

# DP

## SELF-PRIMING



DP series self-priming deep-well pump consists of an ejector and a centrifugal pump. The ejector can be put in a 4" diameter well. It can be used to convey clean water or non-aggressive fluids, pump water from deep well and supply water automatically by pressure tank and pressure controller. It is required to install a foot valve with a filter at the bottom of inlet pipe.



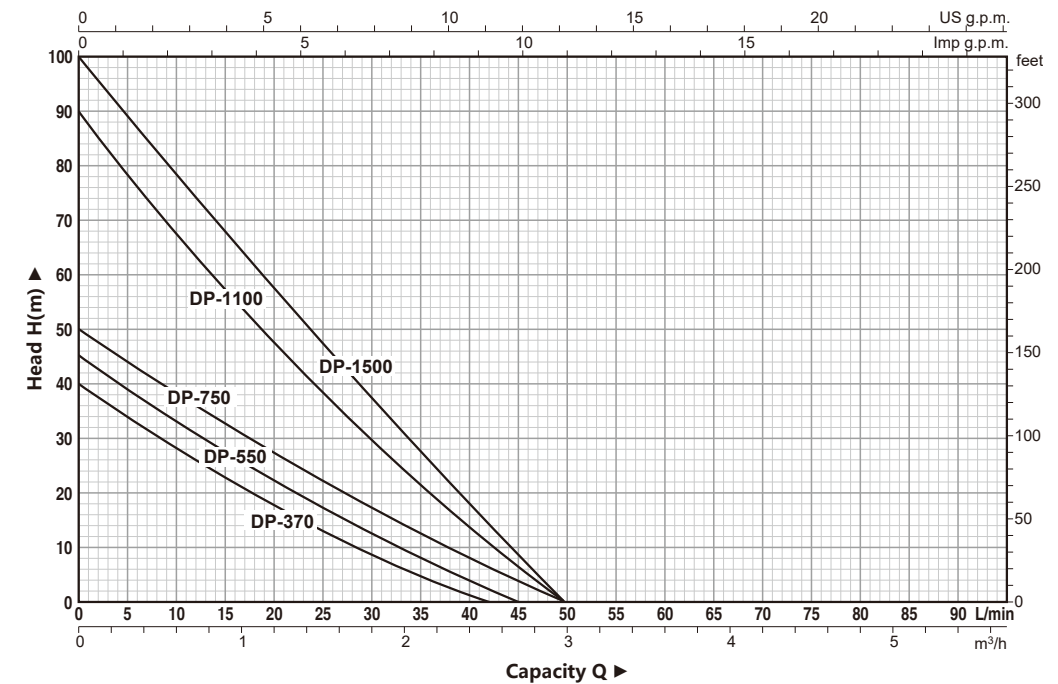
### OPERATING CONDITIONS

Liquid temperature up to 60°C  
Ambient temperature up to 40°C  
Total suction lift up to 9m  
Continuous duty

### CONSTRUCT

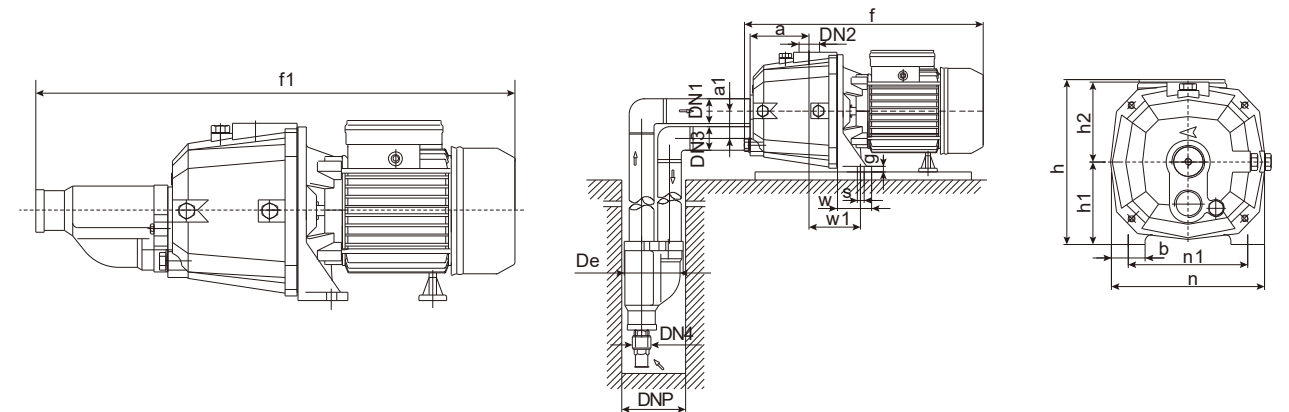
Single Phase  
Heavy Duty Continuous Work  
Motor: Closed,externally ventilated  
Shaft: Carbon steel  
(Stainless steel AISI 304 if required)  
Insulation: Class B/Class F  
Protection: IP44/IP54

Pump Body: Cast iron  
Impeller: Brass/Techno-polymer  
(P.P.O)/Stainless Steel  
Mechanical Seal: SIC/Ceramic/Graphite



### TECHNICAL DATA (220~240V/50Hz)

| Model   | Output Power |      | H.max<br>(m) | Q.max<br>(L/min) | S.Head<br>(m) | Speed<br>(r/min) | Enjector | Capacity L/min At discharge head m |     |     |     |     |
|---------|--------------|------|--------------|------------------|---------------|------------------|----------|------------------------------------|-----|-----|-----|-----|
|         | kW           | HP   |              |                  |               |                  |          | 10m                                | 15m | 25m | 35m | 40m |
| DP-370  | 0.37         | 0.5  | 40           | 42               | 15            | 2850             | E20      | 30                                 | 25  | 16  | 10  | 5   |
| DP-550  | 0.55         | 0.75 | 45           | 45               | 20            | 2850             | E20      | 35                                 | 30  | 17  | 15  | 10  |
| DP-750  | 0.75         | 1    | 50           | 50               | 25            | 2850             | E20      | 45                                 | 40  | 30  | 20  | 15  |
| DP-1100 | 1.1          | 1.5  | 90           | 50               | 30            | 2850             | E30      | 45                                 | 40  | 30  | 25  | 20  |
| DP-1500 | 1.5          | 2    | 100          | 50               | 35            | 2850             | E30      | 50                                 | 45  | 35  | 30  | 25  |



### OVERALL & INSTALLATION DIMENSIONS

| Model   | Size (inch) |     |     | DIMENSIONS(mm) |    |    |     |     |     |     |     |     |    |     |    |    |    | PACKING SIZE(mm) |     |     | G.W  | PACKING QTY. |
|---------|-------------|-----|-----|----------------|----|----|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|------------------|-----|-----|------|--------------|
|         | DN1         | DN2 | DN3 | De             | a  | al | f   | h   | h1  | h2  | n   | n1  | w  | w1  | b  | g  | s  | L                | W   | H   | kg   | 20" (Cont)   |
| DP-370  | 1.25"       | 1"  | 1"  | 96             | 95 | 43 | 387 | 196 | 98  | 95  | 182 | 142 | 55 | 84  | 40 | 9  | 11 | 495              | 210 | 220 | 15   | 1220         |
| DP-550  | 1.25"       | 1"  | 1"  | 96             | 95 | 43 | 387 | 196 | 98  | 95  | 182 | 142 | 55 | 84  | 40 | 9  | 11 | 495              | 210 | 230 | 16.5 | 1220         |
| DP-750  | 1.25"       | 1"  | 1"  | 96             | 95 | 43 | 387 | 196 | 98  | 95  | 182 | 142 | 55 | 84  | 40 | 9  | 11 | 495              | 210 | 230 | 17   | 1220         |
| DP-1100 | 1.25"       | 1"  | 1"  | 96             | 51 | 43 | 395 | 258 | 110 | 147 | 198 | 145 | -  | 117 | 65 | 12 | 12 | 525              | 250 | 301 | 26   | 700          |
| DP-1500 | 1.25"       | 1"  | 1"  | 96             | 51 | 43 | 395 | 258 | 110 | 147 | 198 | 145 | -  | 117 | 65 | 12 | 12 | 525              | 250 | 301 | 28   | 700          |

Note: Phase (single or three) and voltage (110/115/127/220/230/240v) are customized as per user's request.