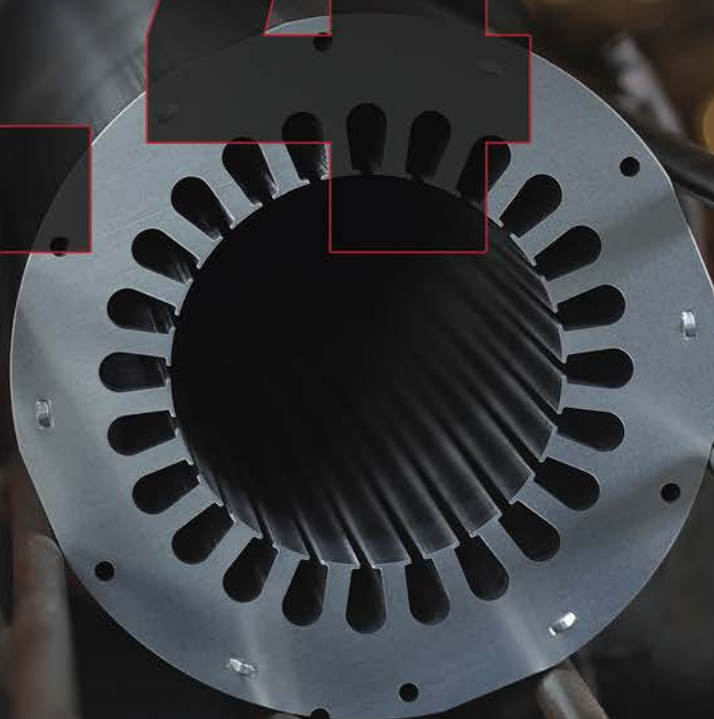


# HINDUSTAN

## ELECTRIC MOTORS

[www.hindmotors.com](http://www.hindmotors.com)

# IE4



**hindustan**  
ELECTRIC MOTORS

Motoring the Wheels of Success

# IE4 ELECTRIC MOTORS

**Energy efficiency** is the main focus area related to reduction of **carbon dioxide (CO2)** emissions and industrial pollution, since CO2 is one of the most dangerous greenhouse gases. Across borders, legislation and **Minimum Energy Performance Standards (MEPS)** are put into force to improve the efficiency of electric motors.

## APPLICATION

**IE4 motors** can be used for a wide variety of applications across industries. Some of the typical applications are

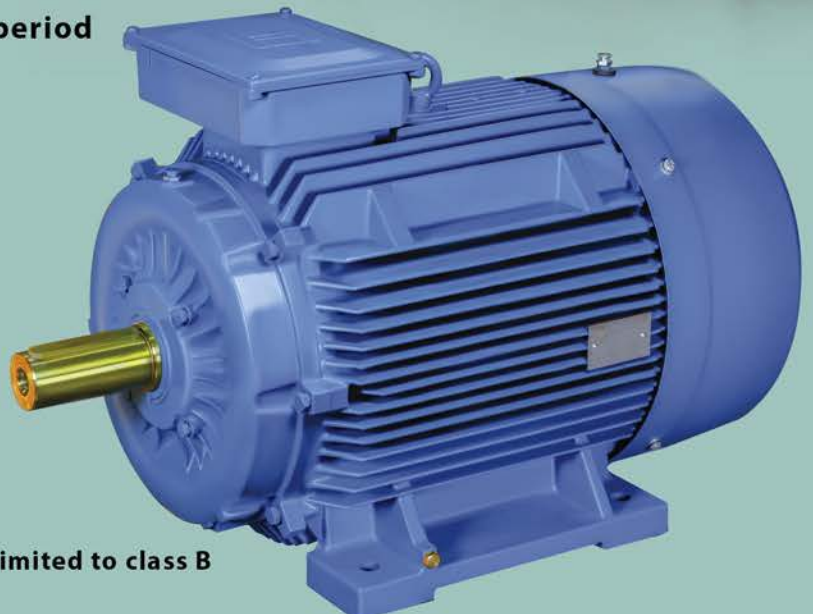
- ⚙️ Fans & HVACs
- ⚙️ Hydraulics
- ⚙️ Pumps
- ⚙️ Compressors & Cooling
- ⚙️ Cement
- ⚙️ Sugar & Paper plants
- ⚙️ Pharma
- ⚙️ Steel & Chemical industries
- ⚙️ Power intensive equipments

## ADVANTAGES

- ⚙️ Saves energy & money
- ⚙️ Near uniform efficiency from 50% to 100% of full load ensuring energy savings even at part load conditions also
- ⚙️ Short payback period
- ⚙️ Substantial savings after payback period

### RANGE hindustan ELECTRIC MOTORS

Frame Size	: 71 to 315
Power	: 0.37 to 200.0 kW
Polarity	: 2P – 8P
Mounting	: B3, B5, B14 & combinations
Voltage	: 415V ±10% or as required
Frequency	: 50Hz ±5% or as required
Protection	: IP55 or superior on request
Ambient	: 50°C
Altitude	: Up to 1000m above m.s.l.
Enclosure	: TEFC
Ins Class	: Class F insulation with temp rise limited to class B











**NOMINAL EFFICIENCY VALUES FOR IE4 MOTORS as per IS:12615-2018**

Output		2P		4P		6P		8P	
KW	HP	Frame Size	Efficiency %	Frame Size	Efficiency %	Frame Size	Efficiency %	Frame Size	Efficiency %
0.18	0.25	-	-	-	-	71	70.1	80	67.2
0.25	0.33	-	-	71	77.9	71	74.1	80	70.8
0.37	0.50	71	78.1	71	81.1	80	78.0	90S	74.3
0.55	0.75	71	81.5	80	83.9	80	80.9	90L	77.0
0.75	1.0	80	83.5	80	85.7	90S	82.7	100L	78.4
1.1	1.5	80	85.2	90S	87.2	90L	84.5	100L	80.8
1.5	2.0	90S	86.5	90L	88.2	100L	85.9	112M	82.6
2.2	3.0	90L	88.0	100L	89.5	112M	87.4	132S	84.5
3.7	5.0	100L	89.7	112M	90.9	132S	89.3	160M	86.8
5.5	7.5	132S	90.9	132S	91.9	132M	90.5	160M	88.3
7.5	10.0	132S	91.7	132M	92.6	160M	91.3	160L	89.3
9.3	12.5	160M	92.2	160M	93.0	160L	91.9	180M	89.9
11.0	15.0	160M	92.6	160M	93.3	160L	92.3	180L	90.4
15.0	20.0	160M	93.3	160L	93.9	180L	92.9	200L	91.2
18.5	25.0	160L	93.7	180M	94.2	200L	93.4	225SX	91.7
22.0	30.0	180M	94.0	180L	94.5	200L	93.7	225MX	92.1
30.0	40.0	200L	94.5	200L	94.9	225MX	94.2	250MX	92.7
37.0	50.0	200L	94.8	225SX	95.2	250MX	94.5	280SX	93.1
45.0	60.0	225M	95.0	225MX	95.4	280SX	94.8	280MX	93.4
55.0	75.0	250M	95.3	250MX	95.7	280MX	95.1	315SX	93.7
75.0	100.0	280S	95.6	280SX	96.0	315SX	95.4	315MX	94.2
90.0	120.0	280M	95.8	280MX	96.1	315MX	95.6	315LX	94.4
110.0	150.0	315S	96.0	315SX	96.3	315MX	95.8	315LX	94.7
132.0	180.0	315M	96.2	315MX	96.4	315LX	96.0	-	-
160.0	215.0	315L	96.3	315LX	96.6	-	-	-	-
200.0	270.0	315L	96.5	315LX	96.7	-	-	-	-



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