

Pump Data

Model *	SLP-90-5	
Liquid	Seawater, Brackish water, Fresh Water	
Pump Operating Ambient Temp	33 - 158 °F	0.6 - 70.0 °C
Maximum Storage Temp	185 °F	85.0 °C
Pump Operating Flow Range **	158 - 594gpm	35.9 - 136.6m³/h
Maximum Rated Flange Pressure	270 psi	19 bar
Maximum Solid Size	0.125 in	3.175 mm
Head (nominal)	167 Ft	50.9 M
Pump Weight (with base)	247 lbs	112 kg
Full Impeller Diameter	7.125 in	180.975 mm
PEI _{CL} Range ***	0.87-0.88	

* Subject to international patent applications

** Range includes several sizes

*** Motor Dependent

Hydraulic Design

Pump	Single Stage, end suction, centrifugal, closed-coupled
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Performance

Peak Efficiency **	Up to 80%
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** Range includes several sizes

Motor Data

Manufacturer	WEG or equivalent			
Motor Type	NEMA			
Ambient Temperature	-4 - 104 °F	-20 - 40 °C	-4 - 104 °F	-20 - 40 °C
Power Rating	30 HP-460/60/3	25 HP-380/50/3	20 HP-460/60/3	15 HP-380/50/3
Service Factor	1.25	1.00	1.25	1.15
Efficiency	91.70%	92.40%	91.00%	91.20%
Full Load Amps	33.8	34.2	23.2	20.4
Frame	286 JM	286 JM	256 JM	256 JM
Enclosure	TEFC	TEFC	TEFC	TEFC
Electric Power	22 kW	18.5 kW	15 kW	11 kW
Motor Weight	412 lbs [187 kg]	412 lbs [187 kg]	288 lbs [131 kg]	288 lbs [131 kg]

Materials

Casing	Zeron SS (ASTM A995-13 6A)
Bearings	Non-metallic
Motor Adapter	316 SS
Optional Baseplate	Carbon Steel - Painted (A36)
Mechanical Seal - Type 21	SiC/ Graphite
O-Rings	Buna N®
Impeller	Zeron SS (ASTM A995-13 6A)
Crating/Packaging	Export-Wood

Packaging/ Crating

Protective Covers	Standard	
Export Crating	Standard	
Additional Shipping Options	Available per customer request	
Pump Package Weight	659 lbs	299 kg

Fittings

Pipe Joints	Flange: ASME/ANSI B16.5 Class 150 Feed Inlet 4" Feed Outlet 3"
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Lubrication

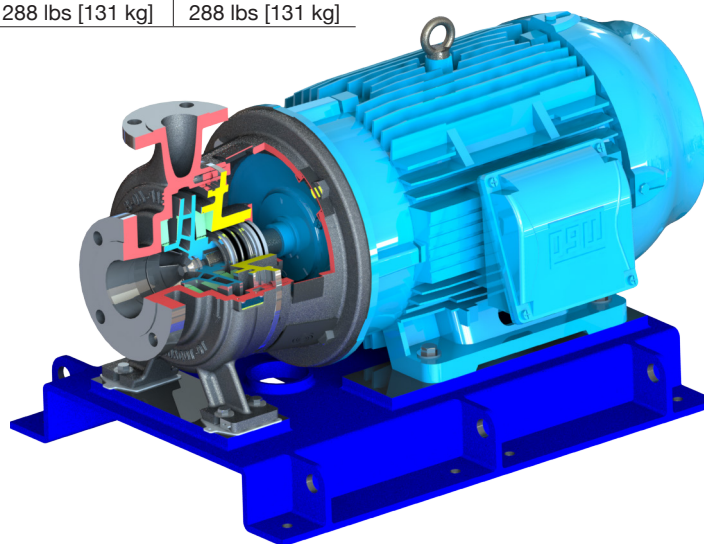
Cooling	Product fluid
Lubrication	Product fluid

Testing and Inspection

Hydrostatic Test *	Standard
Mechanical Run Test *	Standard
Factory Duty Point Hydraulic Performance Test **	Not Available
Material Certificates	Optional

* General Code Groups, Associations, Laboratories, and Approval Bodies include the American Society for Testing and Materials (ASTM), the International Organization for Standardization (ISO), and the NSF International.

** There is no way to differentiate between the hydraulic efficiency and electric efficiency when the unit is tested as a coupled system.



NOTE: All numeric values are based on performance norms. Specific performance data is included with each individual unit. FEDCO reserves the right to make specification changes at any time without prior notice. Please contact your FEDCO representative for information. email: sales@fedco-usa.com

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