

EBARA



# Submersible Sewage/Wastewater Pumps

Model DSC4/DSCA4



water | wastewater | sewage | flood control



**EBARA** Fluid Handling

*an EBARA International Corporation company*

# Model DSC4/DSCA4

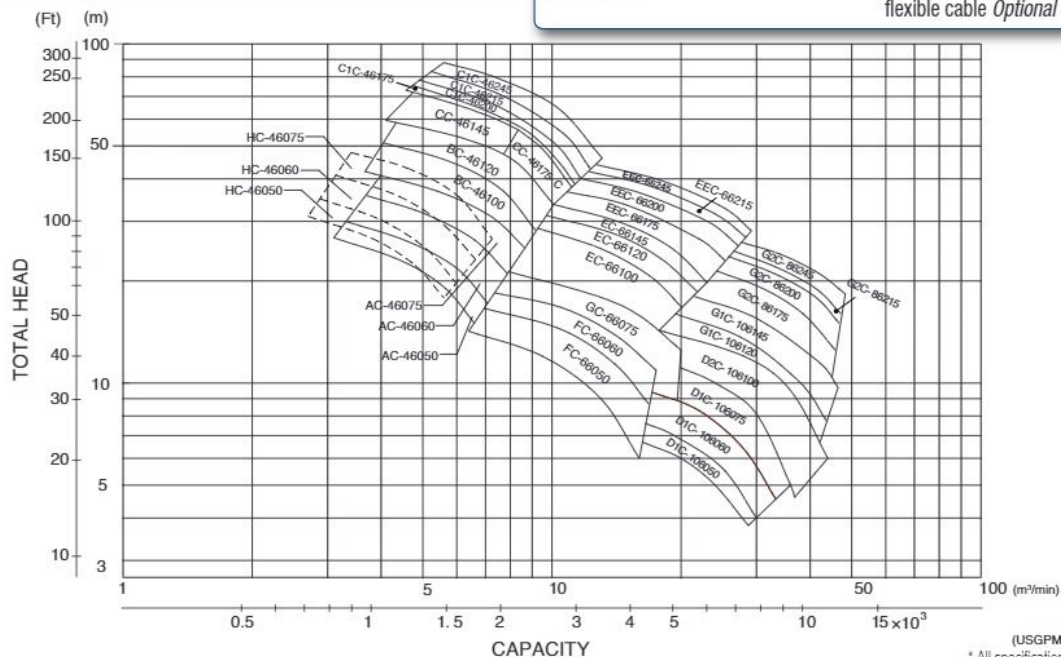
## Features

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



\* All specifications subject to change without notice.



### EBARA Fluid Handling

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