

# CQ

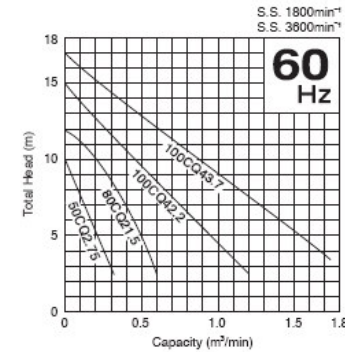
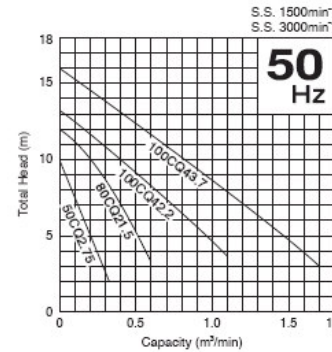
The CQ-series is based on C-series, but all the wetted parts are made of stainless steel. Wide opening channel impeller with cutter mechanism drains powerfully even the liquid contains suspended solid and fibrous matters.



### Applications

- Draining wastewater from chemical plant, plastic plant, etc
- Draining effluent from hospital and laboratory, etc

### Performance Curves



### Major Standard Specifications

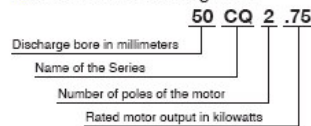
Discharge Bore		mm	50	80	100
Pumping Fluid	Type of Fluid	Chemical Wastewater, Waste water, and Liquid carrying Waste and Solid Matters			
	Fluid Temperature	0 to 40°C			
Pump	Structure	Impeller	Channel Impeller with Cutter Mechanism		
		Shaft Seal	Double Mechanical Seal with Oil Lifter		
	Materials	Bearing	Double-shielded Ball Bearing		
		Impeller	304 Stainless Steel Casting		
		Casing	304 Stainless Steel Casting		
		Suction Cover	304 Stainless Steel Casting		
Shaft Seal	SiC				
Motor	Type, Pole	Dry Type Submersible Induction Motor 2, 4-pole			
	Class of Insulation	Class E Class F (1.5kW only)			
	Phase	Three-phase			
	Starting Method	Direct on Line			
	Protection Device (built-in)	Circle Thermal Protector			
	Lubricant	Turbine Oil (ISO VG32)			
	Materials	Frame	304 Stainless Steel Casting		
		Shaft	304 Stainless Steel 316 Stainless Steel (1.5kW only)		
Cable		PVC			
Discharge Connection		Screwed Flange (1.5kW and below) JIS 10K Flange (2.2kW and above)			

### Standard Specifications

Discharge Bore mm	Model		Motor Output kW	Starting Method	Speed (S.S.) 50Hz/60Hz min <sup>-1</sup>	Impeller Passage 50Hz/60Hz mm	Dry Weight * kgs		No. of Cables	Cable				Length m	Material
	Free Standing	Guide Rail Fitting					Free Standing	Guide Rail Fitting		200 ~ 240 V		380 ~ 575 V			
50	50CQ2.75	TOS50CQ2.75	0.75	D.O.L.	3000/3600	18	40	39	1	4 × 1.25	11.1	4 × 1.25	11.1	6	PVC
80	80CQ21.5	TOS80CQ21.5	1.5	D.O.L.	3000/3600	29	50	48	1	4 × 1.25	11.1	4 × 1.25	11.1	6	PVC
100	100CQ42.2	TOS100CQ42.2	2.2	D.O.L.	1500/1800	35	93	86	1	4 × 2.0	11.8	4 × 2.0	11.8	6	PVC
100	100CQ43.7	TOS100CQ43.7	3.7	D.O.L.	1500/1800	55	109	102	1	4 × 3.5	13.9	4 × 2.0	11.8	6	PVC

\* Dry weight  
All weights excluding cable  
Weights of guide rail fitting excluding duckfoot bend

### Model Number Designation



### Standard Accessories

#### Free Standing

- Discharge Bend (with Packing & Bolts)
- Screwed Flange
- -1.5kW and below
- JIS 10kg/cm<sup>2</sup> Flange (with Packing, Bolts & Nuts)
- -2.2kW and above

#### Guide Rail Fitting - TOS

- Lifting Chain 5m, (with Shackles)
- Guide Support (with Bolts & Nuts)
- Guide Hook (with Bolts)
- Duckfoot Bend
- Guide Connector (with Bolts)
- JIS 10kg/cm<sup>2</sup> Flange (with Packing, Bolts & Nuts)