

TEXMO[®]



SINGLE PHASE DMH1 MONOBLOCK



INSTALLATION / SPARE PARTS MANUAL

Manufactured by:

AQUAPUMP INDUSTRIES

TUDIYALUR POST
COIMBATORE - 641 034. INDIA

TEXMO SINGLE PHASE DMH1 MONOBLOCK INSTALLATION:

The TEXMO Selfpriming Regenerative Highspeed Monoblock DMH1 Pumpsets are extremely easy to install, ruggedly built and designed for many years of trouble free operation. It should be installed in a place relatively free from dust, fumes and moisture. The vertical distance between the water level at the suction side and the pump should not exceed 25 feet (8 meters). The monoblock should be connected to a single phase 50 Cycles AC supply with voltage ranging from 180-240 Volts. The supply leads are to be connected to the Monoblock terminal marked A1 & A2. The terminal provided at the monoblock base should be properly earthed. This monoblock is intended for use only with clean liquids free from mud, grit, solids etc. The suction pipe should be fitted with a strainer so that no foreign particles will enter. If the strainer is choked, or too small strainer is used, it will reduce the discharge.

PRECAUTIONS:

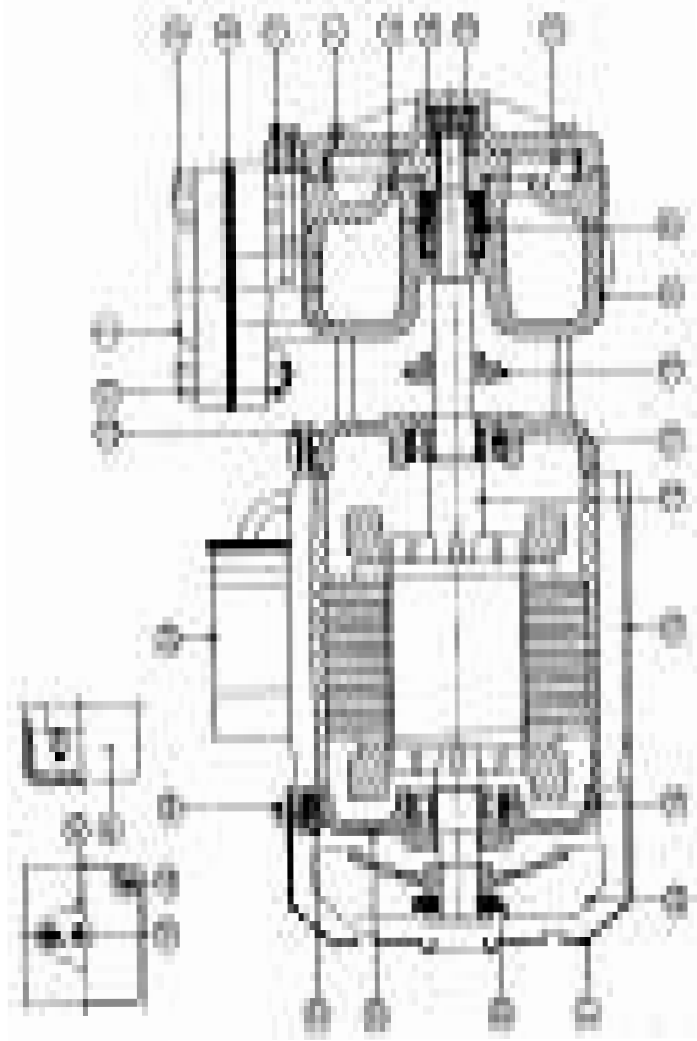
1. Supply leads should be sufficient in size (atleast 3/20 wire) to avoid voltage drop due to leads.
2. Before starting the monoblock for the first time, it should be filled with water.

3. The bottom of the suction pipe should be atleast 1 foot above the bottom of the well or tank to prevent mud from the bottom being sucked into the pump. Also after cleaning the tank, the resulting muddy water should not be pumped out by the monoblock. It should be taken out by other means.
4. The Monoblock should be run for a few minutes once in 3 days to prevent the pumpset from seizing due to rust build-up.
5. Only recommended pipe size should be used. Small pipe sizes, nipples, elbows, bends all give rise to pressure losses and should either be eliminated or used sparingly.
6. Do not wrap the motor with airtight materials such as polythene sheets. If wrapped like that, cooling will not be there and the motor will burn out.
7. Do not throttle the delivery line using a gate valve as this will result in over loading of the motor.

SPARES:

While ordering for spares, the complete name plate details of the monoblock with the required part No. (as per the part list) are to be specified clearly.

Partial



CROSS-SECTIONAL VIEW OF DMH1 MONOBLOCK WITH PART NUMBERS

SPARE PARTS LIST

PART NUMBER	PART NAME	QTY	MATERIAL
1	COVER CASING	1	CAST IRON
3	IMPELLER	1	BRONZE
4	VOLUTE CASING	1	CAST IRON
6	DOME CHAMBER	1	CAST IRON
7	SUC & DELI. FLANGE	2	CAST IRON
8	FLANGE WASHER	2	RUBBER
9	HEX BOLT (SUC & DEL. FLANGE)	4	MILD STEEL
10	HEX NUT (SUC & DEL. FLANGE)	4	MILD STEEL
11	HEX BOLT(COVER CASING &CHAMBER)	4	MILD STEEL
12	ROTOR SHAFT ASSEMBLY	1	ALLOY STEEL
13	IMPELLER NUT	1	BRONZE
14	BUSH SLEEVE	1	SS AISI 410
15	WATER CUTTING RING	1	RUBBER
16	MOTOR FRAME WITH STATOR	1	CAST IRON
19	FRONT & REAR BEARING	2	-
20	BACK COVER	1	CAST IRON
21	COOLING COVER	1	MILD STEEL
22	HEX BOLT (DOME TO MOTOR FRAME)	3	MILD STEEL
23	HEX BOLT(B.COVER TO MOTOR FRAME)	3	MILD STEEL
24	CAPACITOR WITH CLAMP	1	-
29	COOLING FAN	1	PLASTIC
30	SPLIT PIN FOR COOLING FAN	1	MILD STEEL
31	MECHANICAL SEAL ASSEMBLY	1	-
40	TERMINAL BOARD	1	BACK LITE
41	TERMINAL BOX	1	PLASTIC
42	TERMINAL BOX SCREW	1	MILD STEEL
43	TERMINAL BOARD SCREW	1	MILD STEEL
44	COOLING COVER SCREW	3	MILD STEEL

BEARING AND CAPACITOR CHART

Type	HP	Bearing		Motor run Capacitor 440 Volts	Quantity
		Front	Back		
DMH1	0.5	6203ZZ	6203ZZ	15 MFD	1

WARRANTY FOR MONOBLOCK:

Aquapump Industries warrants to the purchaser of this TEXMO product, that for a period of 12 months commencing from the date of purchase of the product, Aquapump Industries will repair or replace free of charge any part or parts of the product, should Aquapump Industries be fully satisfied in its sole discretion, that the defect/s is / are due to faulty material or workmanship only. The warranty will be governed by the following clauses:

1. Aquapump Industries or their Authorised Service Agent / Dealer will repair / replace all parts that are failing due to faulty material or defective workmanship pertaining to the above product.
2. Only Aquapump Industries or its Authorised Service Agent / Dealer can service / repair or attend to install / reinstall the above product.
3. All expenses incurred in collecting the units or parts thereof from the Authorised Service Centre or the Dealer of Aquapump Industries as well as expenses incurred in connection with deputing of service personnel / technicians towards to and fro travel conveyance and other incidentals etc., will be borne by the customer.
4. The warranty extended therein is in lieu of all implied conditions and warranties under the law and is confined to the repair or replacement of defective parts and does not cover any consequential or resulting liability, damage or loss arising from such defects. Further more, the warranty in no case, shall extend to the payment or any monetary consideration whatsoever, of the replacement or return of the product as a whole.
5. The warranty is issued subject to jurisdiction of Coimbatore Court of Law.
6. The warranty is covered by Force Majeure clause. In the event if the above product is struck by any natural calamity, this warranty stands null and void.

This Warranty is not valid in case of any of the following events.

- a. This Pumpset is not used according to the instructions given in this Installation and Operation manual.
- b. If the electrical power supply voltage is not within the stipulated norms.
- c. Any repair work / installation carried out by a person other than Aquapump Industries Service Centre / Service Agent.
- d. The serial Number is deleted, defaced or altered.

WARRANTY CARD

(Please retain this for your personal record)

Product Name & Model No. Serial No.

Name and Address of Dealer

Bill No. Date of Purchase



TEXMO



TEXMO
SUBMERSIBLE PUMP SETS



TEXMO
VERTICAL JET



TEXMO
SINGLE PHASE DOMESTIC PUMPS



AQUATEX
OPEN-WELL MONOBLOCKS-ASM SERIES



AQUATEX
AGRICULTURAL MONOBLOCKS



AQUATEX
ELECTRIC MOTORS

**PUMPS
YOU CAN
RELY ON**