	35"

*All belts are smooth

TOTALINE® FAN BELTS

Fractional HP V-Belts

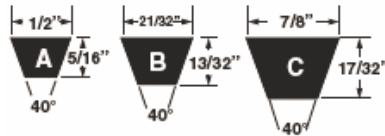
5L Sizes

Part Number	Out Side Length (In)
P465-5L360	36"
P465-5L370	37"
P465-5L380	38"
P465-5L390	39"
P465-5L400	40"
P465-5L410	41"
P465-5L420	42"
P465-5L430	43"
P465-5L440	44"
P465-5L450	45"
P465-5L460	46"
P465-5L470	47"
P465-5L480	48"
P465-5L490	49"
P465-5L500	50"
P465-5L510	51"
P465-5L520	52"
P465-5L530	53"
P465-5L540	54"
P465-5L550	55"
P465-5L560	56"
P465-5L570	57"
P465-5L580	58"
P465-5L590	59"
P465-5L600	60"
P465-5L610	61"
P465-5L620	62"
P465-5L630	63"
P465-5L640	64"
P465-5L650	65"
P465-5L660	66"
P465-5L670	67"
P465-5L680	68"
P465-5L690	69"
P465-5L700	70"
P465-5L710	71"
P465-5L720	72"
P465-5L730	73"
P465-5L740	74"
P465-5L750	75"
P465-5L760	76"
P465-5L770	77"
P465-5L780	78"
P465-5L790	79"
P465-5L800	80"
P465-5L810	81"
P465-5L820	82"
P465-5L830	83"

P465-5L840	84"
P465-5L850	85"
P465-5L860	86"
P465-5L870	87"
P465-5L880	88"
P465-5L890	89"
P465-5L900	90"
P465-5L910	91"
P465-5L920	92"
P465-5L930	93"
P465-5L940	94"
P465-5L950	95"
P465-5L960	96"
P465-5L970	97"
P465-5L980	98"
P465-5L990	99"
P465-5L1000	100"

TOTALINE® FAN BELTS

Multiple V-Belts



For multiple drive, high speed and high torque operation on light or heavy industrial or automotive machinery, TOTALINE Multiple V-Belts boast exceptional length, stability, and drive uniformity. Rigorous testing has shown these premium quality belts to have twice the service life or significantly greater transmission capacity than other multiple V-Belts.

A Sizes

Part Number	Outside Length (In)
P463-A20	22"
P463-A21	23"
P463-A22	24"
P463-A23	25"
P463-A24	26"
P463-A25	27"
P463-A26	28"
P463-A27	29"
P463-A28	30"
P463-A29	31"
P463-A30	32"
P463-A31	33"
P463-A32	34"
P463-A33	35"
P463-A34	36"
P463-A35	37"
P463-A36	38"
P463-A37	39"
P463-A38	40"
P463-A39	41"
P463-A40	42"
P463-A41	43"
P463-A42	44"
P463-A43	45"
P463-A44	46"
P463-A45	47"
P463-A46	48"
P463-A47	49"
P463-A48	50"
P463-A49	51"
P463-A50	52"
P463-A51	53"
P463-A52	54"
P463-A53	55"
P463-A54	56"
P463-A55	57"

P463-A56	58"
P463-A57	59"
P463-A58	60"
P463-A59	61"
P463-A60	62"
P463-A61	63"
P463-A62	64"
P463-A63	65"
P463-A64	66"
P463-A65	67"
P463-A66	68"
P463-A67	69"
P463-A68	70"
P463-A69	71"
P463-A70	72"
P463-A71	73"
P463-A72	74"
P463-A73	75"
P463-A74	76"
P463-A75	77"
P463-A76	78"
P463-A77	79"
P463-A78	80"
P463-A79	81"
P463-A80	82"
P463-A81	83"
P463-A82	84"
P463-A83	85"
P463-A84	86"
P463-A85	87"
P463-A86	88"
P463-A87	89"
P463-A88	90"
P463-A89	91"
P463-A90	92"
P463-A91	93"
P463-A92	94"
P463-A93	95"
P463-A94	96"
P463-A95	97"
P463-A96	98"
P463-A97	99"
P463-A98	100"
P463-A102	104"
P463-A105	107"
P463-A110	112"
P463-A116	118"
P463-A112	114"
P463-A120	122"
P463-A128	130"
P463-A136	138"
P463-A144	146"
P463-A158	160"
P463-A173	175"
P463-A180	182"
P463-AX20	22"
P463-AX22	24"

P463-AX23	25"
P463-AX25	27"
P463-AX26	28"
P463-AX27	29"
P463-AX28	30"
P463-AX29	31"
P463-AX30	32"
P463-AX31	33"
P463-AX32	34"
P463-AX33	35"
P463-AX34	36"
P463-AX35	37"
P463-AX36	38"
P463-AX37	39"
P463-AX38	40"
P463-AX39	41"
P463-AX40	42"
P463-AX41	43"
P463-AX42	44"
P463-AX43	45"
P463-AX44	46"
P463-AX45	47"
P463-AX46	48"
P463-AX47	49"
P463-AX48	50"
P463-AX49	51"
P463-AX50	52"
P463-AX51	53"
P463-AX52	54"
P463-AX53	55"
P463-AX54	56"
P463-AX55	57"
P463-AX58	58"
P463-AX60	62"
P463-AX62	64"
P463-AX63	65"
P463-AX64	66"
P463-AX66	68"
P463-AX67	69"
P463-AX70	72"
P463-AX71	73"
P463-AX78	80"
P463-AX80	82"
P463-AX90	92"
P463-AX112	114"

TOTALINE® FAN BELTS

Multiple V-Belts

B Sizes

Part Number	Outside Length (In)
P463-B25	28"
P463-B26	29"
P463-B27	30"
P463-B28	31"
P463-B29	32"
P463-B30	33"
P463-B31	34"
P463-B32	35"
P463-B33	36"
P463-B34	37"
P463-B35	38"
P463-B36	39"
P463-B37	40"
P463-B38	41"
P463-B39	42"
P463-B40	43"
P463-B41	44"
P463-B42	45"
P463-B43	46"
P463-B44	47"
P463-B45	48"
P463-B46	49"
P463-B47	50"
P463-B48	51"
P463-B49	52"
P463-B50	53"
P463-B51	54"
P463-B52	55"
P463-B53	56"
P463-B54	57"
P463-B55	58"
P463-B56	59"
P463-B57	60"
P463-B58	61"
P463-B59	62"
P463-B60	63"
P463-B61	64"
P463-B62	65"
P463-B63	66"
P463-B64	67"
P463-B65	68"
P463-B66	69"
P463-B67	70"
P463-B68	71"
P463-B69	72"
P463-B70	73"
P463-B71	74"

P463-B72	75"
P463-B73	76"
P463-B74	77"
P463-B75	78"
P463-B76	79"
P463-B77	80"
P463-B78	81"
P463-B79	82"
P463-B80	83"
P463-B81	84"
P463-B82	85"
P463-B83	86"
P463-B84	87"
P463-B85	88"
P463-B86	89"
P463-B87	90"
P463-B88	91"
P463-B89	92"
P463-B90	93"
P463-B91	94"
P463-B92	95"
P463-B93	96"
P463-B94	97"
P463-B95	98"
P463-B96	99"
P463-B97	100"
P463-B100	103"
P463-B101	104"
P463-B103	105"
P463-B104	107"
P463-B105	108"
P463-B108	111"
P463-B111	114"
P463-B112	115"
P463-B115	118"
P463-B116	119"
P463-B120	123"
P463-B123	126"
P463-B124	127"
P463-B126	129"
P463-B129	132"
P463-B128	131"
P463-B133	136"
P463-B134	137"
P463-B136	139"
P463-B140	143"
P463-B142	145"
P463-B144	147"
P463-B148	151"
P463-B153	156"
P463-B154	157"
P463-B158	161"
P463-B162	165"
P463-B173	176"
P463-B180	183"
P463-B195	198"
P463-B210	213"

P463-B225	228"
P463-B240	243"
P463-B255	258"
P463-B270	273"
P463-B285	288"
P463-B300	303"
P463-B315	318"
P463-BX27	30"
P463-BX28	31"
P463-BX29	32"
P463-BX30	33"
P463-BX31	34"
P463-BX32	35"
P463-BX34	37"
P463-BX35	38"
P463-BX37	40"
P463-BX38	41"
P463-BX39	42"
P463-BX40	43"
P463-BX41	44"
P463-BX42	45"
P463-BX43	46"
P463-BX44	47"
P463-BX45	48"
P463-BX46	49"
P463-BX47	50"
P463-BX48	51"
P463-BX49	52"
P463-BX50	53"
P463-BX51	54"
P463-BX52	55"
P463-BX53	56"
P463-BX54	57"
P463-BX55	58"
P463-BX56	59"
P463-BX57	60"
P463-BX58	61"
P463-BX59	62"
P463-BX60	63"
P463-BX61	64"
P463-BX62	65"
P463-BX63	66"
P463-BX64	67"
P463-BX65	68"
P463-BX66	69"
P463-BX67	70"
P463-BX68	71"
P463-BX69	72"
P463-BX71	74"
P463-BX72	75"
P463-BX73	76"
P463-BX75	78"
P463-BX76	79"
P463-BX77	80"
P463-BX78	81"
P463-BX80	83"
P463-BX81	84"

P463-BX82	85"
P463-BX83	86"
P463-BX85	88"
P463-BX86	89"
P463-BX88	91"
P463-BX90	93"
P463-BX93	96"
P463-BX95	98"
P463-BX97	100"
P463-BX99	102"
P463-BX100	103"
P463-BX103	106"
P463-BX105	108"
P463-BX106	109"
P463-BX108	111"
P463-BX112	115"
P463-BX116	119"
P463-BX124	127"
P463-BX126	129"
P463-BX128	131"
P463-BX133	136"
P463-BX136	139"
P463-BX144	147"

C Sizes

Part Number	Outside Length (In)
P463-C51	55"
P463-C60	64"
P463-C68	72"
P463-C75	79"
P463-C81	85"
P463-C85	89"
P463-C90	94"
P463-C96	100"
P463-C100	104"
P463-C105	109"
P463-C109	113"
P463-C112	116"
P463-C115	119"
P463-C120	124"
P463-C128	132"
P463-C136	140"
P463-C144	148"
P463-C150	154"
P463-C158	162"
P463-C162	166"
P463-C173	177"
P463-C180	184"
P463-C195	199"
P463-C210	214"
P463-C225	229"
P463-C240	244"
P463-C255	259"
P463-C270	274"
P463-C285	289"
P463-C300	304"
P463-C315	319"
P463-C330	334"
P463-C345	349"
P463-C360	364"
P463-C390	394"
P463-C420	424"
P463-C450	454"
P463-C480	484"
P463-CX162	166"

TOTALINE® FAN BELTS

Narrow V-Belts - Cogged

The unique design and superior quality of the TOTALINE Narrow V-Belt allow you to build or redesign drive systems using smaller pulleys, with shorter center distances (reducing system weight and space) and increased horsepower capacity exceeding RMA standards by 23.6% average). NOTE: The TOTALINE Narrow V-Belt in three section sizes is ideal for all applications covered by five section sizes of multiple V-belts. For multiple or single drives, the 3V replaces A, B, and C belts; the 5V replaces C and D belts; and the 8V replaces D and E belts.

3V Sizes

Part Number	Outside Length (In)
P464-3V215	22.63"
P464-3V250	25.63"
P464-3V265	27.63"
P464-3V280	28.63"
P464-3V300	30.63"
P464-3V315	32.63"
P464-3V335	34.63"
P464-3V355	36.63"
P464-3V375	38.63"
P464-3V400	40.63"
P464-3V425	43.13"
P464-3V450	45.63"
P464-3V475	48.13"
P464-3V500	50.63"
P464-3V530	53.63"
P464-3V560	56.63"
P464-3V600	60.63"
P464-3V630	63.63"
P464-3V670	67.63"
P464-3V710	71.63"
P464-3V750	75.63"
P464-3V800	80.63"
P464-3V850	85.63"
P464-3V900	90.63"
P464-3V950	95.63"
P464-3V1000	100.63"
P464-3V1060	106.63"
P464-3V1120	112.63"
P464-3V1180	118.63"

P464-3V1250	125.63"
P464-3V1320	132.63"
P464-3V1400	140.63"
P464-3VX215	21.5"
P464-3VX250	25"
P464-3VX265	26.5"
P464-3VX280	28"
P464-3VX300	30"
P464-3VX315	31.5"
P464-3VX335	33.5"
P464-3VX355	35.5"
P464-3VX375	37.5"
P464-3VX400	40"
P464-3VX425	42.5"
P464-3VX450	45"
P464-3VX475	47.5"
P464-3VX500	50"
P464-3VX530	53"
P464-3VX560	56"
P464-3VX600	60"
P464-3VX630	63"
P464-3VX670	67"
P464-3VX710	71"
P464-3VX750	75"
P464-3VX800	80"
P464-3VX850	85"
P464-3VX900	90"
P464-3VX950	95"
P464-3VX1000	100"
P464-3VX1060	106"
P464-3VX1120	112"
P464-3VX1180	118.35"
P464-3VX1250	125"
P464-3VX1320	132"
P464-3VX1400	140"

5V Sizes

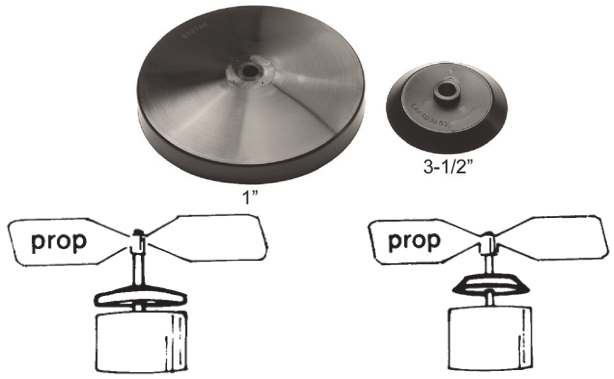
Part Number	Outside Length (In)
P464-5V500	50.75"
P464-5V530	53.75"
P464-5V560	56.75"
P464-5V600	60.75"
P464-5V630	63.75"
P464-5V670	67.75"
P464-5V710	71.75"
P464-5V750	75.75"
P464-5V800	80.75"
P464-5V850	85.75"
P464-5V900	90.75"
P464-5V950	95.75"
P464-5V1000	100.75"
P464-5V1060	106.75"
P464-5V1120	112.75"
P464-5V1180	118.75"
P464-5V1250	125.75"
P464-5V1320	132.75"
P464-5V1400	140.75"
P464-5V1500	150.75"
P464-5V1600	160.75"
P464-5V1700	170.75"
P464-5V1800	180.75"
P464-5V1900	190.75"
P464-5V2000	200.75"
P464-5V2120	212"
P464-5V2240	224"
P464-5V2360	236"
P464-5V2500	250"
P464-5V2650	265"
P464-5V2800	280"
P464-5V3000	300"
P464-5V3150	315"
P464-5V3350	335"
P464-5V3550	355"
P464-5VX450	45"
P464-5VX470	47"
P464-5VX490	49"
P464-5VX500	50"
P464-5VX510	51"
P464-5VX530	53"
P464-5VX540	54"
P464-5VX550	55"
P464-5VX560	56"
P464-5VX570	57"
P464-5VX580	58"
P464-5VX590	59"
P464-5VX600	60"
P464-5VX610	61"
P464-5VX630	63"
P464-5VX650	65"
P464-5VX660	66"
P464-5VX670	67"

P464-5VX680	68"
P464-5VX690	69"
P464-5VX710	71"
P464-5VX730	73"
P464-5VX740	74"
P464-5VX750	75"
P464-5VX780	78"
P464-5VX800	80"
P464-5VX830	83"
P464-5VX840	84"
P464-5VX850	85"
P464-5VX860	86"
P464-5VX880	88"
P464-5VX900	90"
P464-5VX930	93"
P464-5VX950	95"
P464-5VX960	96"
P464-5VX1000	100"
P464-5VX1030	103"
P464-5VX1060	106"
P464-5VX1080	108"
P464-5VX1120	112"
P464-5VX1150	115"
P464-5VX1180	118"
P464-5VX1230	123"
P464-5VX1250	125"
P464-5VX1320	132"
P464-5VX1400	140"
P464-5VX1500	150"
P464-5VX1600	160"
P464-5VX1700	170"
P464-5VX1800	180"
P464-5VX1900	190"
P464-5VX2000	200"
P464-BX64	65.8"

PARTS & ACCESSORIES

Propeller Accessories

Rainshield



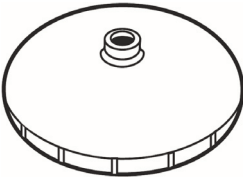
Interior cooling blades force air over motor. Use 7" diameter for open type motors. Position rainshield between propeller and motor. Use 3-1/2" diameter for closed motors.

An inexpensive way to reduce the potential of rain getting into the motor bearings on vertical shaft motor applications. Use primarily for vertical shaft motors on outdoor condensing units, but can also be used in any position to keep water from migrating along the shaft.

- Simple press fit on the 1/2" to 5/8" shafts
- 7" with interior cooling blades effectively reduces motor winding temperature and protects open motors
- 3-1/2" for closed motors to protect bearings
- Used as original equipment on many new air conditioners

Part Number	Single Size
60385303	3-1/2" x 1/2"
60379501	7" x 1/2"
60379502	7" x 5/8"

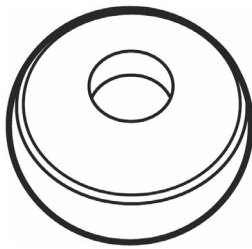
Finned Plastic



Finned plastic rainshield provides additional motor cooling by drawing air through motor. For use with vertically mounted condenser motors in shaft up position.

Part Number	Bore Size	Outside Diameter
P251-0056	1/2"	7-1/2"
P251-0057	5/8"	7-1/2"

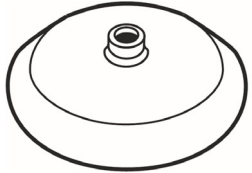
Plastic



Plastic rainshield for use with vertically mounted condenser motors in shaft up position.

Part Number	Bore Size	Outside Diameter
P251-0052	5/8"	7-3/10"

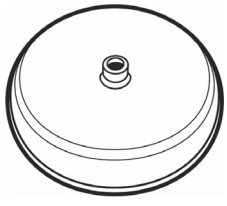
Plastic Slinger



Plastic slinger for use with vertically mounted condenser motors in shaft up position.

Part Number	Bore Size	Outside Diameter
P251-0058	1/2"	3-1/2"
P251-0059	5/8"	3-1/2"

Metal



Metal rainshield with rubber grommet to fit bearing hub protects motor windings only. Bearing slinger P251-0059 is also required for shaft bearing protection. Aluminum rainshield for use with vertically mounted condenser motor in shaft up position.

Part Number	Bore Size	Outside Diameter
P251-0051	1/2"	6-3/10"

Hub Pullers

05214101



Metal rainshield with rubber grommet to fit bearing hub protects motor windings only. Bearing slinger P251-0059 is also required for shaft bearing protection. Aluminum rainshield for use with vertically mounted condenser motor in shaft up position.

Part Number	Replacement Fingers (set of 4)	Main Center Shaft	Centering Sleeve
05214101	05221101	05221201	05221301

PARTS & ACCESSORIES

Hub Pullers

05380401



GENERAL DUTY APPLICATIONS

- Precision machined
- 5/8" steel bolt machined and tapered on one end
- 1 1/4" threading into body resists stripping
- Standard 7/8" wrench fitting
- Four grab bolts for maximum holding power
- Torque Limit: 75 ft. lbs

Part Number	Replacement Fingers (set of 4)	Main Center Shaft	Centering Sleeve
05380401	05249901	05249701	05249801

Pitch Gauge



Every Toolbox Needs A Lau Pitch Gauge
Eliminate the guesswork when replacing old propellers. Lau's pitch gauge measures the correct pitch and direction of rotation.

Part Number	Description
05099801	LAU PITCH GAUGE

Follow these 3 steps to measure propeller rotation and pitch:



STEP 1

- Position the faceplate of the gauge on the blade of the fan

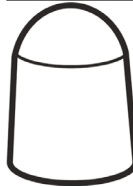
STEP 2

- Place the foot of the wire body of the pitch gauge on the center section (spider) of the fan

STEP 3

- The pointer gives a direct reading of the pitch in degrees, and the clockwise / counter-clockwise markings indicate the rotation

Rubber Fan Hub Cap



Rubber fan hub cap prevents vertical mounted condenser fan from seizing to motor shaft.

Part Number	Description
P251-0061	Rubber Fan Hub Cap

Tecinspect



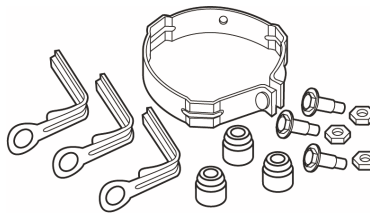
- 16-Pin and 4-Pin Connector for diagnostics on Genteq Variable Speed Models
- Works with ECM models: 2.0, 2.3, Eon, 3.0,
- Comes with ECM Service Guide

Part Number	Description
GE-A447	TECInspect 16-Pin and 4-Pin Connector

Bracket Kits

Totaline® Bracket Kits

Motor Mount Kit

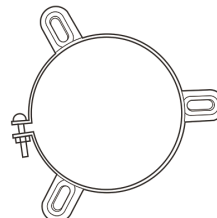


Stamped steel motor mounting kits for 42 and 48 frame direct drive blower motors.

Kits contain belly band, mounting arms, rubber isolation grommets and 1/4-20 sleeved bolts and nuts for attaching mount to fan housing.

Part Number	Motor Diameter	Bolt Circle
P251-0074	5.3"	11.6"
P251-0075	5"	11"

Adjustable Motor Mount Kit



Use when replacing motors which originally had welded on mounting ears. Mounting ears have 5/16" slots and 3/4" knockouts which are adaptable to a wide range of mounting dimensions.

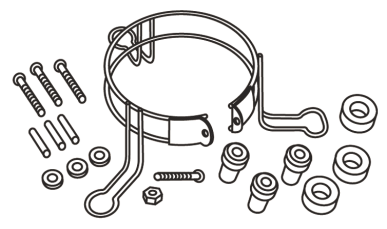
Part Number	Description
P251-0015	Adjustable Motor Mount Kit

PARTS & ACCESSORIES

Bracket Kits

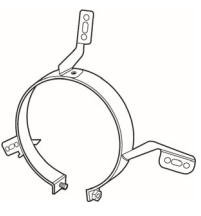
Totaline® Bracket Kits

Torsion Flex Bracket



Part Number	Bolt Circle	Motor Frame	Emerson No
P251-0010	9-9/32"	42	16
P251-0011	10"	48	17

Torsion Flex Bracket for 5-1/2" Motos



An economical alternative to conventional mounts that require rubber grommets.

- Fits 9" or 10" blowers
- Maximum motor weight is 16 lbs
- Used with 5 1/2" diameter direct drive blower motors

Part Number
P251-0073

Direct Drive Motor Mounting Brackets

Flexible Mount Belly" Band Adapter



Adapts either to a 5" diameter motor (42-frame), or a 5 5/8" (48-frame) to mount on 9" and 10" blowers.

Part Number	Fits
05407401	5" Motor
05407402	5-5/8" Motor

Motor Mounting Bracket



Supported from the housing venturi, mounting brackets are adjusted for motors 3 1/2" to 6 1/8" in length and accommodates a 48-frame motor. Adjusts to various wheel widths with the necessary hardware furnished.

Part Number	Blower Size
38251401	9"
38251501	10"
02612601	11" & 12"

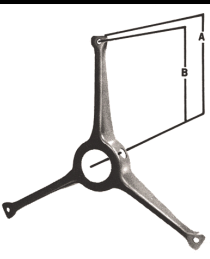
Universal Motor Mounting Brackets



Lau's universal motor mounting Brackets accommodate 10" and 12" Blowers (includes mounting hardware).

Part Number	Diameter	Motor Frame	Blower Size
02869101	5"	42	10"
02869201	5-5/8"	48	10"
05409101	5-5/8"	48	12"

Bearing Brackets For Belt Drive Blowers



NOTE - 18" version has 2 belt holes on each bracket leg. One-Piece Bracket (Sold individually)

Part Number	Belt Drive Blower (1)	A	B	OD*
00896004	18"	9-5/16"	8 13/16"	2-1/2"
01443102	15"	7-13/16"	7-7/16"	2-1/2"
01573001	12"	6-5/16"	6"	2-1/2"

Knock Down Bracket Kit



For easier installation. Accommodates bearings that have 1 13/16" O.D. (Fits up to 18 1/2" bolt circle.)

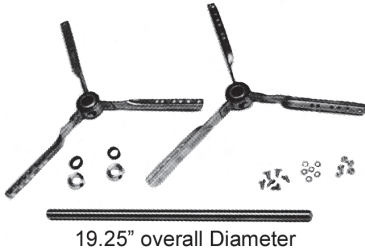
NOTE - When combined with a pair of 3/4" Lau bearings, can also replace obsolete flange bearing #38208201.

Part Number	OD of Rubber Cushion
38269901	1-13/16"

PARTS & ACCESSORIES

Bracket Kits

Sleeve Bearing Bracket Kit



- Ideal for replacing obsolete pillow blocks and streamlined bearings
- Can also be used in some evaporative cooler applications
- Specially designed to fit most blowers from 9" to 16" sizes
- Sturdy, compact, 10-gauge steel bearing and bracket – completely assembled and ready to mount
- Sintered bronze ball assembly securely held in a spherical rubber isolating liner to assure maximum vibration absorption, quiet operation, constant self-alignment and long life
- Packaged in pairs with shaft and hardware group

Part Number	Shaft Diameter	Maximum HP	Shaft Length
02917501*	3/4"	3/4 HP	20"
02917601	1"	1 HP	25"

*02917501 also replaces obsolete Part Number 38208201.

Bearings

Lau-Pak" - Sleeve Sealed Type Bearings With Insulator



Self-aligning, factory-packed with a supply of plastic petroleum assuring proper lubrication during the long life of the bearing. Self-aligning, porous bronze sleeve pressed in housing.

Note: Temperature Range for Sleeve Bearing 40°-135°

Part Number	Shaft Diameter	OD*
38244301	5/8"	1-13/16"
38244302	3/4"	1-13/16"
38244303	1"	2-1/2"

Sealed Sleeve Bearings (Replaces Brundage)



Self-aligning, factory-packed with a supply of plastic petroleum assuring proper lubrication during life of bearing.

Note - Temperature Range for Sleeve Bearings: 40° - 135°.

Part Number	Shaft Diameter	OD*
38269401	3/4"	2-1/16"
38269501	1"	2-1/16"

* O.D. as measured over rubber cushion.

Sealed Type Ball Bearings With Insulator



For use when operating conditions exceed the limits of sleeve bearings or where repetitive failures occur. These bearings are pre-lubricated at the factory and require no further lubrication or attention. They are equipped with seals for positive grease retention and protection against contaminants.

Note - Temperature Range for Sleeve Bearings: 40° - 135°.

Part Number	Temp Range °F	Shaft Diameter w/ interlocking thrust collar	OD*
38258801	-20° +180°	3/4"	1-13/16"
38259001	-20° +180°	1"	2-17/32"
38256201	-20° +180°	1-3/16"	2-17/32"

*O.D. as measured over rubber cushion.

Lau Oil Type - Sleeve Bearings With Insulator



Self-aligning, self-oiling, with bronze bushing held in housing under light, uniform spring pressure, providing uniform distribution of lubricant through pores of bushing. Drive type oil cup.

Note - Shipped dry. Lubricate at time of installation with SAE 20 or 30 weight oil.

Part Number	Shaft Diameter	OD*
38240401	5/8"	1-13/16"
38244201	3/4"	1-13/16"
38244202	1"	2-1/2"

* O.D. as measured over rubber cushion.

PARTS & ACCESSORIES

Bearings

Oil Sleeve Bearings (Replaces Brundage)



Self-oiling with sintered bronze bushings and drive type oil cups.

Part Number	Shaft Diameter	OD*
38269601	3/4"	2-1/16"
38269701	1"	2-1/16"

*O.D. as measured over rubber cushion.

Oil Type - Sleeve Bearings With Insulator



Self-aligning, self-oiling with sintered bronze bushings and drive type oil cups.

Note - Re-lubricate with SAE 20 or 30 weight oil. (Due to wicking, may need to oil at time of installation.)

Part Number	Shaft Diameter	OD*
38245001	3/4"	1-27/32"
38244901	1"	1-27/32"
38209401	1" Heavy Duty	2-1/2"

*O.D. as measured over rubber cushion.

Totaline® Bronze Bearing

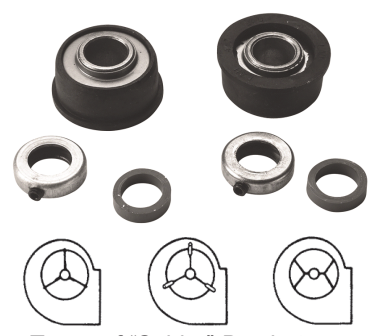


- Porous bronze sleeve
- Oil cup

Part Number	Diameter		Width
	Outside	Bore	
P461-2301*	1-11/16"	3/4"	1-1/4"

*Requires Isolator P461-2001.

Cartridge Type Sleeve Bearings



Types of "Spider" Brackets

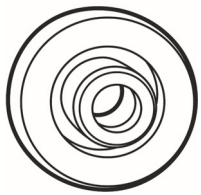
This cartridge type bearing has been designed to give you fast, easy interchangeability. It will fit any "spider type" bracket used on 9", 10", and 12" blowers. Sintered bronze bushing pressed into steel bearing caps and cushioned in heavy neoprene conductive rubber. Factory packed with lubricant for many years of quiet, trouble-free service. The cartridge bearing with a journal may permit use of old shaft.

Bearings shipped in pairs

Part Number	Shaft Diameter	(Pair)	OD*
38209101	3/4" w/ thrust & spacer	Mark IV	1-13/16"
38227201	3/4" w/ journal	Mark III	1-13/16"
38209001	1"		1-13/16"

*O.D. as measured over rubber cushion.

Ball Bearing Cartridge Units



Features:

- Light duty series
- Molded rubber outer liner
- Eccentric self-locking collar
- Permanently lubricated
- Quiet operation
- Width: 1"

Part Number	Diameter	
	Outside	Bore
P461-2202	2.5"	1/2"
P461-2502	2.5"	5/8"
P461-2302	1.8"	3/4"
P461-2304	2.5"	3/4"
P461-2201	1.7"	1/2"
P461-2102	2.5"	1"
P461-2103*	2.5"	1"
P461-2901	2.5"	1-3/16"

*Width 3/4 inch.

PARTS & ACCESSORIES

Bearings

Ball Bearing Cartridge Units - Bronze Sleeve

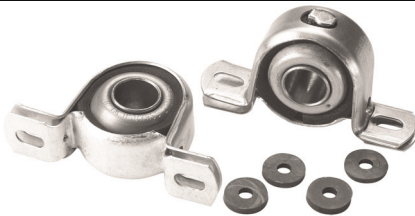


- Features:**
- Porous bronze sleeve
 - Sealed type
 - Self-aligning

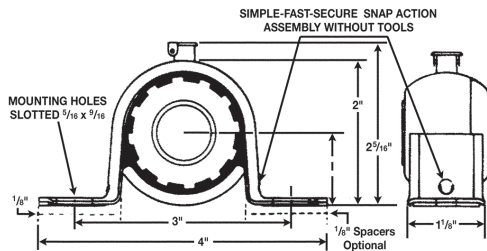
Part Number	Diameter		Width
	Outside	Bore	
P461-2303	1-13/16"	3/4"	1"
P461-2101	2-1/2"	1"	1-3/8"

*Width 3/4 inch.

Pillow Block Sleeve Bearings



Heavy neoprene cushioned, re-oilable porous bronze bushing in a pressed steel ball unit held firmly in a housing of two-piece interlocking steel. This high quality self-aligning, static-free, pillow block will assure quiet operation and many years of trouble free performance. Two 1/8" rubber spacers provided for use, if needed.



For use on horizontal shaft applications only

Part Number	Shaft Diameter
38220401	5/8"
38208601	3/4"
38208701	1"
38209301*	1" Heavy Duty

Dimensions for the heavy duty pillow block are: mounting holes on center 3 1/2"; base to shaft center 1 3/16"; width 1 1/2".

Pillow Block Ball Bearings



- Features:**
- Durable cast-iron construction
 - Pre-lubricated bearings
 - Re-greasable

Note - Temperature Range: -30 to 200°F.

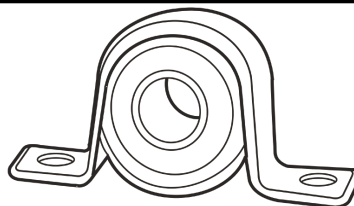
Technical tip:

Pillow block ball bearings are pre-lubricated at the factory. Normal operating temperature is from -30°F to 200°F. Under normal operating conditions (clean environment and RPM under 1500) re-lubrication is recommended at 6-12 month intervals. When re-greasing, care should be taken not to over grease as seal blow out and/or bearing burnout can occur.

Part Number	Shaft Diameter	Spread		Hole Size	OD*
		Min	Max		
38256701	3/4"	3-5/8"	3-7/8"	9/16" x 13/32"	3-5/16"
38256801	1"	3-7/8"	4-1/8"	9/16" x 13/32"	1-7/16"
38256901	1-3/16"	4-1/2"	4-3/4"	3/4" x 9/16"	1-11/16"
38257001	1-7/16"	4-3/5"	5"	3/4" x 9/16"	1-7/8"

*O.D. as measured over rubber cushion.

Pillow Block Light Duty Series



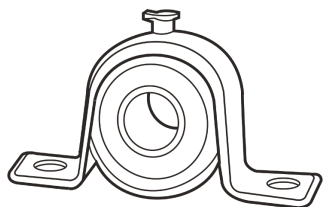
- Permanently lubricated
- Rubber cushion interliner
- Eccentric locking collar
- Two-piece pressed steel housing
- Self-aligning

Part Number	Base to Shaft Center	Mounting Center Distance	Bore Diameter	Type
P461-2203	9/16"	2"	1/2"	SLV
P461-2503	.70"	3"	5/8"	SLV
P461-2501	1"	3"	5/8"	BALL
P461-2306	1-1/8"	3-3/8"	3/4"	BALL
P461-2104	1-5/16"	3-3/4"	1"	BALL
P461-2904	1-5/16"	3-3/4"	1-3/16"	BALL

PARTS & ACCESSORIES

Bearings

Pillow Block Bronze Bearing



- Porous bronze sleeve
- Self-aligning
- Spherical bearing cartridge
- Quiet operation
- Oil cup for re-lubrication

Part Number	Base to Shaft Center	Mounting Center Distance	Bore Diameter
P461-2504	1"	3-1/8"	5/8"
P461-2305*	1"	3-1/8"	3/4"
P461-2106	1"	4-1/16"	1"
P461-2107	1-3/8"	3-5/16"	1"

Flange Ball Bearings



Permanently sealed and lubricated, two-bolt flange unit, rubber-mounted oil resistant, rubber isolator. Stamped steel housing.

Part Number	Shaft Diameter	Spread	Hole Size	OD*
38256501	3/4"	3-5/8"	7/16"	2-41/64"
38256502	1"	3-5/8"	7/16"	2-41/64"

*O. D. as measured over rubber cushion.

Other Accessories

Thrust Sleeve & Spacer Kit



Developed to eliminate end-play on sleeve bearing blowers. Replaces old style spring design. Plastic sleeve with assortment of spacers make adjustment easy on any size blower. Easy-to-follow instructions included. Available in 3/4" shaft size only.

Part Number	Shaft Diameter
38220301	3/4"

Thrust Collar Kit



Sheet metal thrust collar in 3/4", 5/8" and 1" size. All with hollow head (Allen) setscrews. Kit consists of one pair packaged with thrust washers. Order by part number.

Part Number	Shaft Diameter
38243101	5/8"
38220601	3/4"
38220701	1"

Thrust Spacer Kit



Packaged 12 per bag.

Part Number	Shaft Diameter
38249101	5/8"
38249102	3/4"
38249103	1"

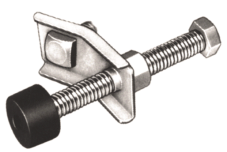
Motor Mounting Hardware Kit



Motor attachment and adjustment hardware for 9", 10", 12" and 15" blowers.

Part Number	Description
38252101	Motor Attachment And Adjustment Hardware Kit

Motor Adjustment Kit



Tailpiece assembly for proper belt tension adjustment.

Part Number	Description
38252301	Motor Adjustment Kit

PARTS & ACCESSORIES

Other Accessories

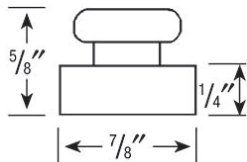
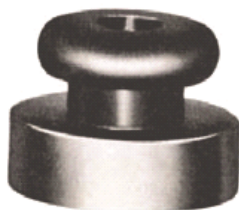
Motor Adjustment Grommets



Resilient rubber tips for use with tailpiece assembly to reduce motor vibration and noise.

Part Number	Pack	Description
38252501	6	Motor Adjustment Rubber Grommets

Vibro-Pads



Resilient rubber pads snap easily into place. Reduces vibration, wear and noise on blowers, fans, motors, etc. (packaged 12 per bag).

Part Number	Hole Size
38220901	5/16"

Shafts

Generic Blower Shafts

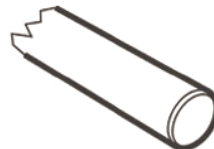


When a bearing fails, the shaft is inevitably scored. If not replaced, it will destroy the new bearings. Premium shafting is ground and polished 1018 cold-rolled steel. Excess shaft may be cut off. (Keyways and/or flats are to be added as required in the field.)

NOTE - When replacing bearings, be sure to replace the shaft.

Part Number	Diameter	Length	Shaft
38220501	5/8"	20"	Solid
38209601	3/4"	20"	Solid
38269301	3/4"	35"	Solid
38209501	1"	25"	Solid
38249201	1"	35"	Solid

Totaline® Blower Shafts



- Solid cold-rolled steel
 - Ground and polished shaft
 - Universal sizes
 - Can be cut to proper length
- NOTE** - When replacing bearings, be sure to replace the shaft.

Part Number	Diameter	Length	Shaft
P461-4520	5/8"	20"	Solid
P461-4320	3/4"	20"	Solid
P461-4335	3/4"	35"	Solid
P461-4125	1"	25"	Solid
P461-4135	1"	35"	Solid

Steel Shaft Bushings



Part Number	Diameter		Length
	Outside	Inside	
P251-0062	3/8"	5/16"	1-1/64"
P251-0063	1/2"	5/16"	1-1/8"
P251-0064	1/2"	3/8"	1-1/8"
P251-0076	5/8"	1/2"	1-1/8"
P251-0065	3/4"	1/2"	1-1/4"
P251-0066	3/4"	5/8"	1-1/4"
P251-0067	1"	5/8"	1-1/4"
P251-0068	1"	3/4"	1-1/4"
P251-0069	1-3/16"	1"	1-1/4"

PARTS & ACCESSORIES

Pulleys

Totaline® Adjustable Motor Pulleys



- Quality cast iron key way
- Designed for long belt life
- Corrosion resistant

Motor Accessories

Part Number	Pulley Size	Shaft Size	Pitch Diameter
P461-3201	3"	1/2"	1.9 - 2.9"
P461-3503	3"	5/8"	1.9 - 2.9"
P461-3301	3"	3/4"	1.9 - 2.9"
P461-3202	4"	1/2"	2.4 - 3.4"
P461-3505	4"	5/8"	2.4 - 3.4"
P461-3302	4"	3/4"	2.4 - 3.4"
P461-3710	4"	7/8"	2.4 - 3.4"
P461-3203	4-1/4"	1/2"	2.8 - 3.8"
P461-3507	4-1/4"	5/8"	2.8 - 3.8"
P461-3303	4-1/4"	3/4"	2.8 - 3.8"
P461-3708	4-1/4"	7/8"	2.8 - 3.8"
P461-3204	5"	1/2"	3.4 - 4.4"
P461-3504	5"	5/8"	3.4 - 4.4"
P461-3304	5"	3/4"	3.4 - 4.4"
P461-3706	5"	7/8"	3.4 - 4.4"