

EBARA



# Submersible Sewage/Wastewater Pumps

Model DSC4/DSCA4



water | wastewater | sewage | flood control



**EBARA** Pumps Americas Corporation

# Model DSC4/DSCA4

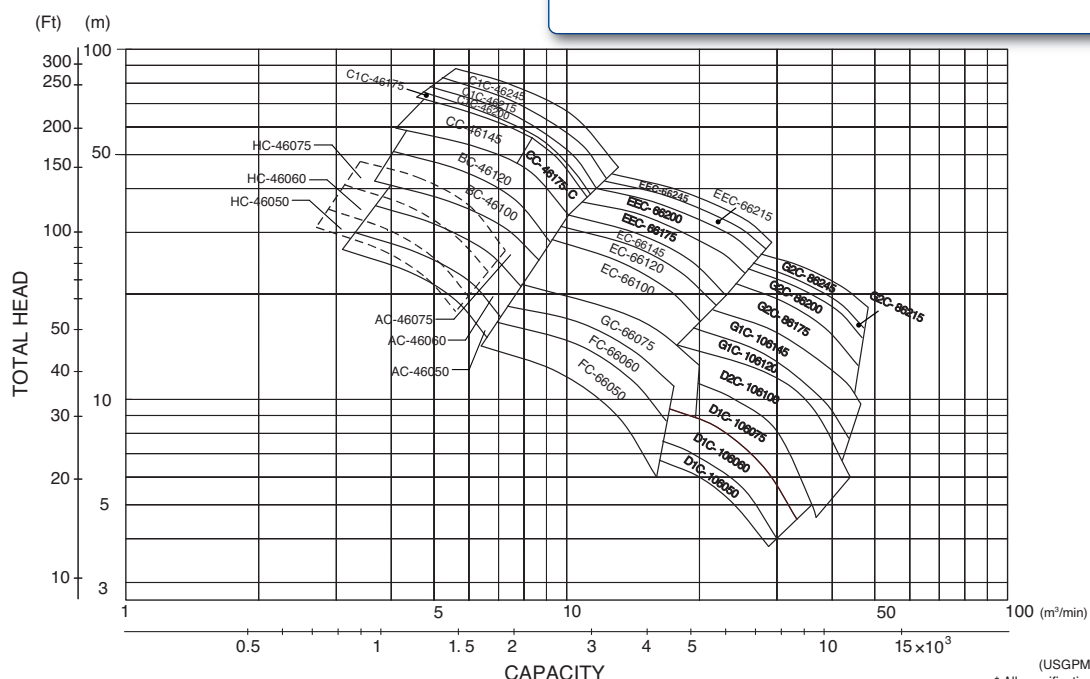
## Features

- **New! 32 enclosed impeller models with extended hydraulics, higher horsepower, higher flows, larger discharge and suction sizes, and ICS options now available!**
- **Watertight cable entry system with redundant protection** assures safe operation and protects against water leakage into terminal casing; reduces maintenance costs
- **Terminal board provides easy cable connection**
- **Heavy duty, high efficiency, compact designed motor** with thermal detector for each phase of winding; inverter duty rated and FM approved
- **Self cooling system with cooling jacket** eliminates the need for external pumping devices or special heat transfer fluids; offers simplicity and high reliability by effectively dissipating heat, **ICS option available** for 4P/6P 50-145 HP models
- **Float type leakage detector** provides early warning of mechanical seal failure; avoids costly motor repairs
- **Cartridge type\*, duplex mechanical seals** assembled in tandem arrangement; easy maintenance and high reliability (\*standard models)
- Available with semi-open or enclosed impellers

## Standard Specifications

<b>Design</b>	Discharge	6 to 20 inch
	Horsepower	50 to 245
<b>Materials</b>	Capacity	530 to 12500 USGPM (2 to 48 m <sup>3</sup> /min)
	Total head	12 to 300 ft (3.8 to 91 m)
	Max. Liquid temp.	104°F/40°C
<b>Materials</b>	Casing	Cast Iron
	Impeller	Cast Iron
	Casing Ring	420 Stainless Steel (enclosed impeller models)
	Shaft	420 Stainless Steel (4P/6P 50-145HP models) 403Q Stainless Steel (10P 50-145HP models)
<b>Construction</b>	Motor Frame	Cast Iron
	Cooling Jacket	Steel
	Fastener	304 Stainless Steel
<b>Construction</b>	Impeller Type	Semi-open
		Enclosed
	Shaft Seal	Optional: Impeller Ring (enclosed impeller models) Cartridge type* duplex mechanical seals in tandem arrangement (*available on standard models)
	Material – Upper	Carbon/Ceramic
	Material – Lower	Silicon Carbide/Silicon Carbide
	Bearing	Grease Lubricated Ball Bearing
	Motor	Class H insulation
		Air filled water tight with cooling jacket
		15 starts/hour : 4P/6P 50-145HP
		10 starts/hour : 10P 50-145HP
	Mounting method	Optional: FM explosion proof, Class 1, Group C, D
		Built-in winding temperature detector
		Built-in float type leak detector
		Optional: Temperature detector for thrust bearing
<b>Accessories</b>		Wet Pit: Quick discharge connector (QDC)
		Dry Pit: with baseplate (DSCA4)
		50 ft (15.24 m) water tight rubber insulated flexible cable <i>Optional cable lengths available.</i>

## DSC4/DSCA4 selection chart



### EBARA Pumps Americas Corporation

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\* All specifications subject to change without notice.

EPACSC40415