



# नये दौर का नया ड्युक

PUMPS | MOTORS | CABLES | SOLAR PUMPS

## PANEL & CONTROLLERS



An ISO 9001:2015 certified company



# SUBMERSIBLE CONTROL PANEL & STARTER

## SINGLE PHASE OPENWELL PUMP STARTER

### SPECIFICATION

- Weather Proof Plastic Enclosure
- Thermal Overload Protection by MCB
- With Run Capacitor (0.5/1.0 HP)
- With Start & Run Capacitor (1.5/2.0 HP)



kW / HP	START CAPACITOR (MFD)	RUN CAPACITOR (MFD)	MCB (Amp.)
0.37 / 0.5	----	30	6 A
0.75 / 1.0	----	36	10 A
1.1 / 1.5	120-150	50	16 A
1.5 / 2.0	120-150	72 (36+36)	16 A

### APPLICATION

- Open well Submersible Pump

## SINGLE PHASE CONTROL PANEL

### SPECIFICATION

- Digital Volt & Current Meter with C.T
- Heavy Power Contactors
- Thermal Overload Protection by MCB
- With Start & Run Capacitor
- Start & Stop Push Button
- Metal Box with Powder Coating

### APPLICATION

- Submersible Pump Set for Drawing Water in Residence, Commercial, Farming & Gardening.



### SINGLE PHASE CAPACITOR RATING CHART

kW / HP	START CAPACITOR (MFD)	RUN CAPACITOR (MFD)	RUN CAPACITOR (MFD)
	140-230 V	140-180 V	180-230 V
0.37 / 0.5	100-150	45	36
0.55 / 0.75	100-150	45	36
0.75 / 1.0	100-150	45	36
0.93 / 1.25	100-150	45	36
1.1 / 1.5	150-200	56	45
1.5 / 2.0	150-200	72	56
2.2 / 3.0	200-250	100	72
3.0 / 4.0	200-250	125	100
3.7 / 5.0	200-250	125	100
4.5 / 6.0	200-250	150	125
5.5 / 7.5	200-250	200	150
7.5 / 10.0	200-250	250	200

### TWO PHASE CAPACITOR RATING CHART

kW / HP	VOLTAGE	STARTING CAPACITOR	RUNNING CAPACITOR
1.5 / 2.0	300-380	200-250	50
2.2 / 3.0	300-380	200-250	50

### OIL FILLED MOTOR CAPACITOR RATING CHART

kW / HP	RUNNING CAPACITOR (MFD)
	140-230 V
0.37 / 0.5	30
0.55 / 0.75	30
0.75 / 1.0	36
1.1 / 1.5	50
1.5 / 2.0	61
2.2 / 3.0	72



# SUBMERSIBLE CONTROL PANEL & STARTER

## THREE PHASE DOL MOTOR STARTER

### SPECIFICATION

- Contactor & Thermal Relay type (MK-1)
- Thermal Overload Protection
- Sheet Metal Enclosure
- Relay Range Available: 6-10 A, 9-14 A, 13-21 A, 20-32 A

### APPLICATION

Induction Motor, Three Phase DOL Submersible / Openwell Pump Set for Drawing Water in Residence, Commercial, Farming, Gardening etc.

kW / HP	RELAY RANGE	AMPERE	CONTACTOR TYPE
2.2 / 3	6 - 10 A	7	MK-1
3.7 / 5	9 - 14 A	11	MK-1
5.5 / 7.5	13 - 21 A	15.5	MK-1
5.5 / 7.5 (Heavy)	13 - 21 A	15.5	MK-1, DMC (10 mm)
7.5 / 10 (Heavy)	20 - 32 A	21	MK-1, DMC (10 mm)

## THREE PHASE DOL CONTROL PANEL

### SPECIFICATION

- Digital Volt & Current Meter
- Micro Controller based Digital Technology
- Over Current & Under Current (Dry Run) Protection
- Over Voltage & Under Voltage Protection
- Phase Failure & Reverse Phasing Protection
- Dry run Auto Reset after 30 minutes
- "Auto / Manual " mode selector switch
- Auto start facility provided after Resumption of Power supply
- Working / Bypass facility for Digital Controller (Emergency)
- Heavy Duty Power Contactors
- MCB provided for Short Circuit Protection
- Attractive Metal box with Powder Coating
- Facility for Automatic Water Level Controller (optional)

### APPLICATION

Three Phase DOL Submersible / Openwell Pump Set for Drawing Water in Residence, Commercial, Farming, Gardening etc.





# MOTOR PROTECTOR



## OXYGEN FREE POWER CONTRACTOR

### FIRST IN CLASS

- Highly Durable Oxygen Free Power Contractor
- Quiet and hassle free operation
- Long life due to carbon free contact
- Minimum temperature rise resulting in extended age



## COPPER POWER STRIP CONNECTION

### FIRST IN CLASS

- High Conductive Grade Copper Strips
- High current carrying capacity
- Effective work even in high temperature
- Fully protected against wiring short circuit



## CHIP BASED UNMATCHED SECURITY

### FIRST IN CLASS

- Wide range of protection against electrical and mechanical faults (such as motor overload, phase outbreak, phase sequence disorder, unbalanced phase, unbalanced voltage, phase failure at motor's end, motor jam, cable / wire cut or burn, motor/pump shaft breakage, Voltage fluctuation, short circuit and more)
- Large range of ampere for overload settings
- Very easy to use
- Vast voltage range from 220V to 500V
- Facility to increase or decrease time in star and delta mode



## 3 DISPLAY METER

### FIRST IN CLASS

- Display of ampere for all 3 phase
- Details on display in case of fault
- Motor start time
- Digital Overload Settings



DIRECT ON LINE ( for 3 wires Motor only)			
Sr. No.	Model	Relay Range	Dimensions (Wxh) Inch
1	DPT 7.5 DOL	6-22	10X12
2	DPT 10 DOL	8-30	10X12
3	DPT 12.5 DOL	10-36	10X12
4	DPT 15 DOL	14-40	10X12
5	DPT 20 DOL	16-45	10X12
6	DPT 25 DOL	20-50	10X12

STAR DELTA ( for 6 wires Motor only)			
Sr. No.	Model	Relay Range	Dimensions (Wxh) Inch
1	DPT 25-35 Shakti++	16-66	17X17
2	DPT 40-50 Shakti++	20-80	17X17
3	DPT 55-60 Shakti++	30-100	17X17
4	DPT 50 ACE	30-100	18.5X20
5	DPT 60 ACE	40-112	18.5X20
6	DPT 70 PRIME	48-120	20X21
7	DPT 80 PRIME	60-150	22.5X24
8	DPT 100 PRIME	68-170	22.5X24
9	DPT 120 PRIME	70-180	22.5X24



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