Gold Series® fans provide optimum energy efficiency.

camfil FARR
AIR POLLUTION CONTROL



Premium Efficiency Fan Motors

Camfil Farr APC

Premium Efficiency Fan Motor Brochure

Air Pollution Control

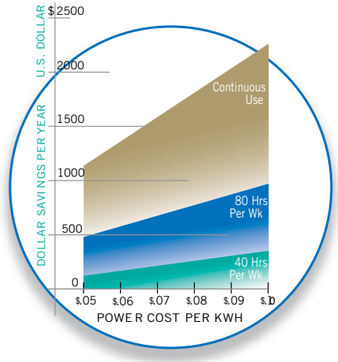
Premium Efficiency Fan Motors

Gold Series® Fans Provide Optimum Energy Efficiency

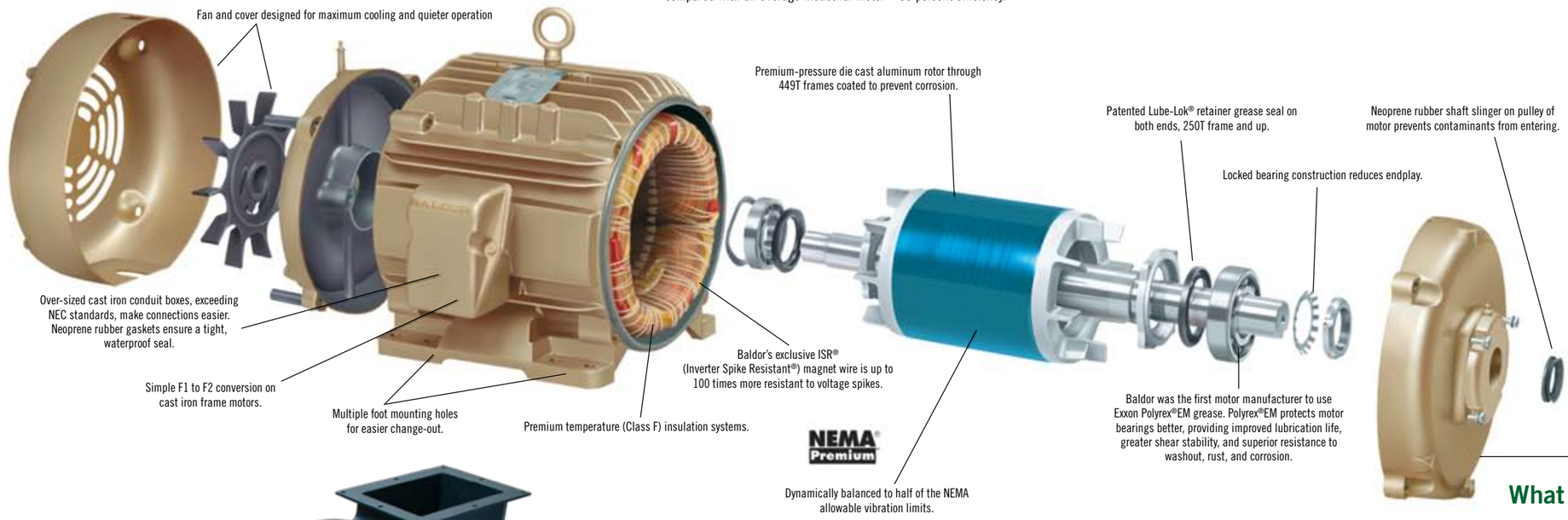
Gold Series Top Mount Fans – Standard Features

- Premium efficiency motors – standard
- Premium efficiency motors can be combined with a VFD to control fan speed and give optimum energy savings.
- Arrangement 4V design for ease of mounting on fan inlet on top of dust collector.
- Drive-side and inlet-side plates are reinforced for structural strength and durability.
- Compact C-Face motor mount direct-connected to housing side
- Wheels are dynamically balanced to specification before assembly in the fan.
- All fans checked at specified running speed after final assembly
- Designed for standard 3600 RPM NEMA TEFC frame motors, 230/460 VAC, 3-phase, 60Hz in stock. 575VAC, 380VAC and 208VAC available. 50Hz is also available.

For more technical and performance information, refer to Gold Series Fans bulletin GSP 100.



Savings from using a 40 Hp Baldor Super-E – 94.5 percent efficiency compared with an average industrial motor – 88 percent efficiency.



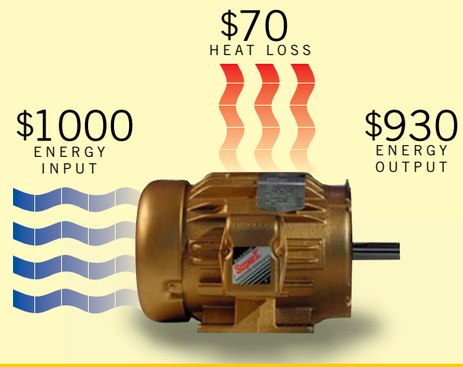


Premium Efficiency Baldor® Motors

All Gold Series fans use Baldor Super-E® premium efficiency motors as standard. The issue of energy efficiency for electric motors and drives is becoming increasingly relevant as electricity costs continue to rise. Companies are now competing in an environment of rising energy costs and the uncertainty of available electricity. These dynamics require the kind of forward-thinking industrial motor supplier that anticipates customer needs and delivers products that save money and improve productivity. That's why Farr has chosen the very best – Baldor motors.

Why is Energy Efficiency Important?

Electric motor-driven systems used in industrial processes consume some 679 billion kWh or 63 percent of all electricity used in U.S. industry, according to a Department of Energy report published in 1998. The report goes on to reveal that industrial motor electricity consumption could be reduced by up to 18 percent if companies were to apply "proven efficiency technologies and practices." Specifically, the DOE recommends motor efficiency upgrades and application improvements. The Energy Independence and Security Act ("EISA"), which was signed into law in 2007, is effective as of December 19, 2010. This law expands the mandated energy efficiency standards from the Energy Policy Act of 1992 (EPAct) for a wider range industrial motors which are manufactured for sale in the United States.



The efficiency of any machine, including an electric motor, is determined by the amount of useful power it produces compared to the amount of electricity required to operate it. The graphic above illustrates how a Baldor Super-E® effectively turns $1,000 in electrical power into $930 worth of mechanical power. Since motor efficiencies are commonly expressed as a percentage, you can see that this Super-E efficiency rating equals 93 percent.

Establish a Partnership with Your Electric Utility to Reduce Energy Costs

There are numerous U. S. electric utilities currently offering rebates to customers who buy premium efficient motors. For certain ratings, rebates can be as Premium as 15 percent of the purchase price for new and retrofit applications. In addition, a number of utility companies have incentive programs focused on decreasing energy use at the application level. Adjustable speed drives and soft starts qualify for these incentives.

What makes Premium Efficiency Fan Motors Better?

Premium-grade copper wire, more iron, annealed laminations with premium-grade steel and insulated oxide coating, superior bearings, large end rings, low-loss fans, and the expertise that enables each Super-E to run cooler and longer with better reliability than any other industrial motor.





The Gold Series dust and fume collector – Looks like a safe because it's built like a safe.






LEAN • GREEN • MANUFACTURING

SAVING YOU MONEY



Fans Ready for Immediate Shipment

Premium performance Camfil Farr APC fans with Baldor® Premium efficiency motors are stocked as standard product in Jonesboro, AR and are available for immediate shipment. Refer to the performance table below.

Fan Series	HP	AIRFLOW (CFM) AT VARIOUS STATIC PRESSURES (IN W.G.)									
		5	6	7	8	9	10	11	12	13	14
FS1	3		1320	1173	989	769	360				
FS2	5							1367	1228	1069	810
FS3	5	2750	2580	2440	2231	2022	1639				
FS4	7.5	4100	3894	3683	3368	3052	2473				
FS5	10	4500	4415	4225	4158	4000	3850	3600	3491	3234	2926
FS6	15	6800	6622	6420	6237	6000	5775	5500	5236	4851	4389
FS7	20	9075	8829	8575	8316	8000	7700	7300	6982	6468	5852
FS8	25	11100	10816	10500	10187	9850	9433	9000	8552	7924	7169
FS9	30	13400	12800	12500	12200	11886	11550	11200	10750	10350	9830
FS10	30	19000	18200	16100	15800	14000					
FS11	40	21200	20200	19000	17800	16100	12800				
FS12	40	24000	23000	21600	20100	18200	15000				
FS13	50	23975	22900	22100	21200	20050	18790	17111	14590		
FS14	50	26300	25300	24350	23300	22050	20620	18775	16000		

Fans available up to 100 Horse Power and above.

031810






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Visit www.camfilfarrapc.com for offices out of North America.

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