

|              |           |                       |                       |
|--------------|-----------|-----------------------|-----------------------|
| Item number  | : Default | Product Description   | : ACDU70/3-1.5HP      |
| Service      | :         | Stages                | : 1                   |
| Quantity     | : 1       | Based on curve number | : CD-C602-9309        |
| Quote number | :         | Basic model number    | : -                   |
|              |           | Date last saved       | : 02 Apr 2025 9:50 AM |

**Operating Conditions**

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Flow, rated                                     | : 27.00 USgpm       |
| Differential head / pressure, rated (requested) | : 80.00 ft          |
| Differential head / pressure, rated (actual)    | : 82.29 ft          |
| Suction pressure, rated / max                   | : 0.00 / 0.00 psi.g |
| NPSH available, rated                           | : Ample             |
| Site Supply Frequency                           | : 60 Hz             |

**Performance**

|                                          |                             |
|------------------------------------------|-----------------------------|
| Speed criteria                           | : Synchronous               |
| Speed, rated                             | : 3450 rpm                  |
| Impeller diameter, rated                 | : 5.20 in                   |
| Impeller diameter, maximum               | : 5.20 in                   |
| Impeller diameter, minimum               | : 5.20 in                   |
| Efficiency                               | : 53.28 %                   |
| PEI (CL)                                 | : 0.99                      |
| NPSH required / margin required          | : 6.83 / 0.00 ft            |
| Ns (imp. eye flow) / Nss (imp. eye flow) | : 829 / 3,356 US Units      |
| MCSF                                     | : 6.00 USgpm                |
| Head, maximum, rated diameter            | : 109.0 ft                  |
| Head rise to shutoff                     | : 32.49 %                   |
| Flow, best eff. point                    | : 35.02 USgpm               |
| Flow ratio, rated / BEP                  | : 77.11 %                   |
| Diameter ratio (rated / max)             | : 100.00 %                  |
| Head ratio (rated dia / max dia)         | : 100.00 %                  |
| Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]         | : 1.00 / 1.00 / 0.99 / 1.00 |
| Selection status                         | : Acceptable                |

**Liquid**

|                                 |                    |
|---------------------------------|--------------------|
| Liquid type                     | : Cold Water       |
| Additional liquid description   | :                  |
| Solids diameter, max            | : 0.00 in          |
| Solids concentration, by volume | : 0.00 %           |
| Temperature, max                | : 68.00 deg F      |
| Fluid density, rated / max      | : 1.000 / 1.000 SG |
| Viscosity, rated                | : 1.00 cP          |
| Vapor pressure, rated           | : 0.34 psi.a       |

**Material**

|                   |                   |
|-------------------|-------------------|
| Material selected | : Stainless Steel |
|-------------------|-------------------|

**Pressure Data**

|                                    |               |
|------------------------------------|---------------|
| Maximum working pressure           | : 47.18 psi.g |
| Maximum allowable working pressure | : 125.0 psi.g |
| Maximum allowable suction pressure | : N/A         |
| Hydrostatic test pressure          | : N/A         |

**Driver & Power Data (@Max density)**

|                                |                             |
|--------------------------------|-----------------------------|
| Driver sizing specification    | : Rated power               |
| Margin over specification      | : 0.00 %                    |
| Service factor                 | : 1.00                      |
| Power, hydraulic               | : 0.56 hp                   |
| Power, rated                   | : 1.05 hp                   |
| Power, maximum, rated diameter | : 1.19 hp                   |
| Motor rating                   | : 1.50 hp / 1.12 kW (Fixed) |

