

SINCE : 1996



IE Compliance Motor

"Built to Perform Efficiently"



IS :12615



CM/L-7600107314

 **NILKANTH**
ELECTRICALS

0.18 KW to 15 KW

Robust - Reliable - Range

Company Overview

Nilkanth Electricals is a private company established in **1996** to manufacture Electric Motors under brand name of "**RONAK**". Company present in the field of manufacturing and sales of the 1 Phase and 3 Phase AC induction standard and customized motor. Company provide best Quality, Performance, Delivery and Reliable Service at Economical Cost.

Nilkanth Electricals is ISO 9001:2008 certified company with product manufactured is certified by ISI. Product manufactured by Nilkanth Electricals is catering service in industrial sector like Power transmission parts, Gear box, Machine tools, Press, pharmaceuticals and Plastic machinery, Chemical and food processing, agitator, forging and Foundry equipment etc.

The company's manufacturing facilities are located in Rajkot, Gujarat, India. It has state-of-the-art plants for its Electric Motors that have been certified for ISO 9001:2008. Headquartered in Rajkot, it has extensive sales and service network across India.



VISION

To be global leader
in induction
motor
technology



MISSION

To Provide efficient
power transmission
product solution
in industries



VALUES

Providing Best
quality products
continually striving
for the best
through innovative
design.

Nilkanth Electricals is one of the leading indigenous induction motor manufacturing company. We have been serving the across India for more than 2 decades and now, with the advent of a New India we are also on a journey of transforming ourselves into a New product customer-focused and market-driven to provide the best quality, high-tech and innovative products across all sectors for customer orientation and satisfaction.

Managing Director
Mr. Jitendra Patel

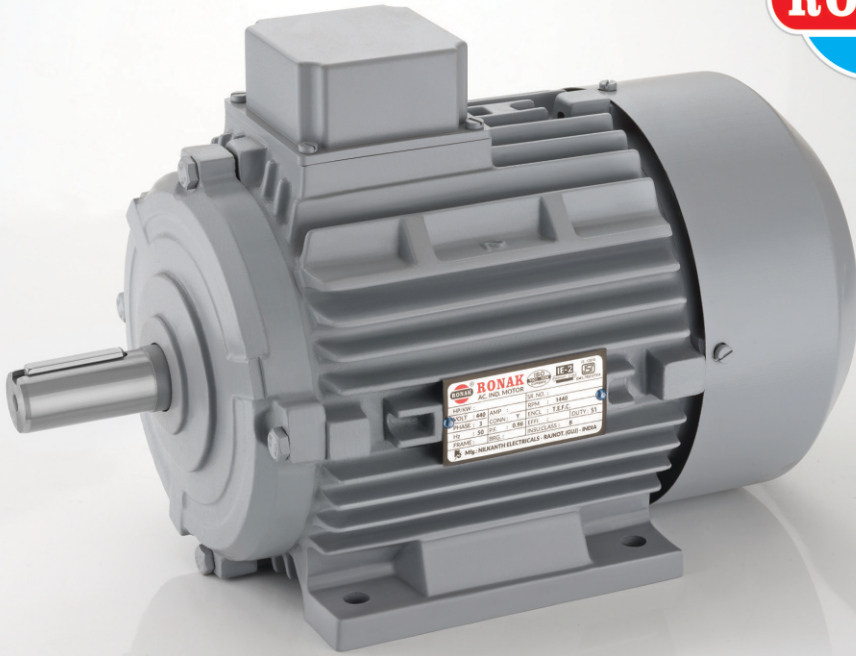
An ISO 9001 : 2008 Company

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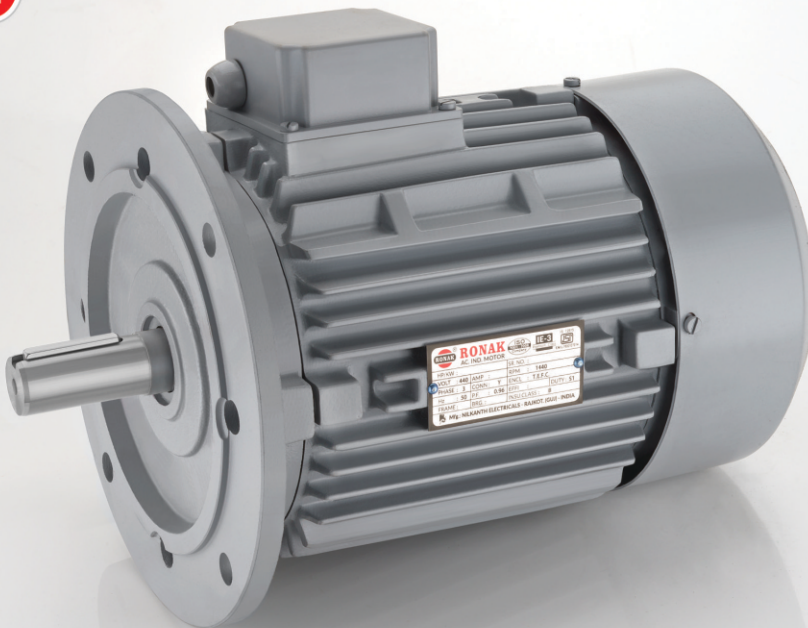




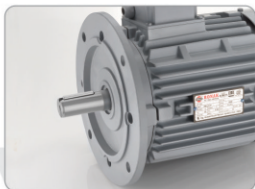
Frames	: 63 to 160	Duty	: S1/ Continues
Rating	: 0.20 KW to 15 KW	Frequency	: 50 Hz (±5%)
Voltage	: 415 V (±10 %)	Enclosure	: TEFC
Poles	: 2 , 4 , 6	Insulation	: Class F
Mounting	: Foot (B3)	Ambient Temp	: 50C°
RPM	: 1000, 1500, 3000	Protection	: IP54
Cooling	: IC 411 (Fan Mounted on Shaft)	Temp rise	: B
Shaft Extn.	: Single	Altitude	: <1000m



Conveyor



3 Phase AC Squirrel Cage Induction Motor



High efficiency class motor (IE2)

Frames	: 80 to 132	Duty	: S1/ Continues
Rating	: 0.37 KW to 7.5 KW	Frequency	: 50 Hz (±5%)
Voltage	: 415 V (±10 %)	Enclosure	: TEFC
Poles	: 2 , 4 , 6	Insulation	: Class F
Mounting	: Flange (B5)	Ambient Temp	: 50C°
RPM	: 1000, 1500, 3000	Protection	: IP54
Cooling	: IC 411 (Fan Mounted on Shaft)	Temp rise	: B
Shaft Extn.	: Single	Altitude	: <1000m

RECOMMENDED USAGE



Centrifuge



Crushers



Separators



Conveyor



Blower/fan



Gear Box



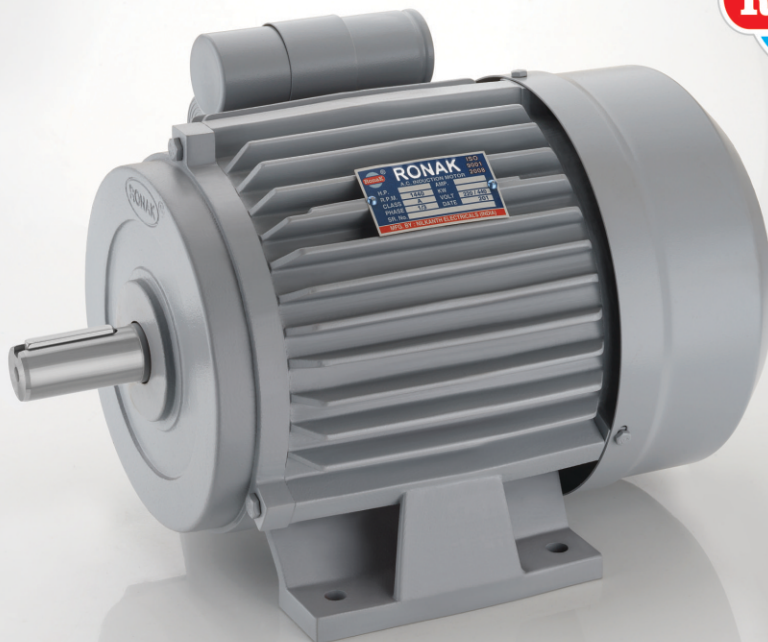
Compressor



Mixers



Screens



1 Phase AC Squirrel Cage Induction Motor



Standard efficiency class motor (IE1)

Frames	: 63 to 132	Duty	: S1/ Continues
Rating	: 0.10 KW to 2.25 KW	Frequency	: 50 Hz (±5%)
Voltage	: 230 V (±10 %)	Enclosure	: TEFC
Poles	: 2 , 4 , 6	Insulation	: Class F
Mounting	: Foot (B3)	Ambient Temp	: 50C°
RPM	: 1000, 1500, 3000	Protection	: IP54
Cooling	: IC 411 (Fan Mounted on Shaft)	Temp rise	: B
Shaft Extn.	: Single	Altitude	: <1000m



RECOMMENDED USAGE



Gear Box



Compressor



Mixers



Screens



Centrifuge



Crushers



Separators



Conveyor



Blower/fan

Performance data for 3 Phase Induction Motor

["Voltage : 415 ±10%" "3Ø" "50Hz ±5%" "TEFC" " Duty : S1" "Insu.Class : F" "Ambient Temp. : 50C° "]

RPM	Sr. No.	HP	KW	Motor Body	Frame	Mounting	FL Amp.	FL PF	FL Eff.	FL Torque	Weight
					(mm)	Foot(FT) / Flange(FL)	(A)	Cos Ø	(η) %	(Nm)	(Kg)
1440	1	0.25	0.20	CI/AL	63	Foot	0.50	0.68	69.85	1.30	5.50.
	2	0.50	0.37	CI/AL	71	Foot	0.75	0.71	70.60	2.80.	8.00
	3	0.50	0.37	CI	80	Foot	1.00	0.72	78.10	4.00	12.00
	4	1.00	0.75	CI	80	Foot	1.50	0.75	79.80	5.20	12.50
	5	1.00	0.75	CI	90	Foot	1.60	0.75	80.20	6.80	17.50
	6	1.50	1.12	CI	90	Foot	2.25	0.77	82.00	7.50	20.50
	7	1.50	1.12	CI	100	Foot	2.50	0.77	82.90	8.40	22.50
	8	2.00	1.50	CI	90	Foot	3.00	0.78	82.75	10.25	22.10
	9	2.00	1.50	CI	100	Foot	3.50	0.79	83.30	12.50	26.50
	10	3.00	2.25	CI	100	Foot	4.50	0.81	84.50	14.65	28.50
	11	3.00	2.25	CI	112	Foot	5.00	0.81	85.70	17.20	34.50
	12	5.00	3.75	CI	112	Foot	7.50	0.80	86.35	26.20	38.00
	13	5.00	3.75	CI	132	Foot	8.50	0.82	87.10	30.00	48.00
	14	7.50	5.50	CI	132	Foot	11.00	0.85	88.20	36.00	56.00
	15	10.00	7.50	CI	132	Foot	14.50	0.85	89.00	50.50	63.50
	16	12.50	9.30	CI	160	Foot	19.30	0.82	89.60	73.20	98.00
	17	15.00	11.00	CI	160	Foot	23.50	0.84	90.10	84.00	107.00
	18	20.00	15.00	CI	160	Foot	31.00	0.85	90.90	97.80	120.00
960	1	0.50	0.37	CI/AL	80	Foot	1.20	0.70	69.80	4.20	12.00
	2	1.00	0.75	CI/AL	90	Foot	2.00	0.72	76.50	8.00	16.50
	3	1.50	1.12	CI	100	Foot	2.75	0.72	78.70	11.20	25.50
	4	2.00	1.50	CI	100	Foot	3.25	0.72	80.00	82.60	27.50
	5	3.00	2.25	CI	112	Foot	5.00	0.75	82.30	84.50	36.50
	6	5.00	3.75	CI	132	Foot	8.00	0.74	84.30	86.00	56.00
	7	7.50	5.50	CI	132	Foot	12.40	0.74	86.40	88.50	63.50
2900	1	0.25	0.20	CI/AL	63	Foot	0.50	0.68	67.00	0.70	5.10
	2	0.50	0.37	CI/AL	71	Foot	1.25	0.74	74.10	1.45	7.00
	3	1.00	0.75	CI	80	Foot	1.70	0.85	77.60	2.78	12.00
	4	1.50	1.12	CI	90	Foot	2.40	0.82	80.00	4.20	16.00
	5	2.00	1.50	CI	90	Foot	3.15	0.82	81.60	5.10	21.00
	6	3.00	2.25	CI	100	Foot	4.10	0.82	83.90	7.60	26.00
	7	5.00	3.75	CI	112	Foot	7.25	0.88	86.10	13.80	33.00
1440	1	0.50	0.37	CI	80	Flange	1.00	0.71	78.10	4.00	12.00
	2	1.00	0.75	CI	80	Flange	1.50	0.75	79.80	5.20	13.10
	3	1.50	1.12	CI	90	Flange	2.25	0.77	82.00	7.50	21.50
	4	2.00	1.50	CI	90	Flange	3.00	0.78	82.75	10.25	22.75
	5	3.00	2.25	CI	100	Flange	4.50	0.81	84.50	14.65	28.90
	6	5.00	3.75	CI	112	Flange	7.50	0.80	86.35	26.20	38.80

* All performance value are subjected to tolerance as per IS/IEC 60034-1.

Performance data for 1 Phase Induction Motor

["Voltage : 230 $\pm$ 10%" "1 $\emptyset$ " "50Hz $\pm$ 5%" "TEFC" " Duty : S1" "Insu.Class : F" "Ambient Temp. : 50C° "]

RPM	Sr. No.	HP	KW	Motor Body	Frame	Mounting	FL Amp.	FL Eff.	Weight
					(mm)	Foot(FT) / Flange(FL)	(A)	(η) %	
1440	1	0.12	0.10	CI	63	Foot	0.50	64.00	5.50.
	2	0.18	0.12	CI	71	Foot	0.60	64.05	6.50
	3	0.25	0.18	CI	71	Foot	1.00	66.00	8.00
	4	0.50	0.37	CI	80	Foot	2.50	67.20	13.00
	5	0.50	0.37	CI	90	Foot	3.00	67.85	16.20
	6	1.00	0.75	CI	90	Foot	5.00	74.00	20.00
	7	1.00	0.75	CI	100	Foot	6.00	79.00	24.00
	8	1.50	1.12	CI	100	Foot	8.00	80.50	32.00
	9	2.00	1.50	CI	112-L	Foot	11.00	83.20	34.00
	10	2.00	1.50	CI	112-H	Foot	12.00	85.00	37.00
	11	3.00	2.25	CI	112	Foot	16.00	86.10	39.50
960	1	0.50	0.37	CI	80	Foot	4.00	68.00	20.00
	2	1.00	0.75	CI	100	Foot	7.00	71.00	32.00
	3	2.00	1.50	CI	112	Foot	13.00	75.00	34.00
	4	3.00	2.25	CI	132	Foot	17.00	79.00	46.00
2900	1	0.25	0.18	CI	63	Foot	0.25	67.00	5.00
	2	0.25	0.18	CI	71	Foot	0.40	68.70	8.00
	3	0.50	0.37	CI	80	Foot	1.50	70.00	11.50
	4	1.00	0.75	CI	80	Foot	3.00	73.00	13.00
	5	1.50	1.12	CI	90	Foot	5.00	74.70	20.00
	6	2.00	1.50	CI	100	Foot	9.00	76.00	32.00
	7	3.00	2.25	CI	112	Foot	12.50	78.90	34.00
Special Products	Sr. No.	HP	KW	Design Model		Type	RPM	FL Amp	Weight (Kg.)
	1	0.25	0.18	Diamond Special		Induction Motor	2800	1.00	11.00
	2	0.50	0.37	Diamond Special		Induction Motor	2800	1.50	13.00

* All performance value observed under standard operating conditions.

Salient Features

- **Longer life** due to provide better heat dissipation design of construction
- Work at higher temperature as we manufactured with **class " F "**
- Protection from dust and dirt entry due to "**IP 54**" construction
- Suitable for higher atmospheric temperature as designed with ambient **50C°**
- Rugged construction as using **graded cast iron** casing with good surface finishing
- **Operates Silently** as low noise and vibration while in operation
- Better performance as inspection and testing as per **ISO 9001 : 2008** Quality system

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ENERGY-SAVING
TECHNOLOGY

 **NILKANTH**
ELECTRICALS

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Mfg.: High Quality Induction Motor (IE2)

We Support:

