EBARA

Ahead Beyond

Model SC

In-Line Super Compact Pump

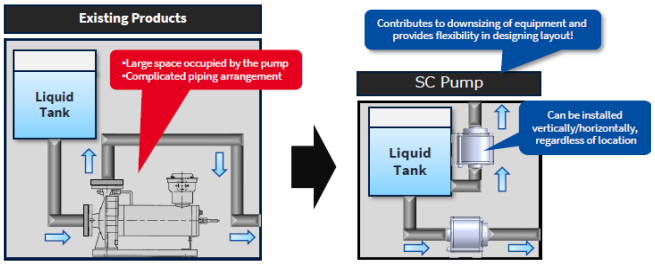
SUPER COMPACT PUMP

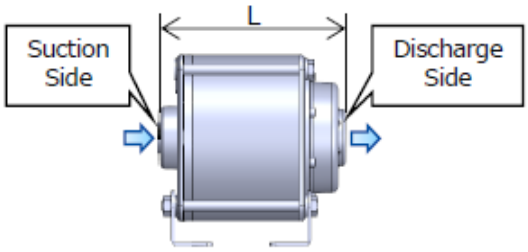


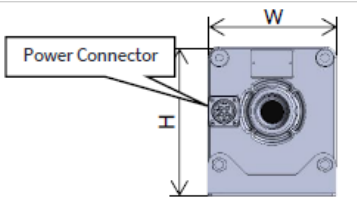
Model SC

Engineered for high performance, long-term reliability, and space efficiency, EBARA's SC Pump Series is a next-generation solution for modern industrial liquid handling. Designed with a seal-less canned motor, these pumps eliminate leakage risks while minimizing maintenance requirements.









Features:

Lower Life Cycle Costs

* **Initial Cost Savings**
  – Cost-effective investment with high-value performance
* **Energy Efficiency**
  – Optimized power consumption for reduced operating costs
* **Smart Control**
  – Variable Frequency Drive (VFD) compatibility for enhanced efficiency
* **Reduced Running Costs**
  – Minimal maintenance and extended operational life

Leak-Free & Maintenance Free

* **Seal-less Technology**
  – Eliminates leaks and minimizes maintenance
* **Canned Motor**
  – Liquid-cooled Permanent Magnet Motor (PMM) for higher efficiency and durability

Ultra Compact

* **Space-Saving**
  – Compact in-line configuration with flexible assembly options
* **Simplified Installation**
  – Less complex anchoring, lightweight for easy handling
* **Portable & Efficient**
  – Can be manually moved and installed

Advanced Performance & Compatibility

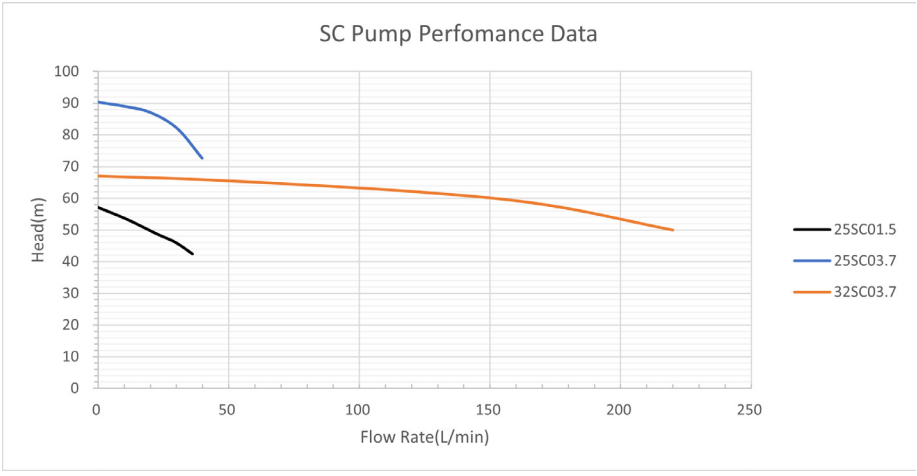
* **Variable High-Speed Operation**
  – Multi-speed VFD-controlled compatibility for optimal performance
* **Multi-Stage Design**
  – Efficient multiple impeller design for increased pressure
* **Broad Fluid Compatibility**
  – Handles a wide range of liquid types and temperatures

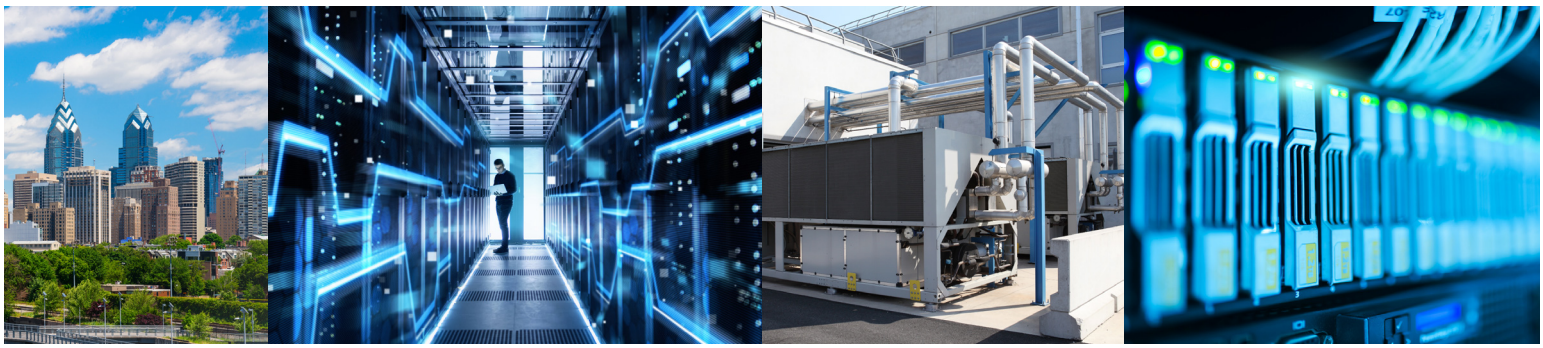
Standard Specifications:

Model		25SC01.5	25SC03.7	32SC03.7
Power Supply Voltage		200V	200/400V	
Ambient Temperature		0 ~ 40°		
Installation Environment		Indoor		
Maximum Operating Pressure		0.9MPa	1.6MPa	1.49MPa
Pipe Connection		Rc 1		Rc 1 1/4
Liquid Temperature *1		-20°C ~ +90°C -20°C~+120°C *2	-45°C~+60°C -45°C~+120°C *2	0°C~+40°C
Liquid Type		Industrial Water, Flourine-based Inert Liquid, Pure Water, Various Anti-freeze		
Wetted Parts Material	Casing	SCS14		
	Impeller	SUS316L		
	Bearing	Ceramics		
	Stator Can	Synthetic Resin		
	O-ring	Plasticizer-free EPDM (-45°C~+120°C) *3		
Motor	Type	Permanent Magnet Canned Motor		
	Heat Resistamce Class	B		
External Dimensions [mm]		W127 x H150 x L150	W152 x H176 x L190	W152 x H176 x L180
Weight		8kg	12kg	13kg
Recommended Inverter		Delta Electronics MS300 Series		
Certification / Compliance		NRTL		

* Notes:
*1 The applicable liquid temperature range varies depending on the handled liquid, pump operating point, and insulation installation.
*2 Achievable with water cooling jacket specification.
*3 If liquid temperature is below -46°C, the O-ring material in contact with the liquid will be changed to silicone rubber.

Performance Range:





Your Local EBARA representative:

ENGINEEREDfor**PERFORMANCE**

EBARA Pumps Americas Corporation

1651 Cedar Line Drive, Rock Hill, SC 29730
t (803) 327-5005 | info@pumpsebara.com

www.pumpsebara.com

All specifications subject to change without notice.
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