

ES - SERIES

*Application /
Advantage*

ELECTRIC SUBMERSIBLE PUMPS (2" - 50mm TD to 6" - 150mm)

◆ ES SERIES ELECTRIC SUBMERSIBLE PUMPS

Low and medium flow pumps used extensively by Contractors, Municipalities, and in Agriculture for irrigation. Efficient performance and simple design make these pumps a favorite with users. The pumps are adaptable for use in a broad range of different applications, and provide high utilization, high return on capital and low running costs.

- ◆ Hard wearing materials - Cast Iron, Chromium and stainless steel.
- ◆ Robust construction - well suited for use on construction sites.
- ◆ Alternative high & low head/flow within the different models.
- ◆ Wide application - Move clean and dirty water.
- ◆ No Priming required - pump located at the water source.
- ◆ Ideal pump for use with dewatering systems.
- ◆ Operate unattended for long periods.

WELLS

SUMPING

OVER PUMPING

IRRIGATION

EMERGENCY



NATIONAL

- DESIGN
- MANUFACTURE
- SUPPLY
- INSTALLATION
- SERVICE

ES SERIES

ELECTRIC SUBMERSIBLE PUMPS (2"-50mm TD 67-150mm)

SUPPLIES TO PROCESS INDUSTRIES, CONSTRUCTION, PETROCHEMICAL PLANTS AND AERIALTURE.

Design Data

Series	1.5kw/2.2 kw				3.7kw/5.5 kw					7.5kw/11 kw			
Model	115	210	225	235	317	337	353	377	455	675	6110	475	4110
Head (M)	16	22	20	27	30	36	32	45	22	30	30	40	48
Flow (L/M)	650	440	750	480	900	500	1080	1500	1700	2200	2500	1300	1600
Motor (Kw)	1.5	1.5	2.2	2.2	3.7	3.7	5.5	3.7	5.5	7.5	11	7.5	11
Discharge (mm)	75	50	75	50	75	50	75	100	100	150	150	100	100
Weight (kg)	35	39	41	41	33	58	64	45	64	128	134	128	134

Materials

Standard specification includes Stainless Steel lower & outer casings, high chrome impeller, cast iron relay alternative optional material specifications (SS 316, etc.)

Shaft Seal

Twin oil bath mechanical seal arrangement. Upper seal Carbon/Ceramic Lower seal Silicon Carbide/Silicon Carbide.

Wide Application

Extensively used for dewatering of construction projects, supply of water from irrigation wells, and for general sewage pumping. Flexibly portable these pumps can be moved between sites to meet differing requirements.

Robust Efficient Design

Heavy duty construction, using well proven multi-plicated design. Double casing water jacket provides continuous motor cooling.

Top discharge reduces pump diameter safety factors, includes cut-outs to protect against over heating and excessive motor current.

High Performance

Available from a range of different Models to suit required flow & head.

Available with automatic system to control water level in tanks or pits (optional)

Power Units

Dry run asynchronous motor, 3ph 2 pole 50hz (2800rpm) or 60hz (3600rpm), IP 68 Protection class, IP insulation. Single phase option 1.5kw motor, 220/240/240 V supply.



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Graph 1



Graph 2



Graph 3



Graph 4

PROBLEM 1

Part 1	100 units
Part 2	200 units
Part 3	300 units
Part 4	400 units
Part 5	500 units
Part 6	600 units
Part 7	700 units
Part 8	800 units
Part 9	900 units
Part 10	1000 units



Graph 5



Graph 6

PROBLEM 2

Part 1	100 units
Part 2	200 units
Part 3	300 units
Part 4	400 units
Part 5	500 units
Part 6	600 units
Part 7	700 units
Part 8	800 units
Part 9	900 units
Part 10	1000 units



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INTERNATIONAL CONFERENCE ON
THE USE OF INTELLECTUAL PROPERTY RIGHTS IN THE
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