

# MASTERFIT PRO<sup>®</sup> MOTORS THE SERVICEMAN'S BEST FRIEND<sup>™</sup>

**REGAL**<sup>®</sup>

# MasterFit Pro<sup>®</sup> Motor Specifications

## Condenser Fan Motors • Ambient 70°C • Totally Enclosed

STOCK NUMBER	HP	CAPACITOR 370V		SPEEDS TO USE	AMPS	RPM	VOLTS	BEARINGS	LEAD LENGTHS	"A" DIM	SHAFT LENGTH	CROSS REF
		208V	230V"									
FE6001F	1/3	10 mfd	7.5	High	1.9	825	208-230	Ball	48"	5.24"	1/2" x 6.5"	5464
	1/4	10 mfd	7.5	High	1.5							5464H
	1/5	10 mfd	7.5	Low	1.2							
	1/6	10 mfd	7.5	Low	1.0							
FE6003F	1/2	12.5 mfd	10	High	2.4	825	208-230	Ball	48"	5.74"	1/2" x 6.5"	N/A
	1/3	12.5 mfd	10	High	1.7							
	1/4	12.5 mfd	10	Low	1.4							
	1/5	12.5 mfd	10	Low	1.1							
FE6000F	1/3	7.5 mfd	5	High	2.6	1075	208-230	Ball	48"	4.74"	1/2" x 6.5"	5462
	1/4	7.5 mfd	5	High	2.5							5462H
	1/5	7.5 mfd	5	Low	2.0							
	1/6	7.5 mfd	5	Low	1.8							
FE6002F	1/2	12.5 mfd	10	High	3.9	1075	208-230	Ball	48"	5.36"	1/2" x 6.5"	5465
	1/3	12.5 mfd	10	High	2.2							5465H
	1/4	12.5 mfd	10	Low	1.6							
	1/5	12.5 mfd	10	Low	1.3							
FE6004F	3/4	15 mfd	12.5	High	5.8	1075	208-230	Ball	48"	5.99"	1/2" x 6.5"	5482H
	1/2	15 mfd	12.5	High	3.9							
	1/3	15 mfd	12.5	Low	2.5							
	1/4	15 mfd	12.5	Low	1.8							

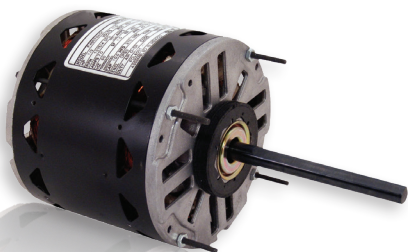
## Direct Drive Fan & Blower Motors

• Ambient 40°C • Open Dripproof

\* Motor is approximately 10% stronger and has higher starting torque for 1/6, 1/5, 1/4, and 1/3 HP rating with the 7.5 mfd 370 Vac capacitor.

STOCK NUMBER	HP	CAPACITOR 370 VOLTS	SPEEDS TO USE	AMPS	RPM	VOLTS	BEARINGS	LEAD LENGTHS	"A" DIM	SHAFT LENGTH	CROSS REF
NEW! FD6002A	1/3	7.5 mfd	All	2.1	825	208-230	Sleeve	36"	5.24"	1/2" x 3.5"	5469
	1/4	7.5 mfd	Med-Hi, Med-Lo, Lo	1.7							
	1/6	7.5 mfd	Med-Lo, Lo	1.0							
	1/8	7.5 mfd	Lo	0.9							
FDL6001A	1/2	10 mfd	All	7.0	1075	115	Sleeve	36"	4.86"	1/2" x 5"	5460
	1/3	5 mfd 7.5*	All	6.7							
	1/4	5 mfd 7.5*	Lo, Med-Lo, Med-Hi	4.4							
	1/5	5 mfd 7.5*	Lo, Med-Lo	3.2							
	1/6	5 mfd 7.5*	Lo	2.4							
FD6000A	1/2	10 mfd	All	3.9	1075	208-230	Sleeve	36"	4.86"	1/2" x 5"	5461
	1/3	5 mfd 7.5*	All	3.6							
	1/4	5 mfd 7.5*	Lo, Med-Lo, Med-Hi	2.5							
	1/5	5 mfd 7.5*	Lo, Med-Lo	1.8							
	1/6	5 mfd 7.5*	Lo	1.3							
FDL6002A	3/4	10 mfd	All	9.1	1075	115	Ball	36"	4.86"	1/2" x 5"	5470
	1/2	10 mfd	All	6.8							
	1/3	5 mfd 7.5*	All	5.5							
	1/4	5 mfd 7.5*	Lo, Med-Lo, Med-Hi	3.0							
	1/5	5 mfd 7.5*	Lo, Med-Lo	2.3							
FD6001A	3/4	10 mfd	All	4.0	1075	208-230	Ball	36"	4.86"	1/2" x 5"	5471
	1/2	10 mfd	All	3.6							
	1/3	5 mfd 7.5*	All	3.0							
	1/4	5 mfd 7.5*	Lo, Med-Lo, Med-Hi	2.3							
	1/5	5 mfd 7.5*	Lo, Med-Lo	2.0							
NEW! 7FD6000A	1/2	10 mfd	All	3.3	1075	277	Sleeve	36"	4.86"	1/2" x 5"	N/A
	1/3	5 mfd 7.5*	All	2.3							
	1/4	5 mfd 7.5*	Med-Hi, Med-Lo, Lo	1.7							
	1/5	5 mfd 7.5*	Med-Lo, Lo	1.3							
	1/6	5 mfd 7.5*	Lo	1.0							
NEW! 7FD6001A	3/4	10 mfd	All	3.6	1075	277	Ball	36"	4.86"	1/2" x 5"	N/A
	1/2	10 mfd	All	2.3							
	1/3	5 mfd 7.5*	All	1.7							
	1/4	5 mfd 7.5*	Med-Hi, Med-Lo, Lo	1.3							
	1/5	5 mfd 7.5*	Med-Lo, Lo	1.0							

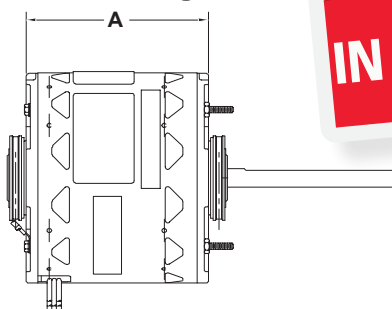
# Direct Drive Fan & Blower Motors



## Features

- Energy Efficient
- 4 Speed
- 40° C Ambient
- Class B Insulation
- 60 Hertz
- Open Dripproof
- Permanent Split Capacitor
- Reversible
- Resilient Rings
- Mounts by Belly Band, Thru Bolts or Shell Holes
- Extended Thru Bolts
- Rheem® Mounting Holes in Shell
- All Purpose Capacitor Included

## Motor Diagram



**ALL-PURPOSE  
CAPACITOR**

**IN EVERY BOX!**



## Century® Brand MasterFit® APC™

- Multi-Rating Capacitor
- 5, 7.5, 10, 12.5 & 15 MFD



## Round Capacitor Bracket

- Stock # 2116 Included

## Speeds to use:

### FDL6001A, FD6000A & 7FD6000A 1075 RPM Applications – Sleeve Bearing

MOTOR TO REPLACE	COOLING SPEEDS *(Color/Approx. RPM)	HEATING SPEEDS *(Color/Approx. RPM)	370V CAPACITOR	115V AMPS	208-230V AMPS	277V AMPS
1/2 HP	High (Black/1100)	Med-Hi (Blue/1050) or Med-Lo (Yellow/825)	10 mfd	7.0	3.9	3.3
1/3 HP	High (Black/1120)	Med-Hi (Blue/1090) or Med-Lo (Yellow/1030)	5 mfd**	6.7	3.6	2.3
1/4 HP	Med-Hi (Blue/1125)	Med-Lo (Yellow/1090) or Lo (Red/1010)	5 mfd**	4.4	2.5	1.7
1/5 HP	Med-Lo (Yellow/1110)	Lo (Red/1060)	5 mfd**	3.2	1.8	1.3
1/6 HP	Lo (Red/1085)	Lo (Red/1085)	5 mfd**	2.4	1.3	1.0

### FDL6002A, FD6001A & 7FD6001A 1075 RPM Applications – Ball Bearing

MOTOR TO REPLACE	COOLING SPEEDS *(Color/Approx. RPM)	HEATING SPEEDS *(Color/Approx. RPM)	370V CAPACITOR	115V AMPS	208-230V AMPS	277V AMPS
3/4 HP	High (Black/1110)	Med-Hi (Blue/1080) or Med-Lo (Yellow/1010)	10 mfd	9.1	4.0	3.6
1/2 HP	High (Black/1130)	Med-Lo (Yellow/1090) or Lo (Red/1035)	10 mfd	6.8	3.6	2.3
1/3 HP	Med-Hi (Blue/1150)	Med-Lo (Yellow/1130) or Lo (Red/1100)	5 mfd**	5.5	3.0	1.7
1/4 HP	Med-Lo (Yellow/1150)	Lo (Red/1130)	5 mfd**	3.0	2.3	1.3
1/5 HP	Lo (Red/1140)	Lo (Red/1140)	5 mfd**	2.3	2.0	1.0

### FD6002A 825 RPM Applications – Sleeve Bearing

MOTOR TO REPLACE	COOLING SPEEDS *(Color/Approx. RPM)	HEATING SPEEDS *(Color/Approx. RPM)	370V CAPACITOR	208-230V AMPS
1/3 HP	High (Black/825)	Med-Hi (Blue/775)	7.5 mfd	2.1
1/4 HP	Med-Hi (Blue/825)	Med-Lo (Yellow/750)	7.5 mfd	1.7
1/8 HP	Med-Lo (Yellow/825)	Lo (Red/800)	7.5 mfd	0.9

\*RPM data from cold motor at nominal horsepower. Actual load will determine effective rpm.

\*\*Using a 7.5 mfd/370V capacitor will result in an approximately 10% stronger motor.

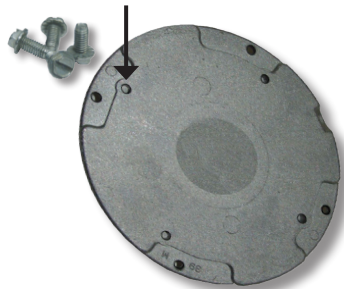
# Condenser Fan Motors



## Features

- Energy Efficient
- 2 Speed
- 70° C (158° F) Ambient
- Class F Insulation
- 60 Hertz
- Totally Enclosed
- Permanent Split Capacitor
- Automatic Protector
- Reversible
- All Position Mounting
- Mounts by Belly Band, Thru Bolts or Shell Holes
- Extended Thru Bolts
- Rheem Mounting Holes in Shell
- End Frame Mounting Holes For Rheem
- All Purpose Capacitor Included

4 End Frame Mounting Holes for Rheem®



## Century® Brand MasterFit® APC™

- Multi-Rating Capacitor
- 5, 7.5, 10, 12.5 & 15 MFD



## Round Capacitor Bracket

- Stock # 2116 Included

## Speeds to use:

**FE6000F (208-230V)** 1075 RPM Applications – Ball Bearing

MOTOR TO REPLACE	SPEEDS TO USE *(Color/RPM)	208V (Cap. Mfd)***	230V (Cap. Mfd)***	AMPS
1/3 HP	High (Black/1110)	7.5	5	2.6
1/4 HP	High (Black/1135)	7.5	5	2.5
1/5 HP	Lo (Red/1110)	7.5	5	2.0
1/6 HP	Lo (Red/1125)	7.5	5	1.8

**FE6001F (208-230V)** 825 RPM Applications – Ball Bearing

MOTOR TO REPLACE	SPEEDS TO USE *(Color/RPM)	208V (Cap. Mfd)***	230V (Cap. Mfd)***	AMPS
1/3 HP	High (Black/825)	10	7.5	1.9
1/4 HP	High (Black/835)	10	7.5	1.5
1/5 HP	Lo (Red/825)	10	7.5	1.2
1/6 HP	Lo (Red/835)	10	7.5	1.0

**FE6002F (208-230V)** 1075 RPM Applications – Ball Bearing

MOTOR TO REPLACE	SPEEDS TO USE *(Color/RPM)	208V (Cap. Mfd)***	230V (Cap. Mfd)***	AMPS
1/2 HP	High (Black/1110)	12.5	10	3.9
1/3 HP	High (Black/1135)	12.5	10	2.2
1/4 HP	Lo (Red/1110)	12.5	10	1.6
1/5 HP	Lo (Red/1125)	12.5	10	1.3

**FE6003F (208-230V)** 825 RPM Applications – Ball Bearing

MOTOR TO REPLACE	SPEEDS TO USE *(Color/RPM)	208V (Cap. Mfd)***	230V (Cap. Mfd)***	AMPS
1/2 HP	High (Black/825)	12.5	10	2.4
1/3 HP	High (Black/835)	12.5	10	1.7
1/4 HP	Lo (Red/825)	12.5	10	1.4
1/5 HP	Lo (Red/835)	12.5	10	1.1

**FE6004F (208-230V)** 1075 RPM Applications – Ball Bearing

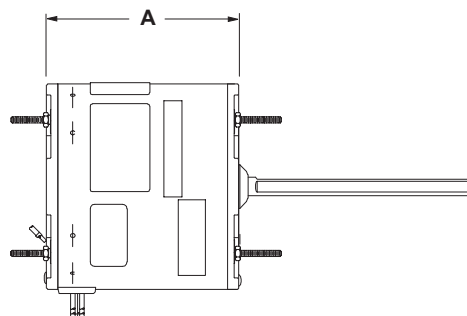
MOTOR TO REPLACE	SPEEDS TO USE *(Color/RPM)	208V (Cap. Mfd)***	230V (Cap. Mfd)***	AMPS
3/4 HP	High (Black/1110)	15	12.5	5.8
1/2 HP	High (Black/1135)	15	12.5	3.9
1/3 HP	Lo (Red/1110)	15	12.5	2.5
1/4 HP	Lo (Red/1125)	15	12.5	1.8

\*RPM data from cold motor at nominal horsepower.

Actual load will determine effective rpm.

\*\*\*Note: based on using a 370V capacitor.

## Motor Diagram



# MasterFit Pro<sup>®</sup> Motors

## Built to be Your Truck Stock Motor

- The line of MasterFit Pro<sup>®</sup> motors replaces hundreds of the most popular 48-frame condenser fan and indoor blower motors currently installed
- Versatile mounting options, multi-mounting capability, replaces multiple styles of OEM motors, all angle mount
  - OEM (Rheem<sup>®</sup>) mounting holes, with screws supplied
  - Adjustable extended thru-bolts
  - Belly band

## What is the Value of having the Part You Need on the Truck?

- Reduce unnecessary trips to the distributor and long drive times to get a replacement
- Eliminate temporary motor substitutions
- Get the job done the same day with the right part
- Reduce truck stocking costs
- Get more jobs done in the same day

## Built to Last

- Condenser fan motors rated 70°C
- Durable ball bearings or dependable all-angle sleeve bearings
- Water resistant rubber grommet at lead opening on condenser fan motors
- Water resistant reversing plugs on all MasterFit Pro<sup>®</sup> motors



*"MasterFit Pro<sup>®</sup> motors are ideal truck stock motors and sell themselves. The contractor has the right motor with just a few SKU's. MasterFit Pro motors are a "must have" for any contractor who offers 24-hour emergency service."*

*Marc Steger – St. Louis, MO*





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**APPLICATION CONSIDERATIONS**

The proper selection and application of products and components, including paying full attention to the subject of product safety in the application, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, maintenance requirements, installation configurations, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or reviews furnished by Regal Beloit America, Inc. or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge. However, Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and reviews being given and accepted are at the customer's risk.

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