






| MODEL   | D.O.L   |   |   |  |   | Star-Delta  |   |
|---|---|---|---|--|---|---|---|
|   | 3M1-E   | 3M1-D   | 3X1-E   | 3X1-D  | 3X1-P   | 3M1-S   | IC-1  |
| PANEL PHOTO   |  |  |  |  |  |  |  |
| MOST SUITABLE APPLICATION   | SUBMERSIBLE PUMP, MONOBLOCK PUMP etc.   | SUBMERSIBLE PUMP, MONOBLOCK PUMP etc.   | SUBMERSIBLE PUMP, MONOBLOCK PUMP etc.   | SUBMERSIBLE PUMP, MONOBLOCK PUMP etc.  | SUBMERSIBLE PUMP, MONOBLOCK PUMP etc.   | SUBMERSIBLE PUMP, MONOBLOCK PUMP etc.   | SUBMERSIBLE PUMP, MONOBLOCK PUMP etc.   |
| RATED OUTPUT POWER  | 0.75 - 7.5 kW   | 0.75 - 7.5 kW   | 0.75 - 7.5 kW   | 0.75 - 7.5 kW  | 0.75 - 15 kW  | 0.75 - 30 kW  | 1.5 - 250 kW D.O.L / STAR-DELTA   |
| START & STOP VIA PUSH BUTTONS   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| AUTO MODE (WITH BUILT IN WATER LEVEL CONTROLLER)                                | ✗   | ✗   | ✓   | ✓  | ✓   | ✗   | ✓   |
| RATED INPUT VOLTAGE   | AC 380-415 V  | AC 380-415 V  | AC 380-415 V  | AC 380-415 V   | AC 380-415 V  | AC 380-415 V  | AC 380-415 V  |
| FREQUENCY OF OPERATION  | 50 Hz   | 50 Hz   | 50 Hz   | 50 Hz  | 50 Hz   | 50 Hz   | 50 Hz   |
| SHORT CIRCUIT PROTECTION (3 POLE C-CURVE 10 KA MCB)                             | ✗   | ✓   | ✗   | ✓  | ✓   | ✗   | ✓   |
| PUSH BUTTON CALIBRATION   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| OVERLOAD PROTECTION   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| MOTOR STALLED PROTECTION  | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| SENSOR-LESS DRY RUN PROTECTION  | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| UNDER VOLTAGE PROTECTION  | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| OVER VOLTAGE PROTECTION   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| SINGLE PHASING PROTECTION (CURRENT SENSING - INCOMING AS WELL AS OUTGOING SIDE) | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| REVERSE PHASING PROTECTION  | Via Under Current   | ✓   | Via Under Current   | ✓  | ✓   | Via Under Current   | ✓   |
| VOLTAGE UNBALANCE PROTECTION  | ✗   | ✓   | ✗   | ✓  | ✓   | ✓   | ✓   |
| OPTION OF AUTO START AFTER POWER RECOVERY                                       | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| SELF RECOVERY AGAINST FAULTS  | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| LCD SCREEN DISPLAYING MOTOR RUNNING STATUS                                      | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   | ✓   |
| SUITABLE FOR OPERATION VIA TRANSMITTER  | ✗   | ✗   | ✗   | ✗  | ✓   | ✗   | OPTIONAL  |
| HIGH TEMPERATURE PROTECTION (THERMISTOR)  | ✗   | ✗   | ✗   | ✗  | ✓   | ✗   | ✗   |
| PROTECTION AGAINST MOISTURE   | ✗   | ✗   | ✗   | ✗  | ✗   | ✗   | OPTIONAL  |
| LAST FIVE FAULTS INFORMATION  | ✗   | ✗   | ✗   | ✓  | ✓   | ✗   | ✓   |
| RUN HOURS INFORMATION   | ✗   | ✗   | ✗   | ✓  | ✓   | ✓   | ✓   |
| RS 485 - MODBUS COMMUNICATION   | ✗   | ✗   | ✗   | ✗  | ✓   | ✗   | ✓   |
| SUITABLE FOR OH TANK FILLING VIA FLOAT SWITCH                                   | ✗   | ✗   | ✓   | ✓  | ✓   | ✗   | ✓   |
| SUITABLE FOR WATER TRANSFER FROM UG TO OH TANK VIA FLOAT SWITCH                 | ✗   | ✗   | ✓   | ✓  | ✓   | ✗   | ✓   |
| SUITABLE FOR PRESSURE BOOSTING VIA PRESSURE SWITCH                              | ✗   | ✗   | ✓   | ✓  | ✓   | ✗   | ✓   |
| SUITABLE FOR DRAINAGE VIA FLOAT SWITCH  | ✗   | ✗   | ✓   | ✓  | ✓   | ✗   | ✓   |
| ANTI-JAMMING PROTECTION FEATURE   | ✗   | ✗   | ✗   | ✗  | ✓   | ✗   | ✓   |
| LCD SCREEN LOCK IN AUTO MODE OPERATION  | ✗   | ✗   | ✗   | ✓  | ✓   | ✗   | ✓   |
| WORKING TEMPERATURE RANGE   | -10 to 55 DEG   | -10 to 55 DEG   | -10 to 55 DEG   | -10 to 55 DEG  | -10 to 55 DEG   | -10 to 55 DEG   | -10 to 55 DEG   |
| ENCLOSURE DEGREE OF PROTECTION  | IP 22   | IP 55   | IP 22   | IP 55  | IP 55   | IP 42   | IP 42 to IP 65  |
| UNIT DIMENSIONS   | 160 X 170 X 90 MM   | 197 X 250 X 115 MM  | 160 X 170 X 90 MM   | 225 X 190 X 115 MM   | 197 X 250 X 115 MM  | AS PER RATING   | AS PER RATING   |