



FIRE PUMP MOTORS

TOTALLY ENCLOSED FAN COOLED



0.75 KW - 315 KW

FIRE PUMP MOTORS

National Motors® totally enclosed fan cooled squirrel-cage induction motors are designed and manufactured to meet or exceed the latest IEC standards.



These motors have high efficiency, superior speed-torque and excellent electrical characteristics. These multi-purpose motors are the ideal choice for installation in arduous environmental conditions.

This range offers a variety of induction motors with a power rating of 0.75 kW to high powered motor providing 315 kW. These motors are highly engineered to cope up with sudden load increase, longer thermal life, higher altitudes and voltage variations. All the motors are manufactured under strict quality control procedures (ISO9001) and are fully tested against the applicable standard.

FEATURES

- 1 to 270 horse power rating
- Sheet Steel Fan Cover
- Durable Motor and Components
- Class F insulation
- 50 °C Ambient Temperature rating
- Easy To Service
- Cast Iron construction frame
- Trouble Free Performance
- Heavy Duty Construction
- Stainless Steel name plate
- RAL 3000 Standard red painted

PROTECTION

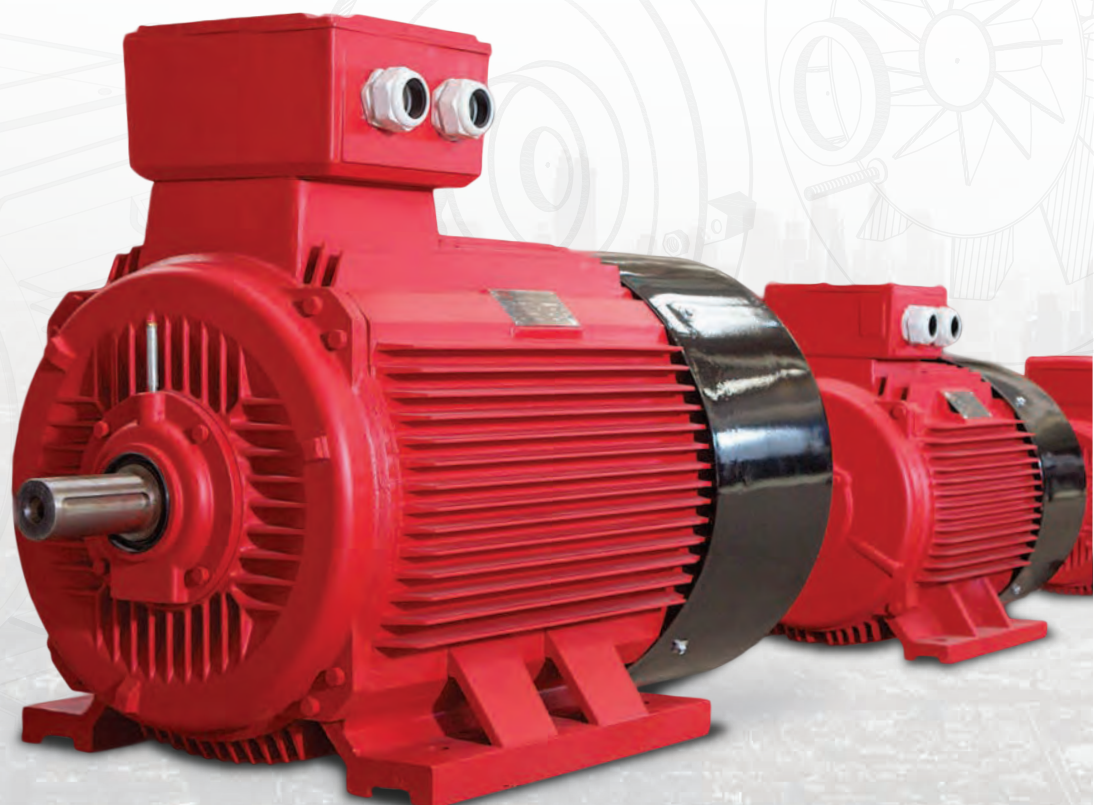
All the motors have IP55 degree of protection. The cooling fan is protected by a cover with a degree of protection IP 2x.

INSULATION

These motors are having Class F insulation. Class F allows a maximum temperature of 155 at the hot spots in the machine.

VOLTAGE

Standard motors are wound for delta voltage of 380-415V with frequency of 50Hz or 220-240, 380-460V at 60Hz.



MOTOR SPECIFICATION

National Motors® totally enclosed fan cooled motor general specification for 50 and 60 Hz.

NATIONAL MOTORS - BUILD TO LAST

Temperature rise	All motors are built to have a maximum winding temperature rise of 80° C under normal operating conditions
Body	The body casting has longitudinal ribs, with integral feet for additional Stability
Shaft	All shaft diameters are machined to fine limits
Bearings	All motors are provided with high quality ball bearings, having full contact seals, prepacked with grease, which under normal , which under normal operating conditions, provide a high degree of operational reliability.
Balance	All motor rotors are dynamically balanced to BS 4999 Part 142

Mains Supply 380-415 V, 50Hz, 3 Phase, 2 Pole

Model	Rated Power kW	Rated Power HP	Rated Speed R.P.M
NM2D50RB801	0.75	1.00	2825
NM2D50RB802	1.10	1.50	2825
NM2D50RB90S	1.50	2.00	2840
NM2D50RB90L	2.20	3.00	2840
NM2D50RB100L	3.00	4.00	2860
NM2D50RB112M	4.00	5.50	2980
NM2D50RB132S1	5.50	7.50	2900
NM2D50RB132S2	7.50	10.00	2900
NM2Y50RB160M1	11.00	15.00	2935
NM2Y50RB160M2	15.00	20.00	2935
NM2Y50RB160L	18.50	25.00	2935
NM2Y50RB180M	22.00	30.00	2940
NM2Y50RB200L1	30.00	40.00	2945
NM2Y50RB200L2	37.00	50.00	2945
NM2Y50RB225M	45.00	60.00	2950
NM2Y50RB250M	55.00	75.00	2965
NM2Y50RB280S	75.00	100.00	2965
NM2Y50RB280M	90.00	125.00	2965
NM2Y50RB315S	110.00	150.00	2975
NM2Y50RB315M	132.00	180.00	2975
NM2Y50RB315L1	160.00	220.00	2975
NM2Y50RB315L2	200.00	270.00	2975

Mains Supply 380-460 V, 60Hz, 3 Phase, 2 Pole

Model	Rated Power kW	Rated Power HP	Rated Speed R.P.M
NM2D60RB801	0.75	1.00	3390
NM2D60RB802	1.10	1.50	3390
NM2D60RB90S	1.50	2.00	3410
NM2D60RB90L	2.20	3.00	3410
NM2D60RB100L	3.00	4.00	3430
NM2D60RB112M	4.00	5.50	3455
NM2D60RB132S1	5.50	7.50	3480
NM2D60RB132S2	7.50	10.00	3480
NM2Y60RB160M1	11.00	15.00	3520
NM2Y60RB160M2	15.00	20.00	3520
NM2Y60RB160L	18.50	25.00	3520
NM2Y60RB180M	22.00	30.00	3530
NM2Y60RB200L1	30.00	40.00	3535
NM2Y60RB200L2	37.00	50.00	3535
NM2Y60RB225M	45.00	60.00	3540
NM2Y60RB250M	55.00	75.00	3560
NM2Y60RB280S	75.00	100.00	3560
NM2Y60RB280M	90.00	125.00	3560
NM2Y60RB315S	110.00	150.00	3570
NM2Y60RB315M	132.00	180.00	3570
NM2Y60RB315L1	160.00	220.00	3570
NM2Y60RB315L2	200.00	270.00	3570

T Series Models

NM2Y50RBT180M	22.00	30.00	2945
NM2Y50RBT200L1	30.00	40.00	2950
NM2Y50RBT200L2	37.00	50.00	2955
NM2Y50RBT225M	45.00	60.00	2960
NM2Y50RBT225M2	55.00	75.00	2965
NM2Y50RBT250M2	75.00	100.00	2970

Higher range and 220 - 240 volt motors are also available. Contact factory.



NATIONAL MOTORS - BUILT TO LAST

National Motors uses integrated design management techniques for enhancing the efficiency and durability of its products.

Reliability, integrity, simplicity in design and ease of maintenance, all endorse the product as a world leader in electric motors.

These motors can reliably work for long hours handling load. The balanced design and superb performance ensure minimum energy consumption.



NATIONAL MOTORS is a registered trade mark of National Fire Fighting Manufacturing FZCO.

NAFFCO

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In line with NAFFCO policy for continuous product development, NAFFCO has the right to change specifications without prior notice.

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