



Marlow Series e-530SC Pumps

THE MOST COMPLETE LINE OF DEPENDABLE,
QUALITY PUMPS FOR COMMERCIAL POOLS



Marlow Series e-531SC Close-Coupled Pumps

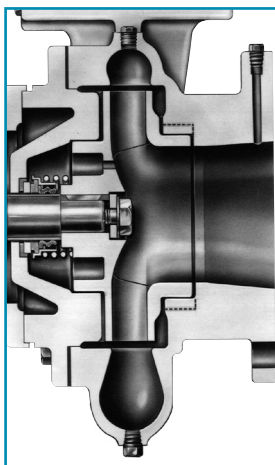
Standard Design Features

1. **Internally Flushed Mechanical Seals** ensure maximum seal face lubrication, heat dissipation and debris removal without vulnerable, external flush tubing. As much as 25 percent of the total pump flow continuously flushes the seal faces.
2. **Back Pull-out** design allows one service tech ease of maintenance.
3. **Stainless Steel Shaft Sleeve** construction is standard. Special sealing between the sleeve and shaft prevents corrosion of the shaft by the pumped fluid.
4. **ISO G6.3 Balanced Impeller** for quiet, vibration free performance. Impellers are precision fitted to the shaft and positively locked with a shaft key.
5. **Heavy Duty Cast Iron Volute** construction for 175 PSI working pressure.
6. **Jacking bolts** provide ease of volute disassembly.
7. **Gauge tappings** on the suction and discharge flanges along with volute vent and drain tappings are standard.
8. **Hydrostatic testing** of each pump is standard.
9. **Internally Epoxy Coated** cast iron components to improve wear resistance.
10. **Stainless Steel Volute Wear Ring**
11. **NSF-50 Certified** for the material health effects, corrosion resistance, performance, and disinfection efficacy for equipment used at a water park, pool or spa equipment and components.

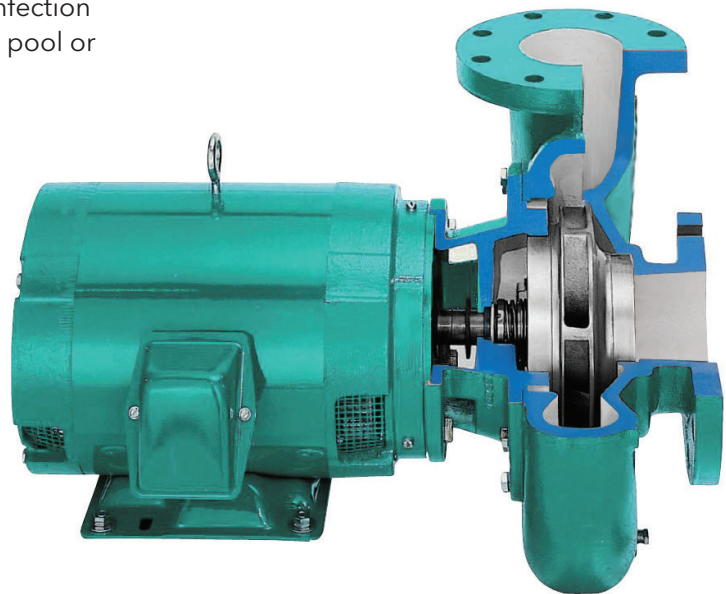


Pump Options

- External Flush Line
- Special Impeller Balancing (ISO 1940 G2.5 or G1.0)
- Certified Performance Tests (Per HI Standard 14.6)

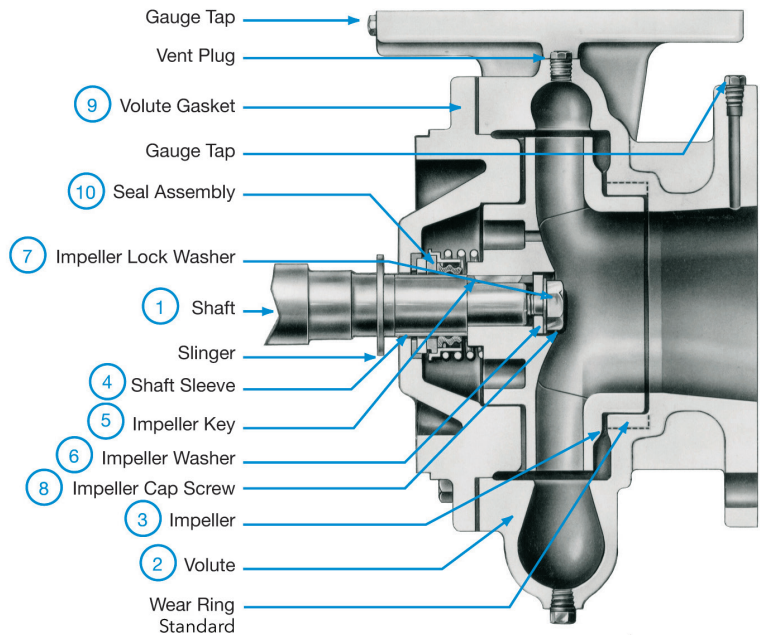


Standard Configuration



Marlow Series e-531SC Materials of Construction

Description	Stainless Steel Fitted
1 Shaft	Carbon Steel Grade per Motor Manufacturer
2 Volute	Cast Iron ASTM A48 Class 30B
3 Impeller	ASTM A743 Grade CF8 - 304 Stainless Steel
4 Shaft Sleeve	ASTM A312 Grade TP304 - 304 Stainless Steel
5 Impeller Key	#304 Stainless Steel
6 Impeller Washer	Steel
7 Impeller Lock Washer	#304 Stainless Steel
8 Impeller Cap Screw	#304 Stainless Steel
9 Volute Gasket	Cellulose Fiber
10 Seal Assembly	Reference Tables Below



Standard Mechanical Configuration

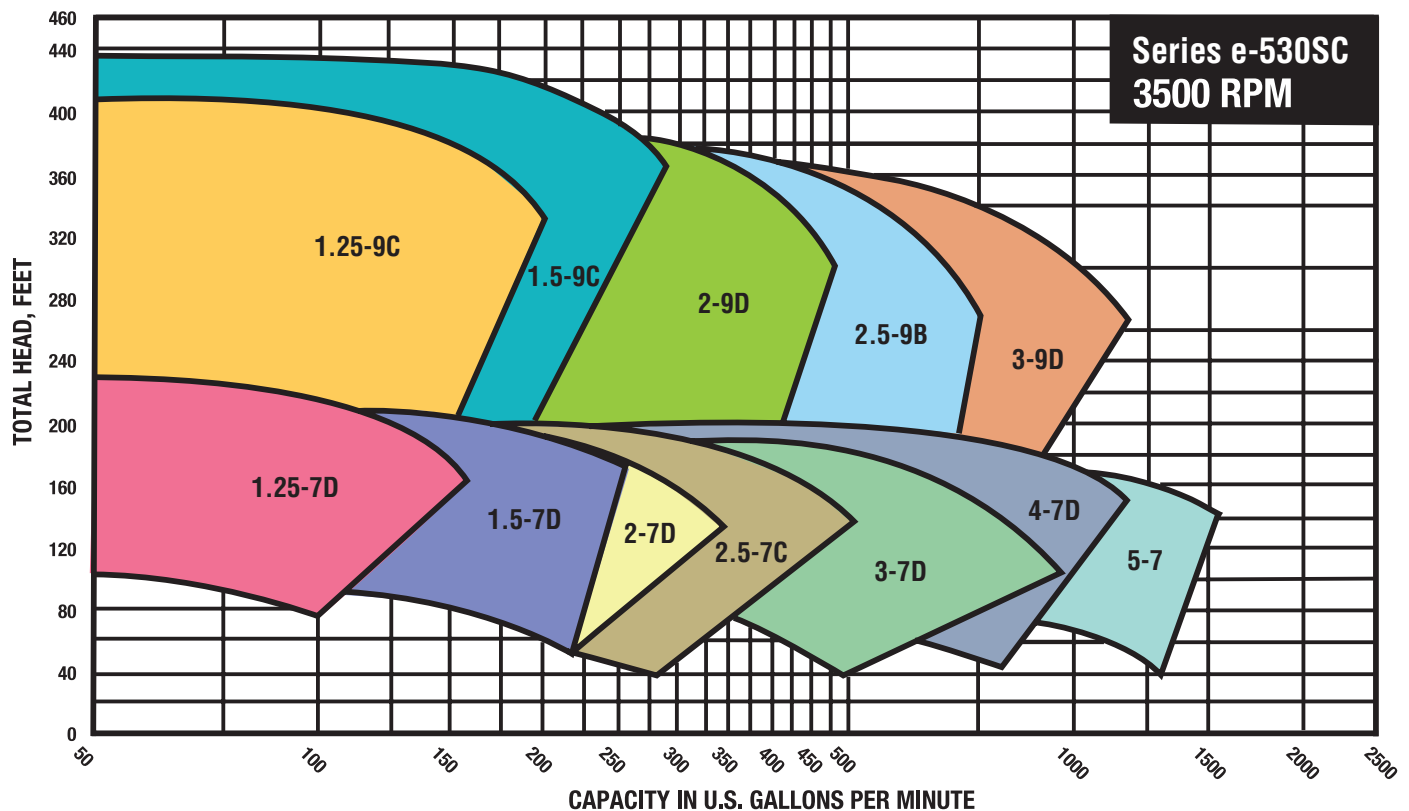
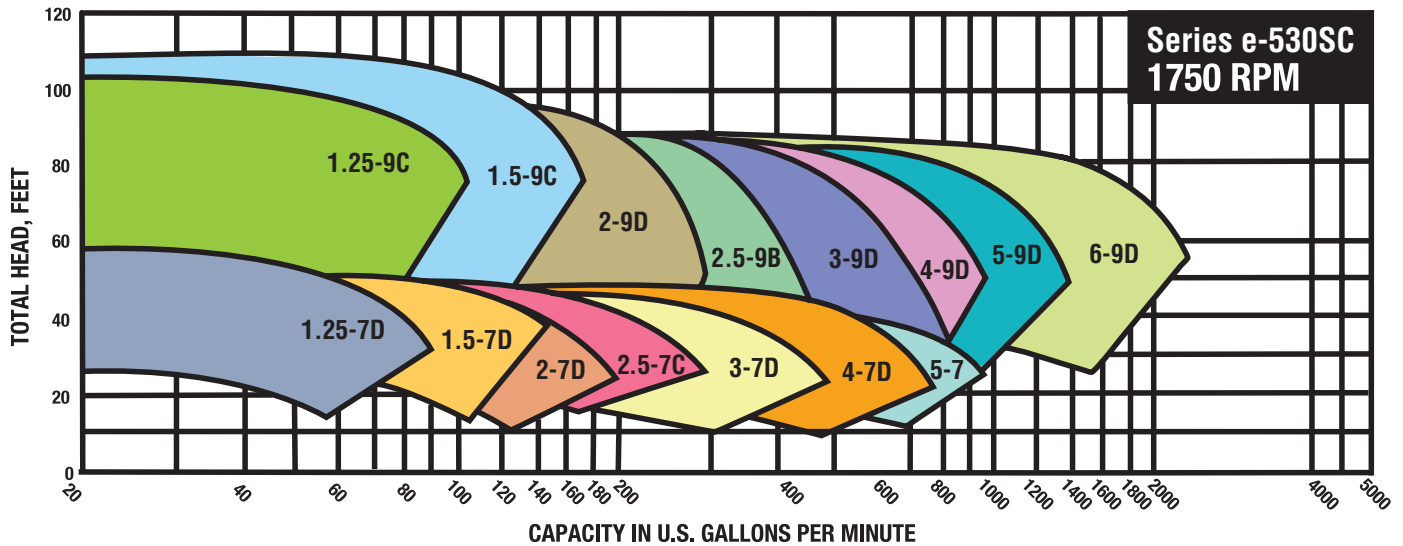
Standard Mechanical Seal	
Temperature Range	-20 to 225°F
Maximum Pressure	175 PSI
pH Limitations	7.0 - 9.0
Elastomer	Buna
Rotating Face	Carbon
Stationary Face	Ceramic
Hardware	Stainless Steel / Brass

Mechanical Seal Options			
Temperature Range	-20 to 250°F	-10 to 225°F	-20 to 250°F
Maximum Pressure	175 PSI	175 PSI	175 PSI
pH Limitations	7.0 - 11.0	7.0 - 9.0	7.0 - 12.5
Elastomer	EPR (Ethylene Propylene Rubber)	FKM (Viton™ or Fluoroelastomer)	EPR (Ethylene Propylene Rubber)
Rotating Face	Carbon	Carbon	Silicon Carbide
Stationary Face	Tungsten Carbide	Ceramic	Silicon Carbide
Hardware	Stainless Steel / Brass	Stainless Steel	Stainless Steel

* For operating temperatures above 250°F a cooled flush is required and is recommended for temperatures above 225°F for optimum seal life. On closed systems cooling is accomplished by inserting a small heat exchanger in the flush line to cool the seal flushing fluid.

Flush-line Filters and Sediment Separators are available on special request.

Marlow Series e-531SC Performance Curves



For larger sizes, consult Series e-531SC brochure (BRe531SC).



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