

EBARA



# Submersible Sewage/Wastewater Pumps

Model DSC4/DSCA4



water | wastewater | sewage | flood control



**EBARA**

**EBARA** Fluid Handling

*an EBARA International Corporation company*

# Model DSC4/DSCA4

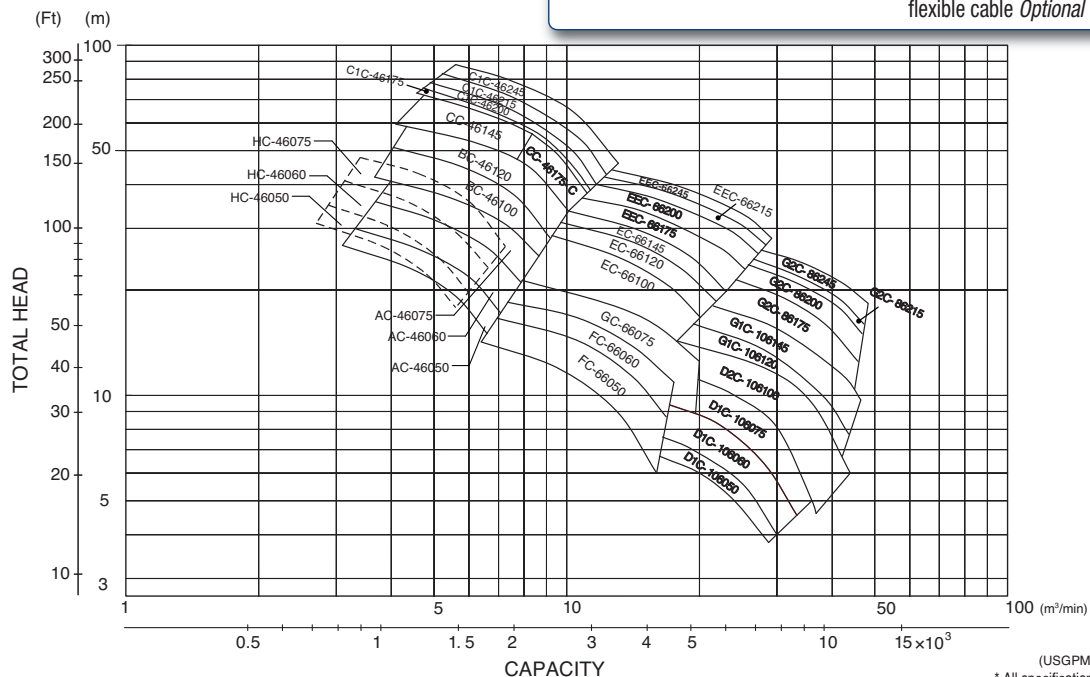
## Features

- **New! 32 enclosed impeller models with extended hydraulics, higher horsepowers, 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 Horsepower Capacity Total head Max. Liquid temp.	6 to 20 inch 50 to 245 530 to 12500 USGPM (2 to 48 m <sup>3</sup> /min) 12 to 300 ft (3.8 to 91 m) 104°F/40°C
<b>Materials</b>	Casing Impeller Casing Ring Shaft  Motor Frame Cooling Jacket Fastener	Cast Iron Cast Iron 420 Stainless Steel (enclosed impeller models) 420 Stainless Steel (4P/6P 50-145HP models) 403Q Stainless Steel (4P/6P/8P 175-245HP, 10P 50-145HP models)  Cast Iron Steel 304 Stainless Steel
<b>Construction</b>	Impeller Type  Shaft Seal  Material – Upper Material – Lower  Bearing Motor  Mounting method	Semi-open Enclosed <i>Optional:</i> Impeller Ring (enclosed impeller models) Cartridge type* duplex mechanical seals in tandem arrangement (*available on standard models) Carbon/Ceramic Silicon Carbide/Silicon Carbide <i>Optional materials available, consult factory.</i> Grease Lubricated Ball Bearing Class H insulation Air filled water tight with cooling jacket 15 starts/hour : 4P/6P 50-145HP 10 starts/hour : 4P/6P/8P 175-245HP, 10P 50-145HP <i>Optional:</i> FM explosion proof, Class 1, Group C, D Built-in winding temperature detector Built-in float type leak detector <i>Optional:</i> Temperature detector for thrust bearing Wet Pit: Quick discharge connector (QDC) Dry Pit: with baseplate (DSCA4)
<b>Accessories</b>		50 ft (15.24 m) water tight rubber insulated flexible cable <i>Optional cable lengths available.</i>

## DSC4/DSCA4 selection chart



### EBARA Fluid Handling

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\* All specifications subject to change without notice.

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