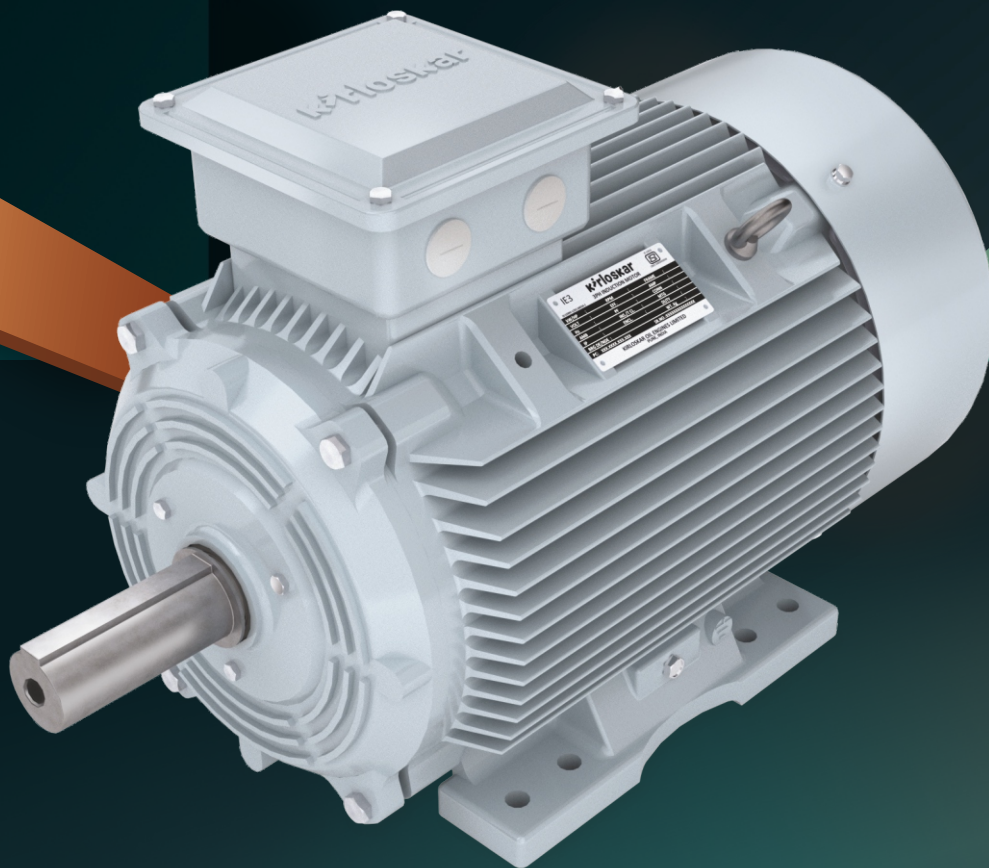


PRODUCT RANGE
3 PHASE INDUCTION MOTORS



Performance Beyond Expectations

1 Top-notch Power factor
Lower reactive power, reduced energy losses and lower bills
Saves money every month

2 DE Locking in all frames
Prevents jerk in the driven equipment and loosening of bearing due to low axial play
Prolonged lifespan of Motors and Equipments

3 Suitable for 55°C without deration
In temperature-varying applications
Consistent performance

4 Suitable for SF 1.15 at 50°C
Adaptable to intermittent overloads
Reliable, Saves cost

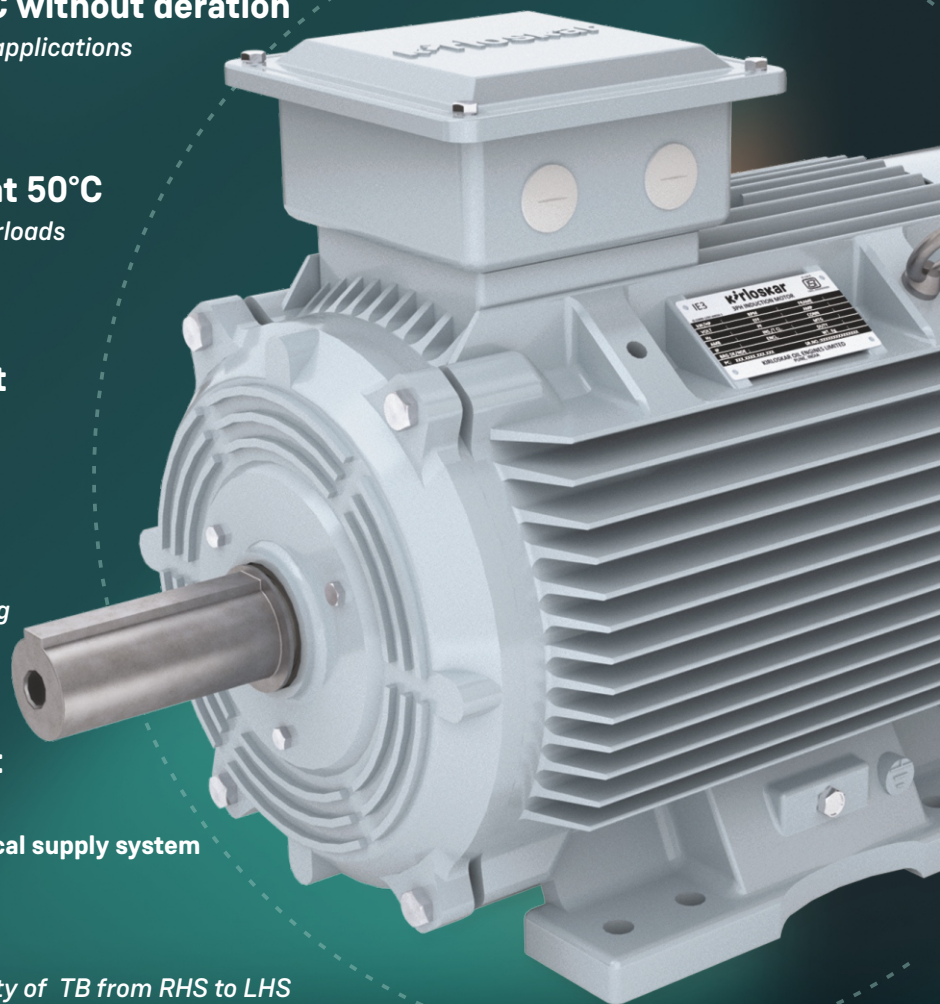
5 Lower Full load Current
Low energy consumption
Reduced carbon footprint

6 Dual mounting holes
Easy replacement of any existing motor of same frame size
Saves money & time

7 Low Starting current
Minimize voltage drops
Reduced burden on electrical supply system

8 Unique design
Easy interchangeability of TB from RHS to LHS and B3 to B35 mounting at site
Saves time & money

9 Suitable for Variable Torque applications
with Class B rise
Highly Reliable & Durable



IE2 & IE3 ALUMINIUM SERIES

Specification

Voltage	415V $\pm$ 10%	Ambient	50°C	Insulation class	F
Frequency	50Hz $\pm$ 5%	Duty	S1	Thermal class	B
Combined variation	10%	Degree of Protection	IP 55	Enclosure	TEFC
Mounting	B3, B5, B35, B14, V1	Terminal box position	TOP	Type of cooling	IC 411
Enclosure material	Aluminium Body and cast iron endshield			IE class : IE2 & IE3 as per IS 12615: 2018	
Altitude	$\leq$ 1000m above MSL	Relative humidity	Up to 95%		

Product Range in kW

Frame	Pole		
	2	4	6
63	0.18	0.12	-
	0.25	0.18	0.12
71	0.37	0.25	0.18
	0.55	0.37	0.25
80	0.75	0.55	0.37
	1.1	0.75	0.55
90S	1.5	1.1	0.75
90L	2.2	1.5	1.1
100L	3.7	2.2	1.5
112M	-	3.7	-
	4	4	2.2



Features

- Detachable feet
- VPI treatment
- NDE locking
- Standard paint shade : RAL 7046 (Anti-corrosive)
- CE marking

*For features, please refer to sales team

IE2 & IE3 CAST IRON SERIES

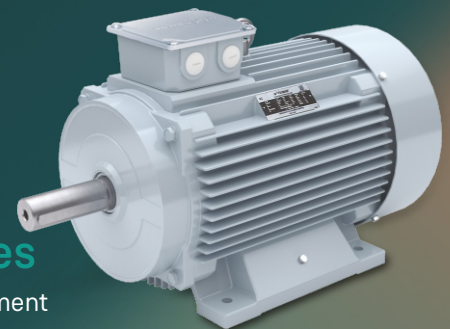
Specification

Voltage	415V $\pm$ 10%	Ambient	50 °C	Insulation class	F
Frequency	50Hz $\pm$ 5%	Duty	S1	Thermal class	B
Combined variation	10%	Degree of Protection	IP 55	Enclosure	TEFC
Mounting	B3, B5, B35	Terminal box position	TOP	Type of cooling	IC 411
Enclosure material	Cast iron			IE class : IE2 & IE3 as per IS 12615: 2018	
Altitude	$\leq$ 1000m above MSL	Relative humidity	Up to 95%		

Product Range in kW

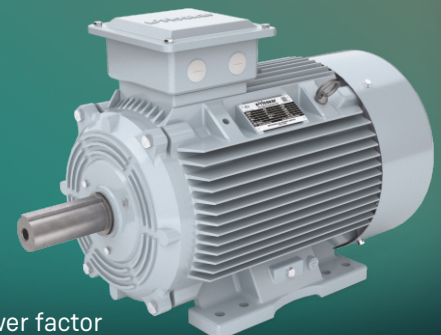
Frame	Pole			
	2	4	6	8
80	0.75	0.55	0.37	0.18
	1.1	0.75	0.55	0.25
90S	1.5	1.1	0.75	0.37
90L	2.2	1.5	1.1	0.55
100L	-	-	-	0.75
	3.7	2.2	1.5	1.1
112M	-	3.7	-	-
	4	4	2.2	1.5
132S	5.5	5.5	3.7	-
132M	7.5	7.5	-	2.2
	9.3	9.3	5.5	3.7
160M	9.3	-	-	-
	11	9.3	-	3.7
	15	11	7.5	5.5
160L	-	-	9.3	-
	18.5	15	11	7.5
180M	22	-	-	9.3
180L	-	22	15	11
200L	30	-	18.5	-
	37	30	22	15
225S	-	37	-	18.5
225M	45	45	30	22
250M	55	55	37	30

Frame	Pole			
	2	4	6	8
280S	75	75	45	37
280M	90	90	55	45
315S	110	110	75	55
315M	-	-	90	-
	132	132	110	75
315L	160	160	132	90
	180	180	160	110
	200	200	180	132
355L	225	225	200	160
	250	250	250	200
	275	275	275	250
	315	315	315	315



Features

- VPI treatment
- DE locking
- Standard paint shade : RAL 7046 (Anti-corrosive)
- B14 & B34 mounting from 80 to 132 frames available
- V1 mounting from 80 to 250 frame available



Features

- Top notch power factor
- DE locking
- VPI treatment
- Suitable for 1.15 service factor at 50 °C ambient
- Lower full load current
- Dual mounting holes
- Low starting current
- Interchangeability

*For features, please refer to sales team

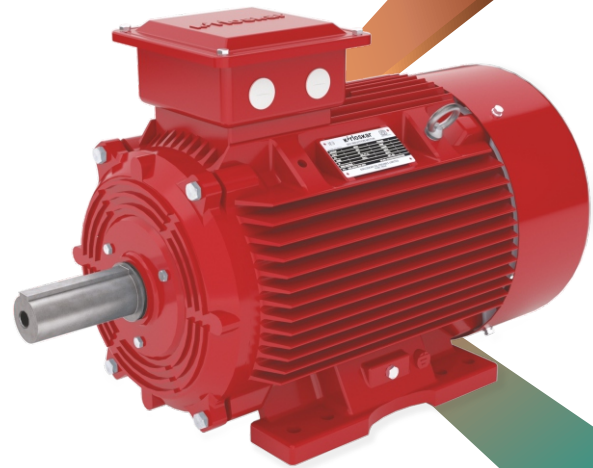
IE2 & IE3 FIREFIGHTING SERIES

Specification

Voltage	415V $\pm$ 10%	Ambient	50 °C	Insulation class	F
Frequency	50Hz $\pm$ 5%	Duty	S1	Thermal class	F
Combined variation	10%	Degree of Protection	IP 55	Enclosure	TEFC
Mounting	B3	Terminal box position	TOP	Type of cooling	IC 411
Enclosure material	Cast iron			IE class : IE2 & IE3 as per IS 12615: 2018	
Altitude	$\leq$ 1000m above MSL	Relative humidity	Up to 95%	Pole	2

Product Range

Frame	IE2 kW	IE3 kW
112M	5.5	-
	7.5	5.5
132S	9.3	7.5
132M	11	11
	15	15
160M	18.5	18.5
160L	22	22
180M	30	-
180L	37	30
200L	45	37
	55	45
225M	55	-
	60	55
250M	67	-
225M	75	-
250M	75	75
	90	90
	110	-
280M	132	-
	150 #	110
	160 #	132
315M	-	160 #
315L	180	180
	200	200
	225	-
	250	-
355L	-	225
	-	250



Features

- 95 °C temperature rise over 50 °C ambient
- Standard paint shade : RAL 3001
- VPI treatment
- DE locking

Ratings suitable for 40 °C ambient / 105 °C temperature rise.

Important: 4 Pole firefighting motors are also available in lower frames, can be offered based on enquiry.

*For features, please refer to sales team

INTRODUCING HT MOTOR RANGE

Specification

Parameters	Features
kW	200 to 1000
Pole	4,6,8 & 10
Voltage	690V, 1000V, 3300V & 6600V
Frequency	50Hz
Ambient temperature	50°C
Temperature rise	70°C
Duty	S1
Degree of protection	IP 55
Enclosure	TEFC, Force cooling
Cooling method	IC 411, IC 416
Method of starting	DOL, VFD, Soft starter
Mounting	B3
Terminal box position	45 ° slant RHS / LHS for easy cable termination
Terminal box	Phase segregated TB for 3300 & 6600V motors

* For more than 1MW and 6.6kV enquiries, please get in touch with KOEL.