

## Application / Advantage

# ES SERIES

**ELECTRIC SUBMERSIBLE PUMPS (2"-50mm 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.

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

WELLS

PUMPING

OVERPUMPING

IRRIGATION

EMERGENCY



  
**P&D**



**DESIGN****MANUFACTURE****SUPPLY****INSTALLATION****SERVICE**

# ES SERIES

**ELECTRIC SUBMERSIBLE PUMPS (2"-50mm to 6"-150mm)****SUPPLIERS TO PROCESS INDUSTRIES, CONSTRUCTION, PETROCHEMICAL PLANTS AND AGRICULTURE**

## Design Data

Series	1.5kw / 2.2kw				3.7kw / 5.5kw					7.5kw / 11kw			
Model	315	215	322	222	337	237	355	437	455	675	6110	475	4110
Head (M)	16	22	20	27	30	36	32	18	22	30	30	40	48
Flow (L/M)	650	440	750	480	900	500	1000	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 (kgs)	35	35	41	42	68	58	73	45	74	144	145	143	144

## Wide Application

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

## Robust Efficient Design

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

Top discharge reduces pump diameter safety features 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 sumps or pits (optional).

## Power Units

Dry run asynchronous motor. 3ph 2pole 50Hz (2850rpm) or 60Hz (3450rpm). IP68 Protection Class F insulation. Single phase option 1.5kw motor. 220/380/440 V supply.

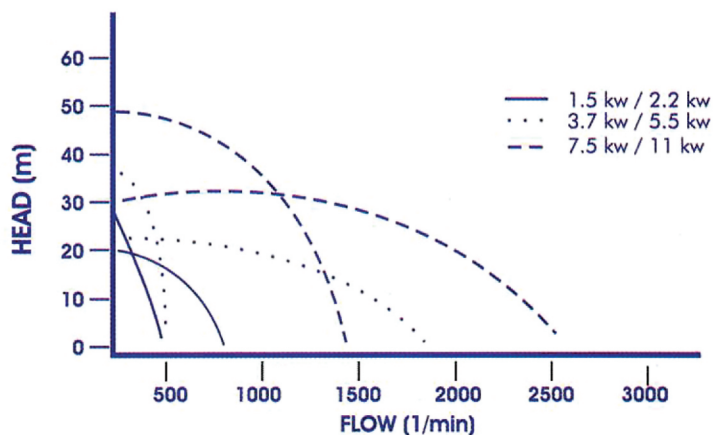
## Materials

Standard specification includes Stainless Steel inner & outer casings, high chrome impeller cast iron volute Alternative optional material specifications (SS31 6L etc).

## Shaft Seal

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

Sample Performance Curves  
(Refer to separate data sheet for details of full pump range)

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