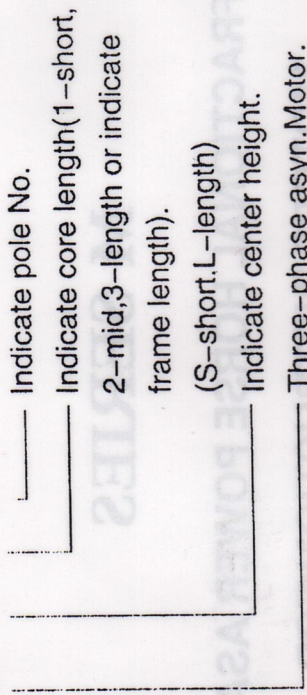


Warranty Statement - Terms and Conditions

- 1 This warranty supplied by Mekken Marine Electrical. A.B.N. 95 384 269 009. REC 14895 (Vic)
15 Carlyle St Orbst, Victoria, 3888, Ph 0408857110
e-mail. simonmekken@gmail.com. fax 03 51 541691
The benefits that you receive under this warranty are in addition to other rights and remedies that you have under law in relation to Mekken Marine Electrical (Pump) product Specifically , our goods come with guarantees that cannot be excluded under Australian Consumer Law You are entitled to a replacement or refund for a major component failure. You are entitled to have the goods repaired or replaced, if the goods fail to be acceptable quality and the failure does not amount to major failure.
- 2 Mekken Marine Electrical warrants, in accordance with and subject to this warranty, that the product will be free of defects in material and workmanship for an period of 12 months or 1,000 hours operation (which ever occurs first) (or a period expressed in writing in any extended warranty product offered by Mekken Marine Electrical)
- 3 The warranty is void if the product is: (1) not installed, housed and operated in accordance with instructions and motor specifications. supplied with the product.; (2) used for purpose other than which it was designed; (3) used for unreasonable periods, or under unreasonable conditions or for periods or in conditions not intended by Mekken Marine Electrical; (4) operated on voltages or frequencies other than that are indicated on the rating plate of the electric motor; (5) modified or adjusted without Mekken Marine Electrical prior written consent; (6) serviced modified or adjusted by a person not trained in servicing electrical driven pumps, modification or adjustment of the product (7) repaired using non genuine spare parts or components (being parts not originally supplied by Mekken Marine Electrical) for the pump (8) missused; not serviced at least annually, or other wise reasonably required for the proper operation of the pump (taking into account work load and surroundings) surface rust can be kept to an minimum by cleaning pump with fresh water periodically (9) run in dry condition, operate at high temprature outside design parameters of the pump.
3.1: This warranty does not cover loss or damage resulting from, or issues arising as an result of:
(1) the installation of the product; (i.e. the warranty applies to defect in workmanship in the product only)
(2) fair wear and tear;
(3) electrical mains power issues; flood , infestation by insects or vermin
(4) exposure to corrosive conditions;
(4) abrasion or corrosion resulting from fluid pumped by the product;
(6) accident or negligence (other than that of Mekken Marine Electrical)
(7) mechanical seals because they are an consumable item
(8) capacitors because they are an consumable item
Note: capacitors and seals may be replaced at the discretion of Mekken Marine Electrical. Though are not covered under this warranty

I. Name of Model:

MS 71 1 4



MC-Single-phase capacitor start asyn motor.

MY-Single-phase capacitor running asyn motor.

ML-Single-phase dual-value capacitor motor.

II. Transportation and Storage of the Motors:

1. Transportation: During transportation, care must be taken to keep the motor in upright position and place it flat, without being inverted or laterally laid. When being craned, it should be lifted or lowered slowly, but not jerky. At the same time it should be kept the rain and dew away from invasion into the machine and making it damp.

2. Storage: The motors should be stored in a dry and well-ventilated indoor storage. Should not be stored in storage, which is full of corrosive gasses.

III. Preliminaries before operation:

1. Check the insulation resistance: Before the motor put into operation the insulation resistance between its winding, and that of the windings respect to ground with a

.1.

megohmmeter of 500V. The rate of the resistance is greater than 1.0 megohm, otherwise, the winding should be treated with heat-baking. If it is available a voltage in the range of 1/3 to 1/2 of the rated 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 voltage motor should be more care the motor voltage 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 indicated on the nameplate 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 drips 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.

5. Check ground connection: The frame of the motor should be grounded to insure safety.

6. Rotating Condition of the motor: Before the motor is installed turn the shaft extension slowly with hand to

.2.

the rear end of the motor base there is furnished a quick-break centrifugal switch. When the motor is started and attains to a certain speed the switch will give a crisp sound of "click, click" and thus cut off the power supply to the secondary winding with the motor in normal run. When the motor fails 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.

V. Overhaul:

In order to insure reliable operation the motor, which should be carried out at regular intervals, usually once a

Make sure that the rotor 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.

7. 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. If want to change direction of the motor you may see the wiring diagram to change connection method of the connection strip that may change the direction.

IV. Maintenance of the motors:

1. Daily cleaning: The motor in use should always be kept clean. No water drops, cotton should be allowed to get into the interior of the motors.

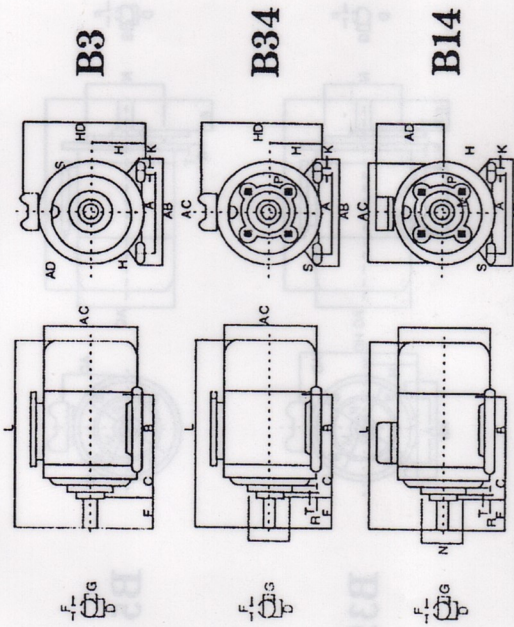
2. Check on load current: While the motor is in operation, constant care should be taken to keep the load current below the rated value.

3. 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

4. Temperature of the bearings should be not over 95 °C when the motor is running.

5. To the capacity start and resistance start motors, rear end of the frame mounted with centrifugal switch. On

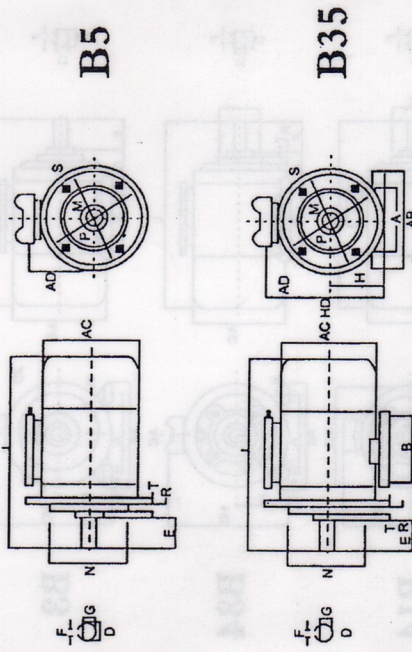
- ▼ D=Shaft Diameter
- M=PCD Fixing Hole
- N=Spigot Diameter
- P=Face (Flange) Diameter



SINGLE PHASE MOTOR INSTALLATION SIZE AND OVERALL DIMENSIONS FOR B3, B14 & B34

Frame No	Installation Size													Installation Size For B14								Overall dimension B3, B14 and B34 (Not more than)							
	A	B	C	D	E	F	G	H	K	M	N	D	S	T	U	A	B	C	HC	L	AD	A	B	C	HC	L	AD		
56	90	71	36	9	20	3	7.2	56	6	65	50	80	M5	2	112	108	149	192	93										
63	100	80	40	11	23	4	8	63	7	75	60	90	M5	2.5	120	120	160	223	97										
71	112	90	45	14	30	5	11	71	8	85	70	105	M6	2.5	135	140	178	250	107										
80	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3	155	160	221	295	141										
90S	140	100	56	24	50	8	2	90	10	115	95	140	M8	3	175	175	250	335	160										
90L	140	125	56	24	50	8	20	90	10	115	95	140	M8	3	175	175	250	335	160										
100L	160	140	63	28	60	8	24	100	13	130	110	160	M8	3.5	200	195	260	430	160										
112M	190	140	70	28	60	8	24	112	13	130	110	160	M8	3.5	226	220	278	440	166										

- ▼ D=Shaft Diameter
- M=PCD Fixing Hole
- N=Spigot Diameter
- P=Face (Flange) Diameter



SINGLE PHASE MOTOR INSTALLATION SIZE AND OVERALL DIMENSIONS FOR B5 & B35

Frame No	Installation Size													Installation Size For B5								Overall dimension B5 and B35							
	A	B	C	D	E	F	G	H	K	M	N	D	S	T	U	A	B	C	HC	L	AD	A	B	C	HC	L	AD		
56	90	71	36	9	20	3	7.2	56	6	100	80	120	8.5	3	112	108	149	192	93										
63	100	80	40	11	23	4	8	63	7	115	95	140	9	3	120	120	160	223	97										
71	112	90	45	14	30	5	11	71	8	130	110	160	10	3.5	135	140	178	250	107										
80	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	155	160	221	295	141										
90S	140	100	56	24	50	8	2	90	10	165	130	200	12	3.5	175	175	250	335	160										
90L	140	125	56	24	50	8	20	90	10	165	130	200	12	3.5	175	175	250	335	160										
100L	160	140	63	28	60	8	24	100	13	215	180	250	15	4	200	195	260	430	160										
112M	190	140	70	28	60	8	24	112	13	215	180	250	15	4	226	220	278	440	166										