

SUPER PREMIUM EFFICIENCY FLAME PROOF MOTORS



Smart solutions.
Strong relationships.



Flame proof IE4 Motors

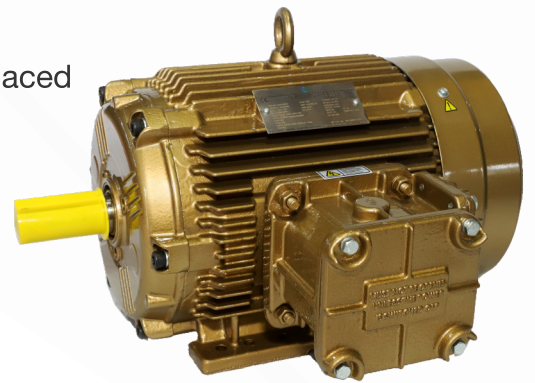
IE4 Apex series motors are next generation of green solution. It complies with new efficiency requirement of IEC60034-1:2017-05 with highest efficiency and lowest payback period. Our super premium efficiency motors delivers highest efficiency ever which ensures even lower payback period over the life cycle of motor. By maximizing the output especially in continuous duty applications, due to energy efficiency, our IE4 motors offers a way to curb energy consumption without limiting your growth and hence reduces CO2 emissions.

Why IE4?

- Highest Efficiency: - Super premium efficiency of apex series motors lead to more energy saving due to the highest efficiency in the segment.
- Early payback: - By maximizing energy saving you get quicker return on the investment.
- More reliable: - Less bearing temperature ensures the extended life of the motor. Hence apex series motors are definitely a long term secured solution for the future.
- Low operation cost: - Due the high efficiency of the motor the operational cost of the motor is very low.
- Low vibration: - Low vibration and low noise of the motors.
- Same Output/Frame ratio: - Lower efficiency motors can be replaced easily with new IE4 FLP Motors as frame size is same.



*We put all our energy
into saving yours!*



Application



Ethanol Plant



Oil & Gas



Petrochemical



Pharmaceuticals

Product Portfolio and performance data

Performance data for IE4 FLP Motors Complying to IE4 Class of IEC60034-30-1:2014 / IS 12615:2018, IEC60079-1:2007

Voltage	415 V +/- 10%	Type	Squirrel cage (SCR)	Ambient	50 Deg C
Frequency	50 Hz +/- 5%	Duty	S1	Temp rise (R)	70 Deg C
Combined	+/- 10%	Insulation	Class 'F' With Class 'B' temp. rise	Degree of Protection	IP55
Temp Class	T4	Gas Group	IIA, IIB, IIC		

Efficiency of the motors as per IEC60034-30-1:2014 / IS 12615:2018

KW	2 Pole		4 Pole		6 Pole	
	Frame	Efficiency %	Frame	Efficiency %	Frame	Efficiency %
0.37	PE80	78.1	PE80	81.1	PE80	78.0
0.55	PE80	81.5	PE80	83.9	PE80	80.9
0.75	PE80	83.5	PE80	85.7	PE90L	82.7
1.1	PE80	85.2	PE90L	87.2	PE90L	84.5
1.5	PE90L	86.5	PE90L	88.2	PE100L	85.9
2.2	PE90L	88.0	PE100L	89.5	PE112M	87.4
3.7	PE100L	89.7	PE112M	90.9	PE132M	89.3
5.5	PE132M	90.9	PE132M	91.9	PE132M	90.5
7.5	PE132M	91.7	PE132M	92.6	PE160L	91.3
9.3	PE160L	92.2	PE160L	93.0	PE160L	91.9
11	PE160L	92.6	PE160L	93.3	PE160L	92.3
15	PE160L	93.3	PE160L	93.9	PE180L	92.9
18.5	PE160L	93.7	PE180L	94.2	PE200L	93.4
22	PE180L	94.0	PE180L	94.5	PE200L	93.7
30	PE200L	94.5	PE200L	94.9	PE225M	94.2
37	PE225L	94.8	PE225S	95.2	PE250M	94.5
45	PE225M	95.0	PE225M	95.4	PE280M	94.8
55	PE250M	95.3	PE250M	95.7	PE280M	95.1
75	PE280M	95.6	PE280M	96.0	PE315M	95.4
90	PE280M	95.8	PE280M	96.1	PE315M	95.6
110	PE315M	96.0	PE315M	96.3	PE315L	95.8
132	PE315M	96.2	PE315M	96.4	PE315L	96.0
160	PE315L	96.3	PE315L	96.6	PE355LX	96.2
200	PE315L	96.5	PE315L	96.7	PE355LX	96.6
250	PE355LX	96.5	PE355LX	96.7	PE355LX	96.6

For 180 frame and above, contact divisional marketing.

Certification:



Registered Office:

CG Power and Industrial Solutions Limited

CG House, 6th Floor, Dr. Annie Besant Road, Worli, Mumbai 400 030, India.

Manufactured By:

CG Power and Industrial Solutions Limited

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