

New Product News

Introducing the new Fasco High Efficiency Blower – the most efficient distribution blower available!

Fasco is pleased to introduce the new High Efficiency Blower – the most efficient distribution blower available on the market today.

This new High Efficiency Blower uses 10% to 30% less energy than standard technology blowers, and offers sound quality that's equal or superior to standard blower systems. Even better, when you pair Fasco's new High Efficiency Blower with energy saving Genteq ECM motors, you get the best high-efficiency blower system available.

Fasco's High Efficiency Blowers feature a forward curved blower system design, multi-speed PSC or Genteq ECM motors, and are available with 10" (10.62 OD) impellers with operating speeds ranging from 500-1300 RPM. They also feature a low profile design that fits most applications, including most HVAC appliances up to 2000 CFM, and are manufactured with proven, industry-accepted impellers. A 24V transformer is included with blowers powered by ECM motors.

These new High Efficiency Blowers are **not designed for retrofit** in existing units, but for general use in standard applications including:

- HVAC appliances such as furnaces, fan coil units, air handlers and ground source heat pumps.
- General air moving applications where low energy usage is important.

For more information about the new Fasco High Efficiency Blower, contact your Fasco Sales Representative or our Customer Service Department at 1-800-325-8313.



High Efficiency Blower (HEB)

High Efficiency Blower Specifications

Stock No.	Impeller Size	HP	Volt	Speeds	Type
E1008	10x8	1/3	115	4	PSC
E2008	10x8	1/3	230	4	PSC
E1010	10x10	1/2	115	4	PSC
E2010	10x10	1/2	230	4	PSC
EX1010	10x10	3/4	115	5	ECM
EX2010	10x10	3/4	208-230	5	ECM
EX1008	10x8	3/4	115	5	ECM
EX2008	10x8	3/4	208-230	5	ECM
EX1108	10x8	3/4 Max	115	5	ECM
EX2108	10x8	3/4 Max	208-230	5	ECM
EX2110	10x10	1 Max	208-230	5	ECM

Comparison Test In Actual Units

HVAC Appliance Specifications	Original Blower	FASCO HEB	Savings
35+ Furnace 120k, 24" cabinet, 1050 cfm @ 0.5" ESP	813 Watts	649 Watts	20.2%
5 Ton Air Handler, 24" cabinet, 1707 cfm @ 0.4" ESP	490 Watts	380 Watts	22.4%
35+ Furnace 80k, 17.5" cabinet, 1050 cfm @ 0.5" ESP	320 Watts	253 Watts	21.0%
35+ Furnace 80k, 17" cabinet, 1040 cfm @ 0.7" ESP	445 Watts	355 Watts	20.2%
5 Ton Air Handler, 24" cabinet, 2250 cfm @ 0.4" ESP	956 Watts	701 Watts	26.7%
80+ Furnace, 17.5" cabinet, 1407 cfm @ 0.5" ESP	392 Watts	329 Watts	16.1%

Congratulations to the Latest Gift Card Recipients in the New Fasco Rewards Program

Congratulations to the following Fasco Rewards Program participants who will receive \$100, \$75 or \$50 gift cards from our August Test drawing! Take the Fasco Rewards Test this month, and your name may be listed in the next issue!

- Bruce Ballinger
- Al Battle
- Lori Cantoria
- Gerald Dargel
- Ronnie Flanary
- Beverly Gehring
- Dick Geiken
- Carlos Gutierrez
- Terry Harwood
- Joe Hiner
- Jary Howley
- Marc Leick
- Denny Mason
- Darci Nichols
- Ron Price
- Mike Proffer
- Andy Schroeder
- Jim Schroeder
- Douglas Schleisman
- Ron Stogsdill
- Paul Thieberger

PLEASE NOTE:
All gift cards need to be used within 12 months.

Answers to August 2011 Fasco Rewards Test

1. B – 20
2. A – True
3. C – Safety pressure switch
4. D – All of the above
5. A – True
6. D – All of the above
7. A – True
8. D – All of the above
9. B – D1110
10. C – Draft Inducer Cross Reference Guide

Tech Tips

Determining Amp Ratings for Replacement Motors

One good way to ensure that a replacement motor has a similar output to a defective motor, when the HP is unknown, is to select a motor with a current rating similar to that of the worn motor. Motors of the same type, stack length, enclosure/ventilation, and current and voltage rating will likely have very similar output.

So as a general rule of thumb, select a replacement motor with a current rating the same as, or not more than 25% greater than, the defective motor. Table A below gives the amp range of an acceptable replacement.

Then, when the proper Fasco replacement motor has been selected and installed, make a final check of the current draw with the motor running in the unit. This check is particularly beneficial when the motor in the application has been replaced before, since the previous replacement motor may not have been correct for the application.

Table B below shows the range within which the motor should be operating under load. For example, if the amps on the nameplate of the replacement motor is 1.6 and it draws 1.7 in the application, it is OK. If it draws 1.1 amps, it is too strong; if it draws 1.8, it is too weak.

Table A

Nameplate Amps of the Defective Motor	Nameplate Amp Range of an Acceptable Replacement
1.00	1.00 - 1.25
1.10	1.10 - 1.37
1.20	1.20 - 1.52
1.30	1.30 - 1.62
1.40	1.40 - 1.75
1.50	1.50 - 1.87
1.60	1.60 - 2.00
1.70	1.70 - 2.13
1.90	1.90 - 2.37
2.00	2.00 - 2.50
2.20	2.20 - 2.75
2.40	2.40 - 3.00
2.60	2.60 - 3.25
2.80	2.80 - 3.50
3.00	3.00 - 3.75
3.30	3.30 - 4.12
3.60	3.60 - 4.50
4.00	4.00 - 5.00
4.40	4.40 - 5.50
4.80	4.80 - 6.00
5.00	5.00 - 6.25
5.50	5.50 - 6.87
6.00	6.00 - 7.50
6.50	6.50 - 8.12
7.00	7.00 - 8.75
7.50	7.50 - 9.37
8.00	8.00 - 10.00
8.50	8.50 - 10.62
9.00	9.00 - 11.25
9.50	9.50 - 11.87
10.00	10.00 - 12.50
10.50	10.50 - 13.12
11.00	11.00 - 13.75
11.50	11.50 - 14.40
12.00	12.00 - 15.00

Table B

Nameplate Amps of the Replacement Motor	Safe Amp Range within which the Motor can Operate in the Application
1.00	0.75 - 1.10
1.20	0.90 - 1.32
1.30	0.98 - 1.43
1.40	1.05 - 1.53
1.50	1.13 - 1.65
1.60	1.20 - 1.76
1.70	1.28 - 1.87
1.80	1.35 - 1.98
1.90	1.43 - 2.09
2.00	1.50 - 2.20
2.20	1.65 - 2.42
2.40	1.80 - 2.64
2.60	1.95 - 2.86
2.80	2.10 - 3.08
3.00	2.25 - 3.30
3.30	2.48 - 3.63
3.60	2.70 - 3.96
4.00	3.00 - 4.40
4.40	3.30 - 4.84
4.80	3.60 - 5.28
5.00	3.75 - 5.50
5.50	4.13 - 6.05
6.00	4.50 - 6.60
6.50	4.88 - 7.15
7.00	5.25 - 7.70
7.50	5.63 - 8.25
8.00	6.00 - 8.80
8.50	6.38 - 9.35
9.00	6.75 - 9.90
9.50	7.13 - 10.45
10.00	7.50 - 11.00
10.50	7.88 - 11.60
11.00	8.25 - 12.10
11.50	8.63 - 12.70
12.00	9.00 - 13.20