

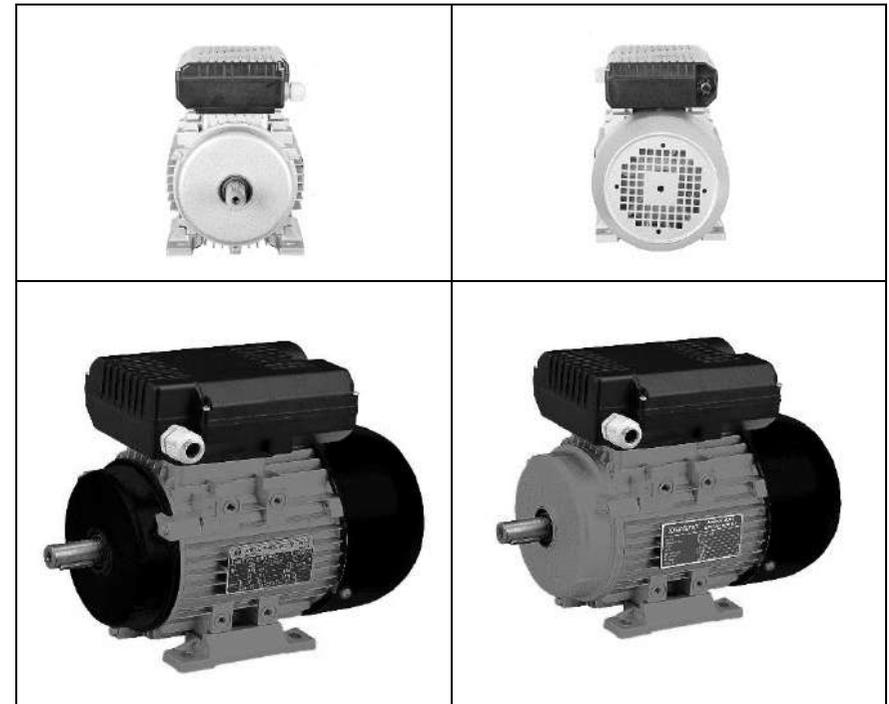
Wide Range of Products for Every Need



KisanKraft®

Electric Motor
KK-IM4-1010/1015/1020

User Manual



For more information give **MISSED CALL: 07676065555**



Many of our products have BIS: ISI certification.



KisanKraft Limited

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- ◆ Bangalore (HO) ◆ Ahmedabad ◆ Bhopal ◆ Bhubaneswar ◆ Coimbatore ◆
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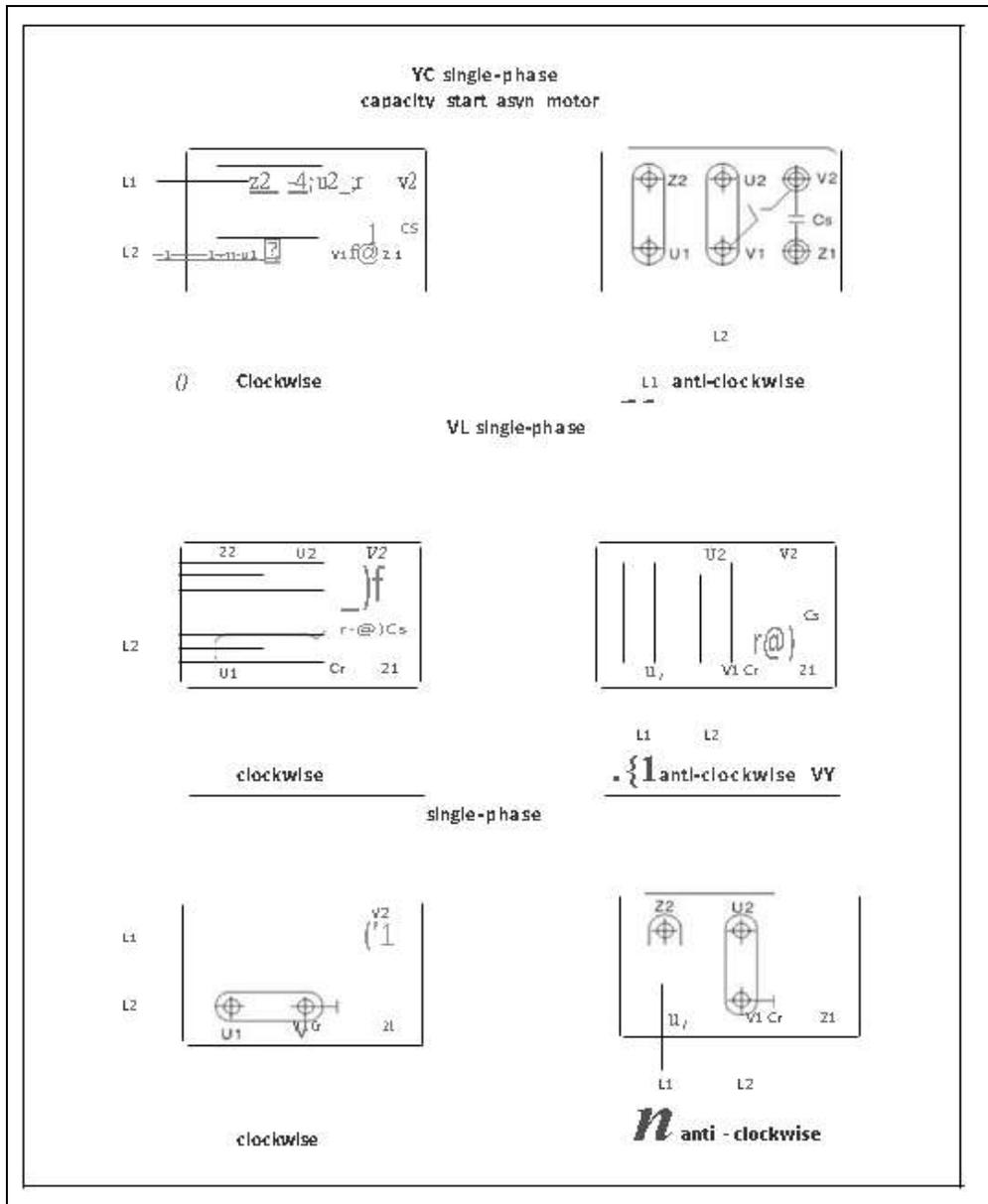
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KisanKraft has a large range of products to serve the farmers. A list of our products is given below:

<p>Brush Cutters and Accessories</p> <ul style="list-style-type: none"> Brush Cutter/Power Weeder Backpack Brush Cutter Tea Pruner Pole pruner with Engine Reaper Attachment Blades-Circular Blades (2 & 3 points) Baffle Nylon Rope Tap & Go <p>Chainsaws</p> <ul style="list-style-type: none"> Petrol Chainsaw Electric Chainsaw Chain Sharpening Machine <p>Engines and Water Pumps</p> <ul style="list-style-type: none"> Engine –Diesel-(Horizontal) Engine –Diesel(Vertical) Engine-Kerosene Water Pump with Petrol Engine Water Pump with Kerosene Engine Water Pump with Diesel Engine <p>Hand Tools</p> <ul style="list-style-type: none"> Secateurs Folding Saw Garden Rake Garden Shovel Hedge Shear Lopper Telescopic Hedge Shear Telescopic Lopping Shear Tree Pruner Telescopic Steel Pipe & Fruit Picker Bag Sheep Shear <p>Garden Tools</p> <ul style="list-style-type: none"> Electric Pressure Washer Hedge Trimmer Lawn Mower (Electric, Petrol & Manual) Leaf Blower 	<p>Cultivators and Accessories</p> <ul style="list-style-type: none"> Petrol and Diesel <p>Sprayers and Accessories</p> <ul style="list-style-type: none"> Battery Sprayer Portable Power Sprayer Trolley Sprayer Manual Knapsack Sprayer Manual Pressure Sprayer Rose Cans Hose Crimping Machine HTP Sprayer HTP Delivery Hose HTP Hose Reel HTP Stand HTP Gun / Lance(Brass Rod) Knapsack Power Sprayer Mister / Duster / Granule Spreader HTP Sprayer Set with Diesel Engine HTP Sprayer Set with Kerosene Engine Fogging Machine <p>Milking Machine</p> <ul style="list-style-type: none"> Wood Shredder Fodder Ensiling Chaff Cutter Fodder Grinder Chaff Cutter Fodder Mini Chaff Cutter <p>Harvester</p> <ul style="list-style-type: none"> Maize Sheller Maize Sheller + Dehusker Maize Combine Harvester Onion Digger Carlotti Italy Tea Leaf Harvester Sugarcane Combine Harvester Sugarcane Leaf Stripper <p>Transplanter and Post Hole Digger</p> <ul style="list-style-type: none"> Paddy Transplanter (2 & 8 Rows) Transplanter-Vegetable & Tobacco Post Hole Digger(4” to 14” Augers)
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Connection Diagram



MOTOR INSTRUCTIONS

1. **Check the insulation resistance:** Before the motor put into operation the insulation resistance bet wee n it's winding, and that of the windings respect to ground with a ohmmeter of 500V. The rate of the resistance is greater than 1.0 mega meter otherwise, the winding should be treated with heat- bake, If it is avail lable a voltage in the range of 1/3 to 1/2 of the rate d value can be applied to get the motor running at no load one hour or so, until the dampness is expelled.
2. **Check the line voltage:** connected the line voltage in accordance with the value indicated on the nameplate of the motors. To the double volt age moto r should be more care the motor volt age and power voltage just the same on the connection plate.
3. **Inspection of the switch:** The specification and capacity of the control switch used should satisfy the requirements indicate d on the name plate of the motor. (Such as current capacity size of fuse, etc.).
4. **Inspect the environment:** The space surrounding the installation size of the motor should be free from any other corrosive gasses. At the same time **prevent water drip s iron chips and cotton fibers are allowed to gain access into the motor.** Ample free space should be provided around the motor to facilitate ventilation and heat dissipation on
5. **Precaution Note:**
6. **Prevent water droplets surrounding the electric motor to avoid damage to human and motor.**
- 7.
8. **Check ground connection:** The frame of the motor should be grounded to insure safety
9. **Rotating Condition of the motor:** Before the motor is installed turn the shaft extension slowly with hand to make sure that the roto r does not rub or knock against the other parts but gives an easy and swift rotation. After the motor has been installed, check the driving belt or the coupler is mounted with good flexibility
10. **Wiring:** Check the wiring connections before the motor is started. The motor can be started only when the wiring connections are made in accordance with the wiring diagram given on the connecting box. I f want to change direction of the motor you may see the wiring diagram to change connection method of the connect ion strip that may change the direction

TECHNICAL DETATILS

Model	KK-IM4-1010	KK-IM4-1015	KK-IM4-1020
Engine Type	Electric		
Rated Power (kW)	0.75 kW(1hp)	1.1kW (1.5hp)	1.5kW(2 hp)
Speed(RPM)	1400		
Frequency	50 Hz		
Voltage	220 v		
Ampere	5.05 A	7.3 A	9.7 A
Winding (Copper)	1.3	1.75	2.01
Poles	4		

centrifugal switch. When

Click, click: and thus cutoff the power supply to the secondary winding with the motor in normal run. When the motor fail to start or when it does start and attain a certain speed but accompanies with shock and shriek instead of the crisp click, cut off the power supply immediately and carefully inspect the centrifugal switch and the capacitor.

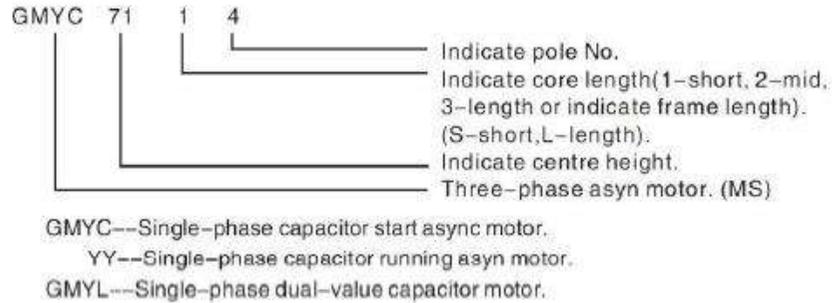
- Periodical inspection should be taken, in order to avert lie possibility of accident and ensure normal operation. Generally maintenance should be done every three months and an overhaul every year. For a maintenance, the dust and dirt must be cleaned away from the external body, and the connecting plate should be kept clean to avoid dampness due to gathered dust, because damped connecting plate often causes creeping, detect the connections of the insulation resistance of windings, check the connection of terminals and grounding cables, and see if the joints of the fixing parts and drive mechanism have loosed. Every found fault must be eliminated. In an over all, the motor must be disassembled. Besides the items which must be done in the maintenance, you should notice the windings if they are in condition, and if the end windings are damaged, you should also clear the inside and outside of the body, observe if the motor's bearing are worn out, and refresh the grease required

Drying

- A damped motor must be dried before using.
- for the drying treatment, motors must not should last for about four hours.

Opinions welcomed

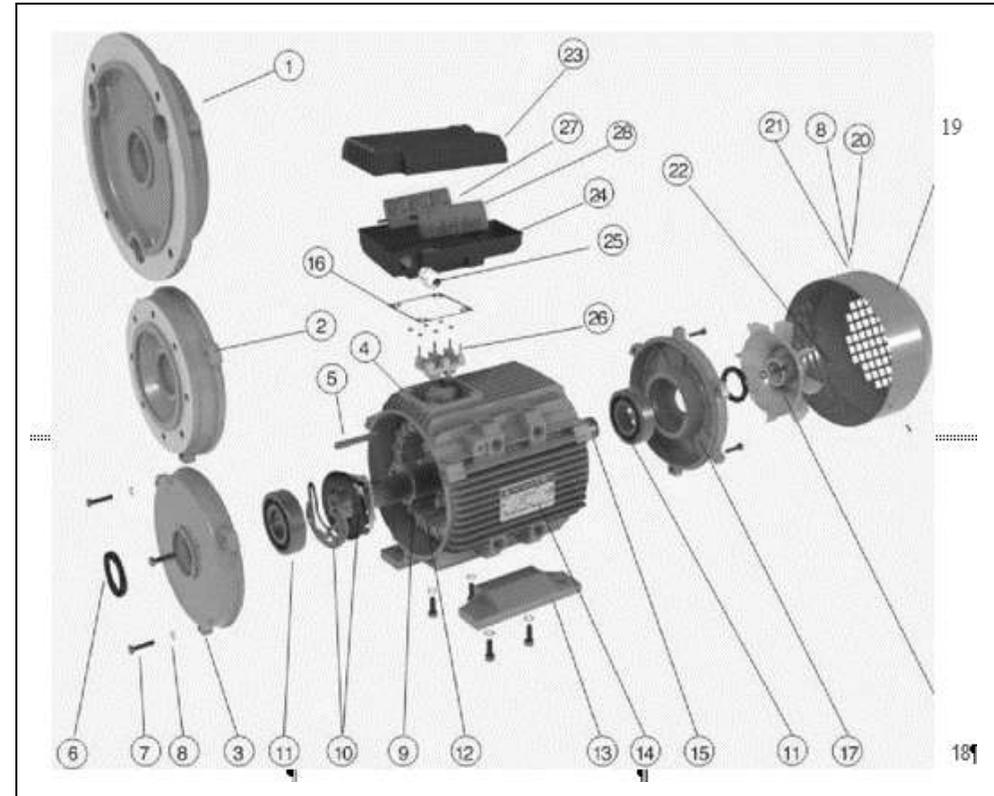
In order to serve our customers well, improve and upgrade the product quality we beg to have your precious opinions to this type of motor, thank you



Maintenance of the motor

1. The motor must be operated according to the ratings on the nameplate and never be overloaded. Cleaning and inspection should be cared and it must be prevented from moistening and from foreign matters entering
2. The readings of relevant instruments, thermometer and maintenance situation should be always noted during operation. The treatments of troubles should be also kept as a reference to the service and maintenance in future days to come Motor H63- 160 with scaled bearings needs not to grease, motors whose frames dimensions are greater than H 180 are equipped with grease filling and draining devices. You can remove the front and rear filling screw plugs to fill grease with a grease gun if it is necessary.
3. The bearings should be filled with lithium base grease No.3 which must be refreshed about every six months. It is found that the colour of grease dark, water drops or dust gathered on the grease, the grease hardened or deteriorated, or the bearing heated up etc, the grease must be refreshed when refreshing, the used grease must be cleaned away, the bearing and its cover must be filled till its quantity reaches .2/3 of the bearing plugs. Temperature of the bearings should be not over 95't when the motor is running.
 (Special low temperature bearings can used on (- 40'C, +140't).
4. Running sound: During operation of the motor there must be needed no rubbing sound shriek and other random noise, should stop the motor in no time and begin to start it again only after correction has been done.
5. To the capacity start motors, one end of the frame mounted with

PART DIAGRAM Electric Motor



1. B5 Flange	11. Bearing	21. Washer
2. B14 Flange	12. Stator	22. Fan Clamp
3. Front End shield	13. Feet	23. Terminal Box Lid
4. Frame	14. Nameplate	24. Terminal BoxBase
5. Key	15. Rotor	25. Cable Gland
6. Oil Seal (V ring)	16. Gasket	26. Terminal Board
7. Bolt	17. Rear End shield	27. Running Capacitor
B. Spring Washer	18. Fan	2B. Starting Capacitor
9. Circlip	19. Fan Cover	
10. Centrifugal Switch	20. Screw	