

INDOOR BLOWER MOTORS (120V)



TRIPSAVER™ Indoor Blower Motor (120V)

TRIPSAVER motors are designed with a high degree of versatility; they will cover the vast majority of service applications requiring a direct drive motor. Stock these reliable motors on your service truck and you'll virtually eliminate those unnecessary trips to get the right motor. A definite must for your service vehicle stocking.



Replaces most residential furnace motors; features include:

- Replaces 120V motors from 1/6 to 1/2 horsepower
- 4 speed taps / Reversible rotation
- Operates in all positions
- 36 inch leads with easy to use quick-connect flag terminals

TRIPSAVER 51-23012-41 Capacitor & Motor Speed Selection Chart for Various HP Applications

HP	SPEED TO USE	CAPACITOR (uF/V)	FLA
1/2	All Speeds	10/370	7.3
1/3	All Speeds	5/370, 7.5/370	6.9
1/4	Med-Hi; Med-Lo; Lo	5/370, 7.5/370	5.5
1/5	Med-Lo; Lo	5/370, 7.5/370	3.6
1/6	Lo	5/370, 7.5/370	2.8

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23012-41	1/6 – 1/2	1075	4	120	1	60	Reversible	5/370, 7.5/370, or 10/370	7.30	1/2	5-5/8	5	4-11/16	9-11/16	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive



PROTECH Universal W51 Indoor Blower Motors (120V)

The PROTECH Universal W51 motors are a line of HVAC replacement motors, manufactured under strict quality standards at one of the world's largest and most modern motor production facilities. Every motor undergoes a variety of stringent tests before it leaves the assembly line.



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
W51-14BAA3-01	1/4	1075	3	120	1	60	Reversible	5/370	4.20	1/2	5-5/8	4-1/2	4-1/5	8-11/16	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
W51-13BAA3-01	1/3	1075	3	120	1	60	Reversible	5/370	6.10	1/2	5-5/8	4-1/2	4-3/8	8-11/16	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
W51-12BAA3-01	1/2	1075	3	120	1	60	Reversible	5/370, 10/370	9.00	1/2	5-5/8	4-1/2	5-5/16	9-7/8	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
W51-34BAA3-01	3/4	1075	3	120	1	60	Reversible	15/370	9.80	1/2	5-5/8	4-1/2	5-3/8	9-7/8	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive



PROTECH Wholesale Indoor Blower Motors (120V)

The PROTECH™ series of quality wholesale HVAC motors are designed to fit a variety of common aftermarket applications. Additionally, they are approved as OEM replacements for many Rheem, Ruud, and WeatherKing models; see unit parts lists for cross-reference.



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23013-31	1/3	1075	3	120	1	60	Reversible	5/370	6.80	1/2	5-5/8	5	4-13/16	9-13/16	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
51-23017-42	1/4 – 3/4	1075	4	120	1	60	Reversible	10/370, 12.5/370, or 15/370	9.50	1/2	5-5/8	5	5-13/16	10-13/16	Shell-band, Shell-screw	Ball	Blower	Direct Drive
51-23012-31	1/2	1075	3	120	1	60	Reversible	7.5/370	9.80	1/2	5-5/8	5	5-1/4	10-1/4	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
51-23017-31	3/4	1075	3	120	1	60	Reversible	15/370	12.50	1/2	5-5/8	5	5-1/2	10-1/2	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive



Emerson Wholesale Indoor Blower Motors (120V)



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1863	1/4	1075	3	120	1	60	Reversible	5/370	3.90	1/2	5-5/8	5	4-7/8	10-3/8	End-boss, Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
1864	1/3	1075	3	120	1	60	Reversible	7.5/370, 5/370	5.00	1/2	5-5/8	5	5-1/8	10-11/16	End-boss, Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
1865	1/2	1075	3	120	1	60	Reversible	10/370	7.40	1/2	5-5/8	4	6	10-3/8	End-boss, Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
8904	3/4	1075	3	120	1	60	Reversible	15/370	9.10	1/2	5-5/8	4	5-31/32	10-13/32	Shell-band	Sleeve	Blower	Direct Drive

INDOOR BLOWER MOTORS (120V)



Emerson RESCUE Indoor Blower Motors (120V)

You may not know what kind of motor you will need when you get to the job, but with the RESCUE motors on hand, you know you'll have one that will work.

- Replaces a range of different horsepower ratings and applications
- 36 inch leads



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
5460	1/6 – 1/2	1075	4	120	1	60	Reversible	10/370	7.30	1/2	5-5/8	5	4-3/4	9-3/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive
5470	1/5 – 3/4	1075	4	120	1	60	Reversible	20/370	8.10	1/2	5-5/8	5	6-1/8	11-5/8	Shell-band, Shell-screw, Thru-bolt	Ball	Blower	Direct Drive



OEM Indoor Blower Motors (120V)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 120V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-21627-01	1/8	825	2	120	1	60	CCW	7.5/370	1.80	1/2	5-5/8	4-7/16	4-1/4	8-5/8	Shell-band	Sleeve	Blower	Direct Drive
51-23101-01	1/8	825	2	120	1	50,60	CCW	7.5/370	2.80	1/2	5-5/8	2-3/4	4-1/16	6-13/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-27210-01	1/6	825	2	120	1	60	CCW	10/370	3.20	1/2	5-5/8	2-9/16	4-1/4	6-4/5	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-20169-02	1/6	1075	2	120	1	60	CCW	5/370	3.30	1/2	5-5/8	3	3-13/16	6-13/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-23015-91	1/5	1075	3	120	1	60	CCW	10/370	3.10	1/2	4-15/16	2-1/2	5	7-5/8	Shell-band	Sleeve	Blower	Direct Drive
51-102175-01	1/5	1075	2	120	1	60	CCW	10/370	1.30	1/2	5-5/8	2-3/4	4-1/4	7	Shell-band	Sleeve	Blower	Direct Drive
51-102175-02	1/5	1075	2	120	1	60	CCW	5/370	2.60	1/2	5-5/8	2-3/4	4-1/2	7-1/4	Shell-band	Sleeve	Blower	Direct Drive
51-23101-02	1/4	825	2	120	1	50,60	CCW	10/370	4.00	1/2	5-5/8	3-1/2	4-5/16	7-13/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-27210-02	1/4	825	2	120	1	60	CCW	20/370	4.50	1/2	5-5/8	3-5/16	4-1/2	7-4/5	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-21628-01	1/4	825	2	120	1	60	CCW	10/370	4.50	1/2	5-5/8	4-7/16	4-13/16	9	Shell-band	Sleeve	Blower	Direct Drive
51-23014-31	1/4	1075	3	120	1	60	Reversible	5/370	4.70	1/2	5-5/8	5	4-1/4	9-1/4	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
51-102175-03	1/4	1075	2	120	1	60	CCW	12.5/370	3.40	1/2	5-5/8	2-1/2	4-1/2	7-1/16	Shell-band	Sleeve	Blower	Direct Drive
51-21629-01	1/3	825	2	120	1	60	CCW	15/370	5.10	1/2	5-5/8	4-7/16	4-3/4	9-3/16	Shell-band	Sleeve	Blower	Direct Drive
51-23101-03	1/3	825	2	120	1	50,60	CCW	15/370	5.60	1/2	5-5/8	2-3/16	4-9/16	6-3/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-27210-03	1/3	825	2	120	1	60	CCW	20/370	7.20	1/2	5-5/8	2-1/16	5-1/4	7-5/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-102175-04	1/3	1075	2	120	1	60	CCW	15/370	5.30	1/2	5-5/8	2-1/4	5	7-1/4	Shell-band	Sleeve	Blower	Direct Drive
51-23102-04	1/2	825	1	120	1	50,60	CCW	20/370	6.80	1/2	5-5/8	3-1/4	5-1/4	8-1/2	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-27210-04	1/2	825	1	120	1	60	CCW	20/370	9.90	1/2	5-5/8	3-5/16	5-1/2	8-4/5	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-21630-01	1/2	825	1	120	1	60	CCW	15/370	10.00	1/2	5-5/8	4-7/16	5-3/4	10-1/7	Shell-band	Sleeve	Blower	Direct Drive
51-102424-01	1/2	1075	4	120	1	60	CCW	7.5/370	5.80	1/2	5-5/8	3-7/16	4-7/16	7-7/8	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-102500-01	1/2	1075	4	120	1	60	CCW	7.5/370	6.3	1/2	5-5/8	3-1/2	4-13/16	8-5/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-24070-01	1/2	1075	4	120	1	60	CCW	15/370	7.10	1/2	5-5/8	3-1/2	4-3/4	8-5/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-24070-02	1/2	1075	4	120	1	60	CCW	7.5/370	7.10	1/2	5-5/8	3-1/2	4-3/4	8-5/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-103243-01	1/2	1075	4	120	1	60	CCW	15/370	8	1/2	5-5/8	3-3/4	5-1/4	9	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-22858-01	1/2	1075	3	120	1	60	CCW	7.5/370	5.80	1/2	5-5/8	3-1/2	4-3/4	8-1/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-102423-01	1/2	1075	3	120	1	60	CCW	7.5/370	5.80	1/2	5-5/8	3-7/16	4-7/16	7-7/8	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-102425-01	1/2	1075	3	120	1	60	CCW	15/370	7.90	1/2	5-5/8	3-11/16	4-15/16	8-5/8	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-24272-01	1/2	1075	3	120	1	60	CCW	15/370	7.90	1/2	5-5/8	3-3/4	5-1/4	9-1/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-24145-01	1/2	1075	3	120	1	60	CCW	15/370	8.00	1/2	5-5/8	3-3/4	5-1/4	9-1/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-102175-05	1/2	1075	2	120	1	60	CCW	20/370	7.00	1/2	5-5/8	4-1/4	5-1/4	9-1/2	Shell-band	Sleeve	Blower	Direct Drive
51-25023-01	3/4	1075	4	120	1	60	CCW	15/370	9.50	1/2	5-5/8	3-3/4	5-13/16	9-9/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-25327-01	3/4	1075	3	120	1	60	CCW	15/370	9.50	1/2	5-5/8	3-3/4	5-13/16	9-9/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-102175-06	3/4	1075	2	120	1	60	CCW	20/370	8.10	1/2	5-5/8	4	5-1/2	9-1/2	Shell-band	Sleeve	Blower	Direct Drive

INDOOR BLOWER MOTORS (208/230V)



TRIPSAVER™ Indoor Blower Motor (208/230V)

TRIPSAVER motors are designed with a high degree of versatility; they will cover the vast majority of service applications requiring a direct drive motor. Stock these reliable motors on your service truck and you'll virtually eliminate those unnecessary trips to get the right motor. A definite must for your service vehicle stocking.

Replaces most residential furnace motors; features include:

- Replaces 208/230V motors from 1/6 to 1/2 horsepower
- 4 speed taps / Reversible rotation
- Operates in all positions
- 36 inch leads with easy to use quick-connect flag terminals



TRIPSAVER 51-23022-41 Capacitor & Motor Speed Selection Chart for Various HP Applications

HP	SPEED TO USE	CAPACITOR (uF/V)	FLA
1/2	All Speeds	10/370	3.6
1/3	All Speeds	5/370, 7.5/370	3.5
1/4	Med-Hi; Med-Lo; Lo	5/370, 7.5/370	2.8
1/5	Med-Lo; Lo	5/370, 7.5/370	1.9
1/6	Lo	5/370, 7.5/370	1.3

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23022-41	1/6 – 1/2	1075	4	208,230	1	60	Reversible	5/370, 7.5/370, or 10/370	3.60	1/2	5-5/8	5	4-5/8	9-5/8	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive



PROTECH Universal W51 Indoor Blower Motors (208/230V)

The PROTECH Universal W51 motors are a line of HVAC replacement motors, manufactured under strict quality standards at one of the world's largest and most modern motor production facilities. Every motor undergoes a variety of stringent tests before it leaves the assembly line.



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
W51-14BJA3-01	1/4	1075	3	208,230	1	60	Reversible	5/370	1.58	1/2	5-5/8	4-1/2	4-3/16	8-5/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive
W51-13BJA3-01	1/3	1075	3	208,230	1	60	Reversible	5/370	2.20	1/2	5-5/8	4-1/2	4-7/16	8-7/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive
W51-12BJA3-01	1/2	1075	3	208,230	1	60	Reversible	5/370	3.20	1/2	5-5/8	4-1/2	5-3/8	9-7/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive
W51-34BJA3-01	3/4	1075	3	208,230	1	60	Reversible	10/370	5.00	1/2	5-5/8	4-1/2	5-3/8	9-7/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive



PROTECH Wholesale Indoor Blower Motors (208/230V)

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PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23024-31	1/4	1075	3	208,230	1	60	Reversible	5/370	2.00	1/2	5-5/8	5	4-1/4	9-1/4	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
51-23023-31	1/3	1075	3	208,230	1	60	Reversible	5/370	3.10	1/2	5-5/8	5	4-3/4	9-3/4	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
51-23022-31	1/2	1075	3	208,230	1	60	Reversible	7.5/370	4.90	1/2	5-5/8	5	5-1/4	10-1/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive
51-23027-31	3/4	1075	3	208,230	1	60	Reversible	10/370	6.00	1/2	5-5/8	5	5-9/16	10-9/16	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive



Emerson Wholesale Indoor Blower Motors (208/230V)



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1971	1/4	1075	3	208,230	1	60	Reversible	5/370, 10/370	1.80	1/2	5-5/8	5	4-7/8	10-3/8	End-boss, Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
1972	1/3	1075	3	208,230	1	60	Reversible	5/370	2.40	1/2	5-5/8	5	4-7/8	10-3/8	End-boss, Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
1973	1/2	1075	3	208,230	1	60	Reversible	7.5/370	3.30	1/2	5-5/8	5	5-7/8	11-3/8	End-boss, Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
8905	3/4	1075	3	208,230	1	60	Reversible	10/370	4.60	1/2	5-5/8	4	5-31/32	10-13/32	Shell-band	Sleeve	Blower	Direct Drive

INDOOR BLOWER MOTORS (208/230V)



Emerson RESCUE Indoor Blower Motors (208/230V)

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PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
5461	1/6 – 1/2	1075	4	208,230	1	60	Reversible	10/370	3.60	1/2	5-5/8	5	4-3/4	9-3/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Blower	Direct Drive
5471	1/5 – 3/4	1075	4	208,230	1	60	Reversible	20/370	4.20	1/2	5-5/8	5	6-1/8	11-5/8	Shell-band, Shell-screw, Thru-bolt	Ball	Blower	Direct Drive



OEM Indoor Blower Motors (208/230V)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-21542-01	1/8	825	2	208,230	1	60	CCW	5/370	0.80	1/2	5-5/8	4	4-1/4	9-1/8	Shell-band	Sleeve	Blower	Direct Drive
51-23102-05	1/8	825	2	208,220,230	1	50,60	CCW	5/370	1.40	1/2	5-5/8	2-9/16	4-1/4	6-3/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-100344-01	1/6	825	2	208,230	1	60	CCW	7.5/370	1.60	1/2	5-5/8	2-5/8	4-1/16	6-11/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-102500-07	1/5	1075	2	208,230	1	60	CCW	10/370	1.20	1/2	5-5/8	2-3/4	4-9/16	7-5/16	Shell-band	Sleeve	Blower	Direct Drive
51-102177-01	1/5	1075	2	208,230	1	60	CCW	10/370	0.90	1/2	5-5/8	2-3/4	4-5/16	7-1/16	Shell-band	Sleeve	Blower	Direct Drive
51-23102-25	1/5	1075	2	208,230	1	60	CCW	3/370	2.00	1/2	5-5/8	2-9/16	4-1/4	6-3/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-101728-01	1/5	1075	2	208,230	1	60	CCW	10/370	0.80	1/2	5-5/8	2-3/4	4-1/4	7-1/16	Shell-band	Sleeve	Blower	Direct Drive
51-21543-01	1/4	825	2	208,230	1	60	CCW	7.5/370	2.00	1/2	5-5/8	4	4-1/2	8-3/8	Shell-band	Sleeve	Blower	Direct Drive
51-23102-06	1/4	825	2	208,220,230	1	50,60	CCW	7.5/370	2.00	1/2	5-5/8	3-5/16	4-1/2	7-3/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-27211-02	1/4	825	2	208,220,230	1	50,60	CCW	10/370	2.10	1/2	5-5/8	3-5/16	4-1/2	7-13/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-23102-26	1/4	1075	3	208,230	1	60	CCW	7.5/370	2.40	1/2	5-5/8	3-5/16	4-1/2	7-3/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-100837-01	1/4	1075	2	208,230	1	60	CCW	10/370	1.40	1/2	5-5/8	4-1/2	4-1/4	8-3/4	Shell-band	Sleeve	Blower	Direct Drive
51-20896-01	1/4	1075	2	208,230	1	60	CCW	5/370	1.80	1/2	5-5/8	2-1/2	4-1/16	6-9/16	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive
51-102500-08	1/4	1075	2	208,230	1	60	CCW	12.5/370	1.25	1/2	5-5/8	2-1/2	4-9/16	7-1/16	Shell-band	Sleeve	Blower	Direct Drive
51-23102-07	1/3	825	2	208,220,230	1	50,60	CCW	10/370	2.80	1/2	5-5/8	2	4-3/4	6-3/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-27211-03	1/3	825	2	208,220,230	1	50,60	CCW	15/370	3.20	1/2	5-5/8	3-5/16	5-1/4	8-9/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-21756-01	1/3	825	2	208,230	1	60	CCW	10/370	2.60	1/2	5-5/8	4	4-9/16	8-9/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-23102-27	1/3	1075	3	208,230	1	60	CCW	15/370	3.40	1/2	5-5/8	2	4-3/4	6-3/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-100837-02	1/3	1075	2	208,230	1	60	CCW	7.5/370	1.30	1/2	5-5/8	4-1/2	4-1/4	8-3/4	Shell-band	Sleeve	Blower	Direct Drive
51-21757-01	1/2	825	1	208,230	1	60	CCW	15/370	3.40	1/2	5-5/8	4-5/16	4-13/16	9-1/8	Shell-band	Sleeve	Blower	Direct Drive
51-27211-04	1/2	825	1	208,220,230	1	50,60	CCW	25/370	2.90	1/2	5-5/8	3-5/16	5-1/2	8-13/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-27211-05	1/2	825	1	208,220,230	1	50,60	CCW	25/370	4.20	1/2	5-5/8	3-5/16	5-1/2	8-13/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-23102-08	1/2	825	1	208,220,230	1	50,60	CCW	15/370	3.40	1/2	5-5/8	3-1/4	5	8-1/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-23102-28	1/2	1075	3	208,230	1	60	CCW	20/370	3.90	1/2	5-5/8	3-1/4	5-1/4	8-1/2	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-23609-04	1/2	1075	3	208,230	1	60	CCW	10/370	2.40	1/2	5-5/8	3	4-1/2	7-9/16	Shell-band	Sleeve	Blower	Direct Drive
51-23679-01	1/2	1075	3	208,230	1	60	CW	10/370	2.70	1/2	5-5/8	2-1/2	5-1/4	8-5/8	Shell-band	Sleeve	Blower	Direct Drive
51-100837-03	1/2	1075	2	208,230	1	60	CCW	15/440	2.40	1/2	5-5/8	4-1/2	4-1/2	9	Shell-band	Sleeve	Blower	Direct Drive
51-100837-04	1/2	1075	2	208,230	1	60	CCW	20/370	2.50	1/2	5-5/8	4-1/2	5	9-1/2	Shell-band	Sleeve	Blower	Direct Drive
51-101728-05	1/2	1075	2	208,230	1	60	CCW	20/370	3.40	1/2	5-5/8	4-1/4	5-1/4	9-1/2	Shell-band	Sleeve	Blower	Direct Drive
51-23102-88	1/2	1075	1	208,230	1	60	CCW	20/370	3.50	1/2	5-5/8	3-1/4	5	8-1/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-23555-02	3/4	1075	3	208,230	1	60	CW	15/370	5.40	1/2	5-5/8	2-3/4	6-13/16	9-5/8	Shell-band	Sleeve	Blower	Direct Drive
51-23650-01	3/4	1075	3	208,230	1	60	CCW	10/440	4.40	1/2	5-5/8	3	5-3/4	8-13/16	Shell-band	Sleeve	Blower	Direct Drive
51-101728-06	3/4	1075	2	208,230	1	60	CCW	20/370	3.20	1/2	5-5/8	4	5-1/2	9-1/2	Shell-band	Sleeve	Blower	Direct Drive
51-21898-01	3/4	1075	2	208,230	1	60	CCW	10/370	6.30	1/2	5-5/8	3	5-5/16	8-15/16	Shell-band	Sleeve	Blower	Direct Drive
51-100837-05	3/4	1075	2	208,230	1	60	CCW	20/370	3.10	1/2	5-5/8	4-1/2	5-3/4	10-1/4	Shell-band	Sleeve	Blower	Direct Drive
51-100837-07	3/4	1075	2	208,230	1	60	CCW	25/440	5.80	1/2	5-5/8	4-1/2	6	10-1/2	Shell-band	Ball	Blower	Direct Drive
51-101728-07	3/4	1075	2	208,230	1	60	CCW	20/370	2.70	1/2	5-39/64	5	6	11	Shell-band	Sleeve	Blower	Direct Drive
51-19709-01	1	1725	2	230	1	60	CCW	12.5/370	6.50	1/2	5-5/8	2-1/2	7-1/2	10	Shell-band	Sleeve	Blower	Direct Drive

INDOOR BLOWER MOTORS (460V)



OEM Indoor Blower Motors (460V)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 460V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-27212-01	1/3	825	2	460	1	60	CCW	15/370	1.50	1/2	5-5/8	2-1/16	5-1/4	7-5/16	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-23101-10	1/3	825	2	460	1	60	CCW	7.5/370	1.40	1/2	5-5/8	2-3/16	5-1/16	7-1/4	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-102182-01	1/3	1075	2	460	1	60	CCW	15/370	1.10	1/2	5-5/8	2-1/4	5-1/2	7-3/4	Shell-band	Sleeve	Blower	Direct Drive
51-23101-11	1/2	825	1	460	1	60	CCW	10/370	1.70	1/2	5-5/8	3-5/16	5-5/16	8-5/8	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-27212-02	1/2	825	1	460	1	50,60	CCW	20/370	1.90	1/2	5-5/8	3-5/16	5-1/2	8-4/5	Shell-band, Shell-screw	Sleeve	Blower	Direct Drive
51-20470-01	1/2	825	1	460	1	60	CCW	15/370	2.10	1/2	5-5/8	4-7/16	5-1/4	10-1/16	Shell-band	Sleeve	Blower	Direct Drive
51-23679-02	1/2	1075	3	460	1	60	CW	10/370	1.50	1/2	5-5/8	2-1/2	5-1/4	8-5/8	Shell-band	Sleeve	Blower	Direct Drive
51-102182-02	1/2	1075	2	460	1	60	CCW	20/370	1.60	1/2	5-5/8	4-1/4	5-1/4	9-1/2	Shell-band	Sleeve	Blower	Direct Drive
51-100837-08	1/2	1075	2	380-415,460	1	50,60	CCW	20/370	1.20	1/2	5-5/8	4-1/2	5-15/64	9-47/64	Shell-band	Sleeve	Blower	Direct Drive
51-102021-01	1/2	1075	3	460	1	60	CCW	10/370	1.20	1/2	5-39/64	3	4-1/2	7-1/2	Shell-band	Sleeve	Blower	Direct Drive
51-102182-03	3/4	1075	2	460	1	60	CCW	20/370	1.70	1/2	5-5/8	3-3/4	5-3/4	9-1/2	Shell-band	Sleeve	Blower	Direct Drive
51-102021-02	3/4	1075	3	460	1	60	CCW	10/370	2.30	1/2	5-39/64	3	5-47/64	8-3/4	Shell-band	Sleeve	Blower	Direct Drive
51-102182-04	3/4	1075	2	460	1	60	CCW	20/370	1.60	1/2	5-5/8	5	6	11	Shell-band	Sleeve	Blower	Direct Drive
51-22280-01	3/4	1075	1	460	1	60	CCW	10/370	2.40	1/2	5-5/8	3	5-5/16	8-15/16	Shell-band	Sleeve	Blower	Direct Drive
51-100837-10	3/4	1075	2	380-415,460	1	50,60	CCW	25/370	2.50	1/2	5-5/8	4-1/2	6	10-1/2	Shell-band	Ball	Blower	Direct Drive
51-19708-01	1	1725	2	460	1	60	CCW	12.5/370	3.20	1/2	5-5/8	2-1/2	8	10-1/2	Shell-band	Sleeve	Blower	Direct Drive

INDOOR BLOWER MOTORS (575V)



OEM Indoor Blower Motors (575V)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 575V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-22275-02	3/4	1075	1	575	1	60	CCW	10/370	2.30	1/2	5-5/8	3-1/8	5-3/4	8-7/8	Shell-band	Sleeve	Blower	Direct Drive

INDOOR BLOWER MOTORS – PLATFORM MOUNT



OEM Indoor Blower Motors – Platform Mount (Single Phase)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23571-03	3/4	1725	1	208,230	1	60	CCW	15/370	3.40	5/8	7	2	8	10	Platform	Ball	Blower	Belt Drive
51-40638-01	1	3450	1	120,208,230	1	60	CW	N/A	5.80	5/8	5-1/2	1-7/8	9-5/8	11-1/2	Platform	Sleeve	Blower	Belt Drive
51-41949-01	2	3450	1	120,208,230	1	60	CW	N/A	9.50	5/8	6-1/2	2	12-3/16	14-1/4	Platform	Ball	Blower	Belt Drive

INDOOR BLOWER MOTORS – PLATFORM MOUNT



OEM Indoor Blower Motors – Platform Mount (Three Phase)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-42579-01	1/2	1725	1	208,230,460	3	60	Reversible	5/8	5-5/8	1-7/8	8-3/8	10-5/16	Platform	Ball	Blower	Belt Drive
51-22241-02	3/4	1725	1	575	3	60	Reversible	5/8	5-5/8	1-7/8	8-7/8	10-3/4	Platform	Ball	Blower	Belt Drive
51-21909-01	3/4	1725	1	208,230,460	3	60	Reversible	5/8	5-5/8	1-7/8	8-7/8	10-3/4	Platform	Ball	Blower	Belt Drive
51-42177-09	1	1725	1	575	3	60	Reversible	5/8	6-1/2	2	10-11/16	12-11/16	Platform	Ball	Blower	Belt Drive
51-42368-02	1	1725	1	208,230,460	3	60	Reversible	5/8	6-1/2	2-1/4	10-1/16	12-3/8	Platform	Ball	Blower	Belt Drive
51-41936-01	1	1725	1	208,230,460	3	60	Reversible	5/8	6-1/2	1-7/8	8-7/8	10-3/4	Platform	Ball	Blower	Belt Drive
51-42177-10	1-1/2	1725	1	575	3	60	Reversible	5/8	6.5	2	11	13	Platform	Ball	Blower	Belt Drive
51-41936-02	1-1/2	1725	1	208,230,460	3	60	Reversible	5/8	6-1/2	1-7/8	9-1/2	11-3/8	Platform	Ball	Blower	Belt Drive
51-42178-04	1-1/2	1725	1	208,230,460	3	60	Reversible	7/8	6-1/2	2-5/16	8-11/16	11	Platform	Ball	Blower	Belt Drive
51-42369-02	1-1/2	1725	1	208,220,230,380-415,460	3	50,60	Reversible	5/8	6-1/2	1-3/4	10-23/32	13	Platform	Ball	Blower	Belt Drive
51-41727-01	1-1/2	3450	1	230,460	3	60	Reversible	5/8	5-5/8	2	9-13/16	11-7/8	Platform	Ball	Blower	Belt Drive
51-42178-09	2	1725	1	575	3	60	Reversible	7/8	6-1/2	2-9/32	9-23/32	12	Platform	Ball	Blower	Belt Drive
51-42536-02	2	1725	1	575	3	60	Reversible	7/8	6-7/16	2-3/8	11-5/16	13-9/16	Platform	Ball	Blower	Belt Drive
51-42537-04	2	1725	1	208,220,230,380-415,460	3	50,60	Reversible	7/8	6-1/2	2-1/4	11-1/8	13-3/8	Platform	Ball	Blower	Belt Drive
51-42536-01	2	1725	1	208,220,230,380-415,460	3	50,60	Reversible	7/8	6-7/16	2-3/8	11-5/16	13-9/16	Platform	Ball	Blower	Belt Drive
51-42537-02	3	1725	1	575	3	60	Reversible	7/8	6-1/2	2-1/4	10-1/16	13-1/8	Platform	Ball	Blower	Belt Drive
51-42537-01	3	1725	1	208,220,230,380-415,460	3	50,60	Reversible	7/8	6-1/2	2-1/4	11-1/16	13-5/16	Platform	Ball	Blower	Belt Drive
51-21035-02	3	3450	3	208,230,460	3	60	Reversible	5/8	6-1/8	1-7/8	11-1/4	13-13/16	Platform	Ball	Blower	Belt Drive
51-42574-01	5	1725	1	575	3	60	Reversible	1-1/8	7-7/8	3-9/16	11-7/16	15	Platform	Ball	Blower	Belt Drive
51-42177-13	5	1725	1	230,460	3	60	Reversible	1-1/8	8-7/8	2-13/16	10-13/16	13-11/16	Platform	Ball	Blower	Belt Drive
51-40423-10	5	1725	1	230,460	3	60	Reversible	1-1/8	8-1/2	2-3/4	12	14-3/4	Platform	Ball	Blower	Belt Drive
51-42498-07	5	1725	1	208,220,230,380-415,460	3	50,60	Reversible	1-1/8	8-25/32	2-3/4	10-29/32	13-21/32	Platform	Ball	Blower	Belt Drive
51-42498-11	7-1/2	1725	1	575	3	60	Reversible	1-3/8	9-17/32	3-1/4	14-1/32	17-9/32	Platform	Ball	Blower	Belt Drive
51-42177-06	7-1/2	1725	1	208,230,380-415,460	3	60	Reversible	1-3/8	8-9/16	3-3/8	13-15/16	17-1/4	Platform	Ball	Blower	Belt Drive
51-42498-09	7-1/2	1725	1	208,220,230,380-415,460	3	50,60	Reversible	1-3/8	9-1/2	3-1/2	13-3/4	16-3/4	Platform	Ball	Blower	Belt Drive

CONDENSER MOTORS (208/230V)



TRIPSAVER Condenser Motor (208/230V)

TRIPSAVER motors are designed with a high degree of versatility; they will cover the vast majority of service applications requiring a direct drive motor. Stock these reliable motors on your service truck and you'll virtually eliminate those unnecessary trips to get the right motor. A definite must for your service vehicle stocking.

Replaces most residential furnace motors; features include:

- Replaces 208-230V motors from 1/3 to 1/5 horsepower
- 2 speed taps / Reversible rotation
- Operates in all positions
- 36 inch leads with easy to use quick-connect flag terminals



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23053-21	1/6 – 1/3	1075	2	208,230	1	60	Reversible	5/370 (230V), 7.5/370 (208V)	2.60	1/2	5-5/8	3-3/4	4-5/8	8-3/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive

CONDENSER MOTORS (208/230V)



PROTECH Universal W51 Condenser Motors (208/230V)



The PROTECH Universal W51 motors are a line of HVAC replacement motors, manufactured under strict quality standards at one of the world's largest and most modern motor production facilities. Every motor undergoes a variety of stringent tests before it leaves the assembly line.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
W51-12CJA1-01	1/2	1075	1	208,230	1	60	Reversible	10/370	3.25	1/2	5-5/8	6-1/2	5-1/2	12-1/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
W51-13CJA1-01	1/3	1075	1	208,230	1	60	Reversible	7.5/370	2.50	1/2	5-5/8	6-1/2	5-1/8	11-5/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
W51-14CJA1-01	1/4	1075	1	208,230	1	60	Reversible	5/370	1.80	1/2	5-5/8	6-1/2	4-1/8	10-5/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
W51-16CJA1-01	1/6	1075	1	208,230	1	60	Reversible	5/370	1.20	1/2	5-5/8	6-1/2	4-1/8	10-5/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
W51-MHCJA1-01	1/6-1/3	1075	1	208,230	1	60	Reversible	7.5/370	1.92	1/2	5-5/8	6-11/16	4-1/8	10-7/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive



PROTECH Wholesale Condenser Motors (208/230V)



The PROTECH™ series of quality wholesale HVAC motors are designed to fit a variety of common aftermarket applications. Additionally, they are approved as OEM replacements for many Rheem, Ruud, and WeatherKing models; see unit parts lists for cross-reference.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23055-12	1/5	825	1	208,230	1	60	Reversible	5/370	1.30	1/2	5-5/8	3-3/4	4-3/8	8-1/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23055-11	1/5	1075	1	208,230	1	60	Reversible	3/370 (230V), 5/370 (280V)	1.30	1/2	5-5/8	4-1/4	3-9/16	7-13/16	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23054-13	1/4	825	1	208,230	1	60	Reversible	5/370	1.80	1/2	5-5/8	3-3/4	4-1/2	8-1/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23054-11	1/4	1075	1	208,230	1	60	Reversible	5/370	1.80	1/2	5-5/8	5	4-1/16	9-1/16	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23054-14	1/4	1075	1	208,230	1	60	Reversible	5/370	1.80	1/2	5-5/8	5	4	9	Shell-band, Thru-bolt	Sleeve	Cond - Open End	Direct Drive
51-23053-13	1/3	1075	1	208,230	1	60	Reversible	5/370	2.50	1/2	5-5/8	5	4-1/2	9-1/2	Shell-band, Thru-bolt	Sleeve	Cond - Open End	Direct Drive
51-23053-11	1/3	1075	1	208,230	1	60	Reversible	5/370	1.75	1/2	5-5/8	4-1/4	4	8-1/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23053-12	1/3	1075	1	208,230	1	60	Reversible	5/370	2.50	1/2	5-5/8	5	4-9/16	9-9/16	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23052-12	1/2	1075	1	208,230	1	60	Reversible	7.5/370	3.10	1/2	5-5/8	5	4-3/4	9-3/4	Shell-band, Thru-bolt	Sleeve	Cond - Open End	Direct Drive
51-23052-11	1/2	1075	1	208,230	1	60	Reversible	7.5/370	2.90	1/2	5-5/8	5	5	10	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23052-21	1/2	1075	2	208,230	1	60	Reversible	7.5/370	3.30	1/2	5-5/8	3-3/4	5-3/4	9-1/2	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive



Emerson Wholesale Condenser Motors (208/230V)



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1872H	1/8	825	1	208,230	1	60	Reversible	5/370	0.78	1/2	5-5/8	6	4-1/16	10-19/32	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1875H	1/3	825	1	208,230	1	60	Reversible	5/370	2.40	1/2	5-5/8	6	5-1/16	11-19/32	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1870H	1/2	825	1	208,230	1	60	Reversible	10/370	3.30	1/2	5-5/8	6	5-13/16	12-3/8	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1859	1/6	1075	1	208,230	1	60	Reversible	5/370	0.50	1/2	5-5/8	5	3-13/16	9-3/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
1860	1/4	1075	1	208,230	1	60	Reversible	5/370	1.70	1/2	5-5/8	5	4-1/8	9-5/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
3323	1/6 - 1/3	1075	1	208,230	1	60	Reversible	7.5/370	2.00	1/2	5-5/8	6-7/8	4-5/16	11	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1861	1/3	1075	1	208,230	1	60	Reversible	7.5/370 (230V), 10/370 (208V)	2.10	1/2	5-5/8	5	4-5/8	10-1/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
1862	1/2	1075	1	208,230	1	60	Reversible	10/370	3.00	1/2	5-5/8	6	5-5/16	11-7/8	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
1868	3/4	1075	1	208,230	1	60	Reversible	10/370 (230V), 7.5/370 (208V)	4.50	1/2	5-5/8	5	5-13/16	10-5/16	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive

CONDENSER MOTORS (208/230V)



Emerson RESCUE Condenser Motors (208/230V)

You may not know what kind of motor you will need when you get to the job, but with the RESCUE motors on hand, you know you'll have one that will work.

- Replaces a range of different horsepower ratings and applications
- 48 inch leads



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
5464	1/6 – 1/3	825	2	208,230	1	60	Reversible	10/370	1.90	1/2	5-5/8	5	5-1/4	10-1/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
5462	1/6 – 1/3	1075	2	208,230	1	60	Reversible	7.5/370	2.60	1/2	5-5/8	5	4-5/8	9-5/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
5465	1/5 – 1/2	1075	2	208,230	1	60	Reversible	12.5/370	3.50	1/2	5-5/8	5	5-1/4	10-1/4	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive



Emerson Mojave 70C Condenser Motors (208/230V)

- Designed for 158°F (70°C) ambient / Class F insulation
- Special corrosion protection for longer life in humid environments
- 48 inch leads



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1860H	1/4	1075	1	208,230	1	60	Reversible	5/370	1.70	1/2	5-5/8	5	4-1/8	10-5/8	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1861H	1/3	1075	1	208,230	1	60	Reversible	7.5/370	2.10	1/2	5-5/8	5	4-5/8	11-1/8	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1862H	1/2	1075	1	208,230	1	60	Reversible	10/370	3.20	1/2	5-5/8	6	5-1/4	11-7/8	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
1868H	3/4	1075	1	208,230	1	60	Reversible	10/370	4.70	1/2	5-5/8	5	5-7/8	12-3/8	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive



Emerson Mojave 70C RESCUE Condenser Motors (208/230V)

These motors combine the features of both the Emerson RESCUE and Mojave 70C motors into one series.



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (uF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
1874H	1/8 – 1/4	825	1	208,230	1	60	Reversible	5/370	2.10	1/2	5-5/8	6	4-1/4	10-7/8	End-boss, Shell-band, Shell-screw, Thru-bolt	Ball	Condenser	Direct Drive
5462H	1/6 – 1/3	1075	2	208,230	1	60	Reversible	5/370	2.60	1/2	5-5/8	5	4-5/8	9-5/8	Shell-band, Shell-screw, Thru-bolt	Ball	Condenser	Direct Drive
5464H	1/6 – 1/3	825	2	208,230	1	60	Reversible	7.5/370	1.90	1/2	5-5/8	5	5-1/4	10-1/4	Shell-band, Shell-screw, Thru-bolt	Ball	Condenser	Direct Drive

CONDENSER MOTORS (208/230V)



OEM Condenser Motors (208/230V)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-24299-01	1/20	1075	1	208,220,230	1	50,60	CCW	3/370	0.48	1/2	5-5/8	2-1/2	5-9/16	6-7/16	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
51-100999-02	1/10	825	1	208,230	1	60	CCW	3/370	0.75	1/2	5-5/8	2-15/16	4-1/16	7	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-102500-05	1/10	825	1	208,220,230	1	50,60	CCW	5/370	0.60	1/2	5-5/8	2-3/16	3-13/16	6	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-100999-01	1/8	825	1	208,230	1	60	CCW	5/370	1.00	1/2	5-5/8	2-15/16	4-5/16	7-1/4	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-100998-27	1/6	825	1	208,230	1	60	CCW	5/370	0.60	1/2	5-5/8	2	4-1/2	6-1/2	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-102500-03	1/6	825	1	208,220,230	1	50,60	CCW	5/370	0.80	1/2	5-5/8	2-1/16	4-5/16	6-3/8	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-100999-03	1/6	1075	1	208,220,230	1	50,60	CCW	3/370	0.73	1/2	5-5/8	3-7/16	3-13/16	7-1/4	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-21854-17	1/6	1075	1	208,230	1	60	CCW	3/370	0.75	1/2	5-5/8	3-11/16	5-9/16	7-1/4	Shell-band	Sleeve	Condenser	Direct Drive
51-102500-02	1/6	1075	1	208,220,230	1	50,60	CCW	3/370	0.86	1/2	4-13/16	1-5/8	3-13/16	5-7/16	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-102500-04	1/5	825	1	208,220,230	1	50,60	CCW	10/370	1.00	1/2	5-5/8	1-7/8	4-13/16	6-11/16	End-boss, Shell-band	Ball	Condenser	Direct Drive
51-21854-18	1/5	1075	1	208,230	1	60	CCW	3/370	1.25	1/2	5-5/8	3-11/16	5-9/16	7-1/4	Shell-band	Sleeve	Condenser	Direct Drive
51-100999-04	1/5	1075	1	208,220,230	1	50,60	CCW	3/370	1.30	1/2	5-5/8	2-7/16	4-1/16	6-1/2	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-24299-02	1/5	1075	1	208,220,230	1	50,60	CCW	3/370	1.31	1/2	5-5/8	2	4-1/16	6-7/16	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23054-12	1/4	1075	1	208,230	1	60	CCW	N/A	4.60	1/2	5-5/8	4-1/2	4-1/8	8-5/8	Shell-band, Thru-bolt	Sleeve	Cond - Open End	Direct Drive
51-102500-10	1/3	825	1	208,230	1	60	CCW	5/370	1.50	1/2	5-5/8	3	4-9/16	7-9/16	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-21853-21	1/3	1075	1	208,230	1	60	CCW	5/370	1.50	1/2	5-5/8	5-1/8	4-1/2	9-9/16	Shell-band, Shell-screw	Sleeve	Condenser	Direct Drive
51-100998-05	1/3	1075	1	208,220,230	1	50,60	CCW	5/370	1.50	1/2	5-5/8	2	4-7/16	6-7/16	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-100998-25	1/3	1075	1	208,230	1	60	CCW	10/370	1.80	1/2	5-5/8	3-7/16	5	8-2/5	End-boss, Shell-band	Ball	Condenser	Direct Drive
51-42179-01	1/3	1075	1	208,230	1	60	CCW	10/370	1.80	1/2	5-5/8	3-11/16	4-3/4	8-7/16	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
51-100998-13	1/3	1075	1	208,230	1	60	CCW	10/370	1.80	1/2	5-5/8	3-11/16	4-3/4	8-2/5	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-100998-19	1/3	1075	1	208,230	1	60	CCW	10/370	2.00	1/2	5-5/8	3-11/16	5-1/2	9-1/8	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-100998-29	1/3	1075	1	208,230	1	60	CCW	10/370	2	1/2	5-39/64	3-1/4	5-1/2	9-1/8	End-boss, Shell-band	Ball	Condenser	Direct Drive
51-42534-01	1/3	1075	1	208,220,230	1	50,60	CCW	10/370	2.00	1/2	5-5/8	4-1/2	5-1/2	9-15/16	Shell-band	Ball	Condenser	Direct Drive
51-42534-09	1/3	1075	1	208,220,230	1	50,60	CCW	15/370	2.40	1/2	5-5/8	4-1/2	5-1/2	10	Shell-band	Ball	Condenser	Direct Drive
51-42534-13	1/2	1075	1	208,220,230	1	50,60	CCW	15/370	2.30	1/2	5-5/8	4-7/16	5-3/4	10-1/4	Shell-band	Ball	Condenser	Direct Drive
51-42534-05	1/2	1075	1	208,220,230	1	50,60	CCW	15/370	2.60	1/2	5-39/64	2-1/2	6-9/16	9-1/8	Shell-band	Ball	Condenser	Direct Drive
51-42534-16	3/4	1075	1	208,220,230	1	50,60	CCW	10/370	4.20	1/2	5-39/64	4-27/64	6-1/4	10-23/32	Shell-band	Ball	Condenser	Direct Drive
51-42534-19	3/4	1075	1	208,230	1	60	CCW	10/370	4.20	1/2	5-39/64	2-3/4	6-1/4	9	End-boss, Shell-band	Ball	Condenser	Direct Drive

CONDENSER MOTORS (460V)



PROTECH Wholesale Condenser Motors (460V)

The PROTECH™ series of quality wholesale HVAC motors are designed to fit a variety of common aftermarket applications. Additionally, they are approved as OEM replacements for many Rheem, Ruud, and WeatherKing models; see unit parts lists for cross-reference.



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 460V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-23064-12	1/4	825	1	460	1	60	Reversible	7.5/370	0.90	1/2	5-5/8	3-3/4	4-3/4	8-1/2	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive
51-23063-11	1/3	1075	1	460	1	60	Reversible	5/370	1.00	1/2	5-5/8	4-1/4	4-1/8	8-3/8	Shell-band, Shell-screw, Thru-bolt	Sleeve	Condenser	Direct Drive

CONDENSER MOTORS (460V)



Emerson Mojave 70C Condenser Motors (460V)

- Designed for 158°F (70°C) ambient / Class F insulation
- Special corrosion protection for longer life in humid environments
- 48 inch leads



PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 460V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
3736H	1/4	1075	1	460	1	60	Reversible	7.5/370	0.80	1/2	5-5/8	6	4-9/16	11-1/16	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
3737H	1/3	1075	1	460	1	60	Reversible	7.5/370	1.30	1/2	5-5/8	6	5-5/16	11-27/32	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive
3738H	1/2	1075	1	460	1	60	Reversible	10/370	1.50	1/2	5-5/8	6	5-1/2	12	End-boss, Shell-band, Thru-bolt	Ball	Condenser	Direct Drive



OEM Condenser Motors (460V)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 460V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-101774-06	1/6	825	1	460	1	50,60	CCW	5/370	0.35	1/2	5-39/64	2	4-1/2	6-1/2	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-102500-06	1/5	825	1	380-415,460	1	50,60	CCW	5/370	0.60	1/2	5-5/8	1-3/4	5	11863	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-21853-05	1/5	1075	1	460	1	60	CCW	3/370	0.60	1/2	5-5/8	3-3/4	3-3/4	7-7/16	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
51-19704-01	1/4	1075	1	460	1	60	CCW	5/370	1.00	1/2	5-5/8	3-1/4	5-1/16	8-13/16	Shell-band	Sleeve	Cond - Open End	Direct Drive
51-100998-26	1/3	825	1	460	1	60	CCW	5/370	0.80	1/2	5-5/8	3	4-3/4	7-3/4	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-42534-02	1/3	1075	1	380-415,460	1	50,60	CCW	10/370	1.00	1/2	5-5/8	4-1/2	5-1/2	9-15/16	Shell-band	Ball	Condenser	Direct Drive
51-21853-15	1/3	1075	1	460	1	60	CCW	10/370	0.90	1/2	5-5/8	3-11/16	5	8-11/16	Shell-band, Shell-screw	Sleeve	Condenser	Direct Drive
51-42534-10	1/3	1075	1	380-415,460	1	50,60	CCW	15/370	1.10	1/2	5-5/8	4-1/2	5-3/4	10-1/4	Shell-band	Ball	Condenser	Direct Drive
51-100998-07	1/3	1075	1	460	1	60	CCW	5/370	1.00	1/2	5-5/8	3-3/16	4-7/16	7-5/8	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-100998-20	1/3	1075	1	380-415,460	1	50,60	CCW	7.5/370	1.00	1/2	5-39/64	3-9/32	5-1/2	9-3/16	End-boss, Shell-band	Ball	Condenser	Direct Drive
51-100998-12	1/3	1075	1	460	1	60	CCW	10/370	0.90	1/2	5-5/8	3-11/16	5	8-5/8	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-42534-14	1/2	1075	1	380-415,460	1	50,60	CCW	10/370	1.50	1/2	5-5/8	4-7/16	6-1/4	10-3/4	Shell-band	Ball	Condenser	Direct Drive
51-42534-06	1/2	1075	1	380-415,460	1	50,60	CCW	15/370	1.40	1/2	5-5/8	2-1/2	6-13/16	9-3/8	Shell-band	Ball	Condenser	Direct Drive
51-20929-01	1/2	1075	1	460	1	60	CCW	7.5/370	1.80	1/2	5-5/8	3-11/16	4-3/4	8-9/16	Shell-band, Thru-bolt	Sleeve	Cond - Open End	Direct Drive
51-42534-17	3/4	1075	1	380-415,460	1	50,60	CCW	10/370	2.00	1/2	5-5/8	4-7/16	6-1/4	10-3/4	Shell-band	Ball	Condenser	Direct Drive
51-42534-20	3/4	1075	1	460	1	60	CCW	10/370	2.30	1/2	5-39/64	2-1/4	6-3/4	9	End-boss, Shell-band	Ball	Condenser	Direct Drive

CONDENSER MOTORS (575V)



OEM Condenser Motors (575V)

These motors are OEM replacements for Rheem, Ruud, and WeatherKing models; additionally they may be suitable for aftermarket retrofit in many other applications.

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	RUN CAPACITOR (µF/V)	FLA AT 575V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-101774-10	1/5	825	1	575	1	60	CCW	5/370	0.50	1/2	5-5/8	1-3/4	5-1/4	7	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-21569-01	1/4	1075	1	575	1	60	CCW	5/370	0.70	1/2	5-5/8	3-3/4	4-1/4	8	Shell-band, Shell-screw	Sleeve	Condenser	Direct Drive
51-100998-10	1/4	1075	1	575	1	60	CCW	5/370	0.70	1/2	5-5/8	3-2/3	4-7/16	8-1/16	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-42534-11	1/3	1075	1	575	1	60	CCW	5/370	0.80	1/2	5-39/64	4-1/2	6-1/4	10-3/4	Shell-band	Ball	Condenser	Direct Drive
51-100998-28	1/3	1075	1	575	1	60	CCW	7.5/370	0.80	1/2	5-39/64	3-1/4	6	9-21/32	Shell-band, Thru-bolt	Sleeve	Condenser	Direct Drive
51-100998-14	1/3	1075	1	575	1	60	CCW	7.5/370	0.80	1/2	5-5/8	3-11/16	4-3/4	8-2/5	End-boss, Shell-band	Sleeve	Condenser	Direct Drive
51-42534-18	3/4	1075	1	575	1	60	CCW	10/370	1.90	1/2	5-39/64	4-27/64	6-1/4	10-23/32	Shell-band	Ball	Condenser	Direct Drive

DOUBLE-SHAFT MOTORS



Replacement Motors – Double Shaft (120V)

PART NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	FLA AT 120V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
51-21625-01	3/4	1075	2	120	1	60	CCW	9.50	1/2	5-5/8	4	5-1/4	13-1/4	Shell-band	Sleeve	Dual Shaft	Direct Drive
51-23017-32	3/4	1075	3	120	1	60	Reversible	13.30	1/2	5-5/8	4	5-13/16	13-13/16	Shell-band, Thru-bolt	Sleeve	Blower	Direct Drive

GENTEQ EVERGREEN BLOWER MOTORS



The Evergreen is the world's first retrofit ECM blower motor. Contractors can now replace a PSC motor with the Evergreen and give consumers the comfort, efficiency and better airflow control of ECM, in an easy-to-install replacement motor. Note, the Evergreen is not designed to be a generic replacement for a failed ECM, but rather as a substitute for a PSC in an existing HVAC system.



- **Time Saver** – The Evergreen is suitable for a wide variety of aftermarket applications, and can be retrofit for many 48 frame indoor blower motors
 - Multi-voltage – suitable for both 120V and 230V motors
 - 1/2 horsepower Evergreen replaces 6-Pole PSC motors from 1/5 to 1/2 horsepower
 - 1 horsepower Evergreen replaces 6-Pole PSC motors from 1/2 to 1 horsepower

- **IAQ Compatible** – The Evergreen will work well with IAQ products, such as high-efficiency air cleaners and HEPA filters with higher static pressure resistance
- **Energy Saver** – The Evergreen uses up to 25% fewer watts in operating mode and up to 74% fewer watts than a PSC motor in constant fan
- **Other Features**
 - Rotation Sensing Technology™ automatically configures motor to rotate in the correct direction
 - Four speed selections for heating and cooling
 - Low speed constant fan
 - Filtration / Zoning system enabler
 - Two year limited warranty

PART NO	CATALOG NO	HP	HIGH SPEED (RPM)	NO OF SPEEDS	INPUT VOLTAGE	NO OF PHASES	FREQ (Hz)	ROTATION DIRECTION (OSE)	FLA AT 230V (A)	SHAFT DIA (IN)	MOTOR BODY DIA (IN)	OVERALL SHAFT LENGTH (IN)	MOTOR BODY LENGTH (IN)	OVERALL MOTOR LENGTH (IN)	MOUNTING	BEARING TYPE	APPLICATION	DRIVE TYPE
5SME39HXL110	6005	1/2	1075	Variable	120,208,230	1	50,60	Reversible	4.00	1/2	5-5/8	4-29/32	6-11/32	11-1/4	Shell-band	Ball	Blower	Direct Drive
5SME39SXL111	6010	1	1075	Variable	120,208,230	1	50,60	Reversible	6.70	1/2	5-5/8	4-29/32	7-27/32	10-3/4	Shell-band	Ball	Blower	Direct Drive

MOTOR ACCESSORIES



Shaft Adapter Kit – 1/2 Inch to 5/8 Inch

- Includes 1-3/8 in. long adapter collar to increase shaft diameter from 1/2 in. to 5/8 in.
- Includes 3/16 in. x 3/16 in. x 1-3/4 in. key

PART NO	DESCRIPTION
A224	Motor Shaft Adapter (1/2 in. to 5/8 in.)



ECM Motor Tester – TECMate Pro



- The Genteq TECMate PRO service tool is a low cost, easy to use device that will analyze ECM motors independent of the HVAC system; it operates in the basic HVAC settings of fan-only, heating, cooling and de-humidification
- Specially designed to detect and isolate motor failures from other HVAC system failures
- Suitable for use with Genteq (GE) ECM 2.0, 2.3, and 3.0 series motors
- Also includes a 16 to 4 pin connector, ECM Service Guide, and ThinkTank 3.0 service overview

PART NO	DESCRIPTION
510009	TECMate Pro ECM Motor Tester

MOTOR ACCESSORIES



ECM Motor Tester – Variable Speed Zebra

The Variable Speed Zebra connects between the unit's circuit boards and the motor. It operates in-line with the system, in real time, testing both major sections (motor and control boards) simultaneously.

- Monitors and displays the signals going out of the circuit boards, and then either
 - a) passes them along to the motor, or b) allows the operator to interrupt the signals and control all the functions of the motor directly
- Displays the CFM, RPM, and the control voltages being sent to the motor's electronics module
- Simple to operate; only 4 switches

PART NO	DESCRIPTION
VZ-7	Variable Speed Zebra – ECM Motor Tester



ECM and X-13 Motor Surge Protectors

Plug-in surge protectors help protect ECM, X13 and Evergreen motors from transient surges and lightning.

PART NO	DESCRIPTION
VZPRO	ECM Motor Surge Protector
X13PR	Motor Surge Protector (X-13 & Evergreen)

MOTOR ACCESSORIES



Wiring Harnesses for Variable Speed Zebra



PART NO	DESCRIPTION
VZH03	X-13 Motor Adapter (For VZ-7 Tester)
VZH04	Rheem/Ruud Mod 90 Furnace (& Various Coleman/York) Adapter (For VZ-7 Tester)
VZH06	142 Series Outdoor ECM Condenser Motor Adapter (For VZ-7 Tester)



Slinger Rain Shield

- 7 inch diameter black polymer rain shield
- Fits condenser motors with 1/2 inch shaft diameter

PART NO	DESCRIPTION
56-17846-02	Rain Shield Motor Slinger



Motor Case Studs

- Contains four 7 in. long x 8-32 threaded studs
- Includes twelve 8-32 nuts and washers

PART NO	DESCRIPTION
56-23001-03	Bolt Kit – Shell Stud



Blower Motor Belly Band Mounting Kit – Wide Band Type

PART NO	MOTOR FRAME SIZE	NOM MOTOR DIA (IN)	BLOWER MOUNTING BOLT CIRCLE DIA (IN)	NO OF ARMS	RADIAL ARM DISTANCE DIM A (IN)	ATTACHMENT ARM OVERALL LENGTH DIM B (IN)
AS-53148-83	48	5-5/8	10-5/8	3	2-1/2	3-5/8
AS-53148-86	48	5-5/8	11-3/8	3	2-7/8	3-5/8
AS-53148-87	48	5-5/8	13	3	3-11/16	4-1/4
AS-53148-81	48	5-5/8	14-1/8	3	4-1/4	3-5/8
AS-53148-88	42	4-13/16	9-13/16	3	2-1/2	3-5/8
AS-53148-85	42	4-13/16	10-9/16	3	2-7/8	3-5/8
AS-53148-90	42	4-13/16	12-3/16	3	3-11/16	3-5/8
AS-53148-89	42	4-13/16	13-5/16	3	4-1/4	3-5/8



Blower Motor Belly Band Mounting Kit – Wire Type

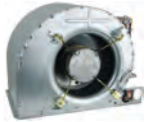
PART NO	MOTOR FRAME SIZE	NOM MOTOR DIA (IN)	BLOWER MOUNTING BOLT CIRCLE DIA (IN)	NO OF ARMS	RADIAL ARM DISTANCE DIM A (IN)	ATTACHMENT ARM OVERALL LENGTH DIM B (IN)
56-23001-09	48	5-5/8	10	3	2-3/16	3-5/16
56-23001-08	48	5-5/8	11	3	2-11/16	3-5/16

MOTOR ACCESSORIES



Blower Motor Belly Band Mounting Kit – Wire Type with Mounting Brackets

PART NO	MOTOR FRAME SIZE	NOM MOTOR DIA (IN)	NO OF ARMS	BLOWER MOUNTING BOLT CIRCLE DIA (IN)	INSERTION DEPTH BLOWER MOUNTING SURFACE TO RING EDGE (IN)
70-24104-81	48	5-5/8	4	13-3/8, 16-1/8, 18-7/8	1/16
70-24104-82	48	5-5/8	4	12-7/8, 14-7/8, 16-7/8	3-1/4



Blower Motor Shell Screw Mounting Kit

PART NO	MOTOR FRAME SIZE	NOM MOTOR DIA (IN)	NOM BLOWER MOUNTING BOLT CIRCLE DIA (IN)	BLOWER MOUNTING BOLT CIRCLE DIA (IN)	NO OF ARMS	SHELL SCREW HOLE SPACING FROM BRACKET END/ MOTOR BUTT END (IN)
AE-58384-81	48	5-5/8	16	13-1/4, 16, 18-3/4	4	1/2, 3/4, 1, 1-1/4, 1-1/2, 1-3/4, 3-5/16
AE-61698-82	48	5-5/8	14-13/16	12-13/16, 14-13/16, 16-13/16	4	1/4, 3/4, 1-1/4, 3-5/16, 4-5/16



Condenser Motor Plate Mount Kit



- Allows use of thru-bolt motors to be mounted in condenser grilles that require shell screw mounting
- Bracket dimensions: 6 in. x 5-7/8 in x 1 in. (Fits many Rheem, Ruud, and WeatherKing grilles)
- Pre-drilled slots and holes work well with thru-bolt patterns on 48 frame motors with the following thru-bolt pattern dimensions:
 - Square pattern: Bolt Circle 5.187 in. (approx 5-3/16 in.), or 3.668 in. (approx 3-43/64 in.) distance between mounting bolts
 - Square pattern: Bolt Circle 5.125 in. (approx 5-1/8 in.), or 3.624 in. (approx 3-5/8 in.) distance between mounting bolts
 - Rectangular pattern: 3.00 in. x 4.25 in. (approx 3 in. x 4-1/4 in.) distance between mounting bolts
- Minor modifications may be necessary with other 42 and 48 frame motors

PART NO	DESCRIPTION
AS-55306-02	Condenser Motor Plate Mount Kit



Condenser Motor Ring Mount Kit

- Fits 48 frame motors (5-5/8 in. diameter)
- Three mounting arms; adjustable for positioning around motor
- Mounting slots allow for a 7 in. to 8-3/16 in. bolt circle diameter
- Mounting arm slot width can accommodate up to 5/16 in. bolt sizes

PART NO	DESCRIPTION
56-23001-05	Condenser Motor Ring Mount Kit



Resilient Rings Kit

- This kit allows for conversion of a thru-bolt motor to fit a resilient type mounting base
- Mounting brackets will fit popular thru-bolt patterns: 3.68 in. x 3.68 in. or 3.63 in. x 3.63 in. square patterns, and 3.00 in. x 4.25 in. rectangular patterns
- Rubber isolator rings are approximately 2-1/2 in. diameter
- Extra metal split rings and an assortment of thru-bolt nuts are provided for securing the mounting brackets

PART NO	DESCRIPTION
56-23001-07	Resilient Ring Kit

