

New!
277V Motors



Formerly A. O. Smith Electrical Products Company

Masterfit[®] Pro

“A Treasure Chest of Innovation”



A Regal Brand



Masterfit[®] Pro Specifications



Condenser Fan Motors • Ambient 70°C • Totally Enclosed

Stock Number	HP	Capacitor		Speeds to Use	Amps	RPM	Volts	Bearings	Lead Lengths	"A" Dimension	Shaft Length
		370 Volts 208V	230V								
FE6001F	1/3	10 mfd	7.5	High	1.9	825	208-230	Ball	48"	5.24"	1/2" x 6.5"
	1/4	10 mfd	7.5	High	1.5						
	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"
	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"
	1/4	7.5 mfd	5	High	2.5						
	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"
	1/3	12.5 mfd	10	High	2.2						
	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"
	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						

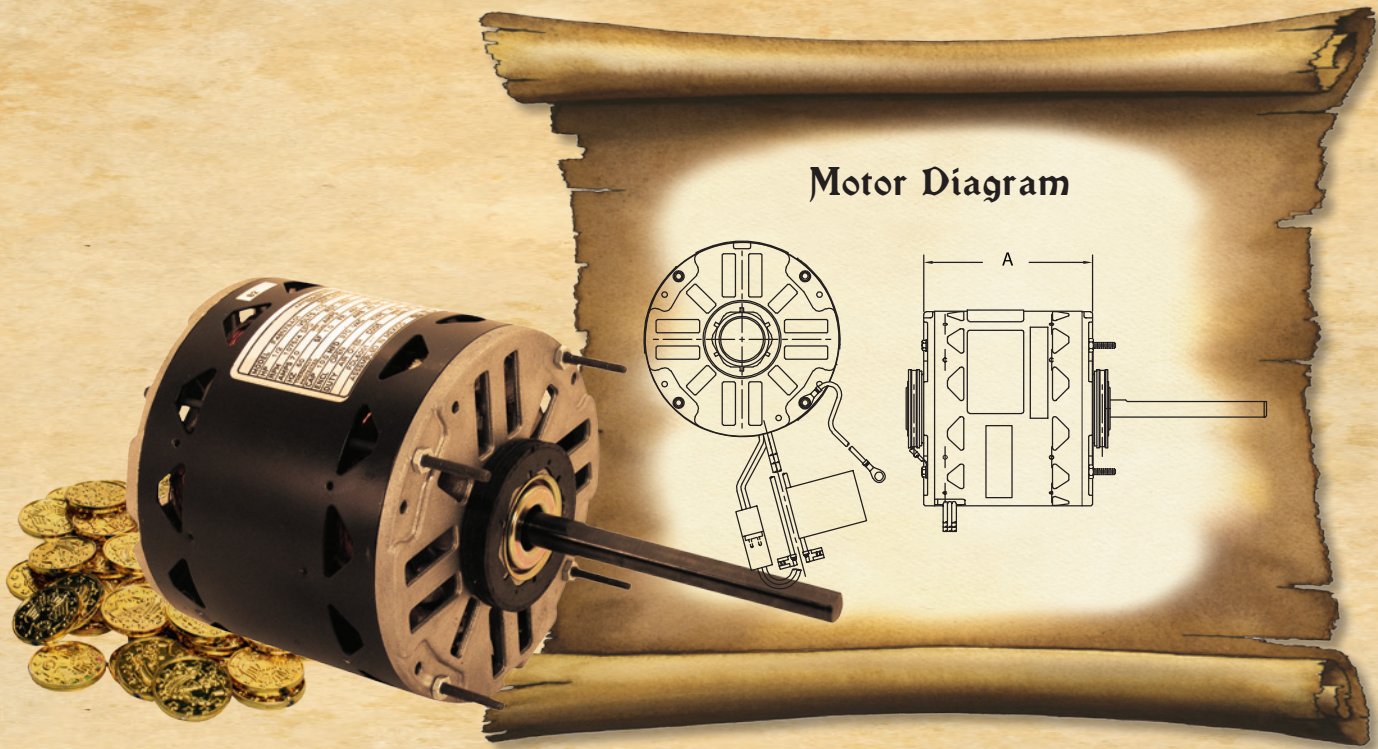
Direct Drive Fan & Blower Motors

• 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		Speeds to Use	Amps	RPM	Volts	Bearings	Lead Lengths	"A" Dimension	Shaft Length
		370 Volts									
FDL6001A	1/2	10 mfd		All	7.0	1075	115	Sleeve	36"	4.86"	1/2" x 5"
	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"
	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"
	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"
	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"
	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"
	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

Speeds to use:

FDL6001A, FD6000A & 7FD600A 1075 RPM Applications – Sleeve Bearing

FDL6001A FD6000A 7FD600A

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

FDL6002A FD6001A 7FD6001A

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

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

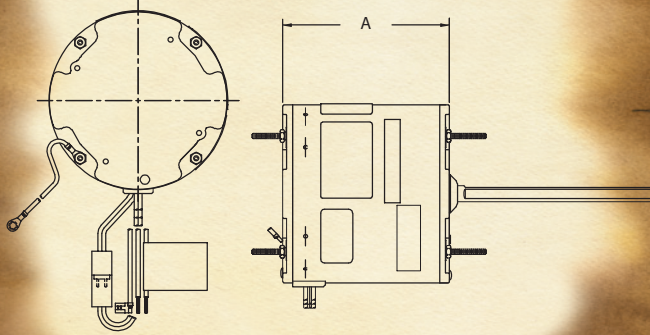
**Using a 7.5 mfd/370V capacitor will result in an approximately 10% stronger motor.

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 and Trane
- All Purpose Capacitor Included

Motor Diagram



Speeds to use:

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

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

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

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

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

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

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



Masterfit[®] Pro

“A Treasure Chest of Innovation”

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
- Available Separately

“Masterfit Pro[®] 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.”

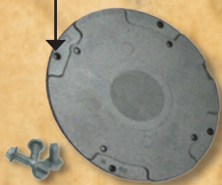
Marc Steger - St. Louis, MO

Enhanced Condenser Fan Motor Features:

- Class F Insulation



4 End Frame Mounting Holes



Cross Reference

Condenser Fan Motors

Century	Nidec/Emerson
FE6001F	5464, 5464H
FE6003F	
FE6000F	5462, 5462H
FE6002F	5465, 5465H
FE6004F	

Direct Drive Fan & Blower Motors

Century	Nidec/Emerson	Protech
FDL6001A	5460	51-23012-41
FD6000A	5461	51-23022-41
FDL6002A	5470	
FD6001A	5471	

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