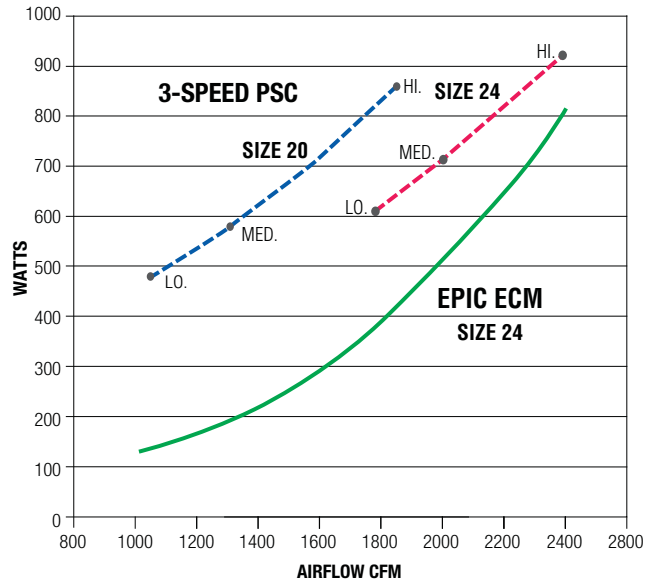
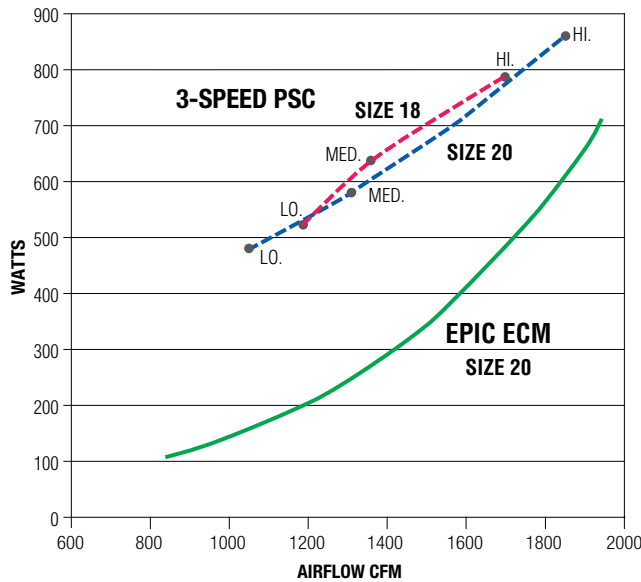
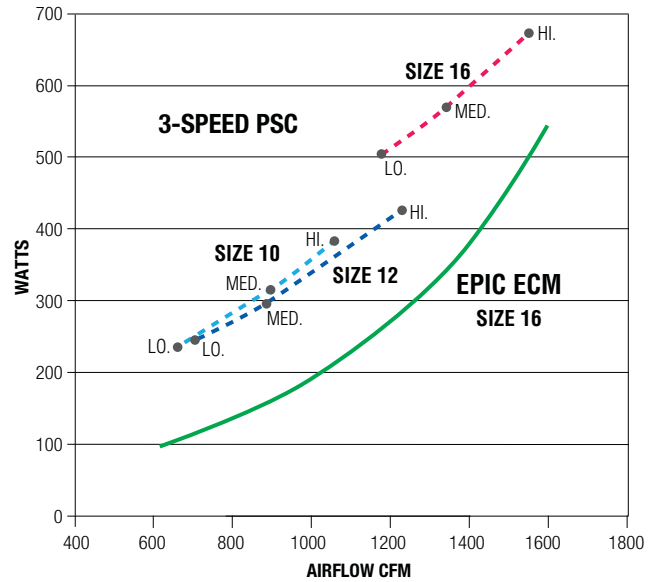
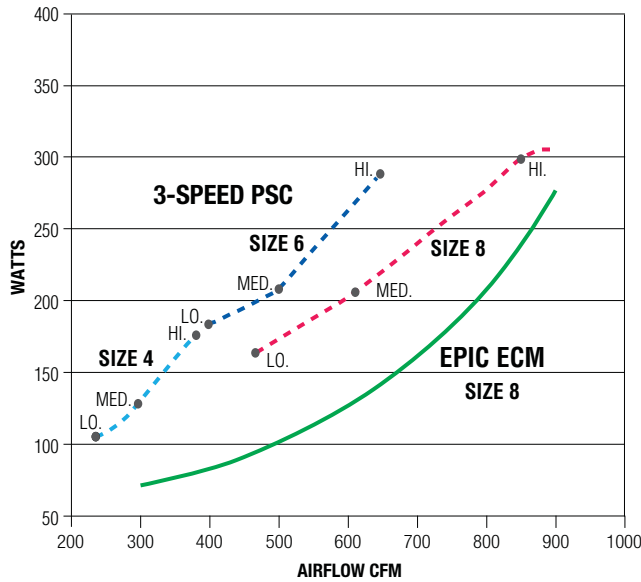


Model Series 35FH • Energy Consumption Comparison Charts EPIC ECM vs. 3-Speed PSC Motors 3 Row Coil, 0.20" w.g. ESP, 277 Volt Motors



Percentage (%) ECM Motor Energy Consumption vs. 3-speed PSC Motor

Unit Size		Airflow Settings		
PSC	ECM	Low	Medium	High
4	8	N/A	54%	43%
6		34%	47%	50%
8		55%	62%	80%
10	16	46%	45%	52%
12		48%	54%	67%
16		52%	60%	75%
18	20	38%	41%	62%
20		34%	43%	71%
24		62%	73%	87%
Average		46%	53%	65%

% = ECM watts/PSC watts x 100

NOTES:

1. The graphs plot and illustrate the difference in motor power consumption in Watts between EPIC ECM and 3-speed PSC motors over the fan flow range for each unit size.
2. The EPIC ECM has a much wider airflow range than a 3-speed PSC, hence the reduced number of sizes required.
3. The EPIC ECM is more energy efficient at all operating points. At high speed airflow PSC Settings, the EPIC ECM power consumption is on average 65% of the PSC motor which is 35% in energy savings. However, most fan coils are designed and sized to operate at medium or low speed most of the time. At medium and low speed airflow settings, the EPIC ECM motor power consumption is on average 54% and 47% respectively compared to the PSC motor. This is 46% and 53% in energy savings. Therefore, energy savings are even more substantial at lower speeds. The savings are even greater when an EPIC ECM variable air volume sequence is selected.