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|--------------|-----------|-----------------------|------------------------|
| Item number | : Default | Product Description | : A3U40160110HP |
| Service | : | Stages | : 1 |
| Quantity | : 1 | Based on curve number | : 3S-C609-9309 |
| Quote number | : | Basic model number | : - |
| | | Date last saved | : 11 Dec 2020 10:11 AM |

Operating Conditions

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|---|---------------------|
| Flow, rated | : 180.9 USgpm |
| Differential head / pressure, rated (requested) | : 138.6 ft |
| Differential head / pressure, rated (actual) | : 138.6 ft |
| Suction pressure, rated / max | : 0.00 / 0.00 psi.g |
| NPSH available, rated | : Ample |
| Site Supply Frequency | : 60 Hz |

Performance

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|--|-----------------------------|
| Speed criteria | : Synchronous |
| Speed, rated | : 3450 rpm |
| Impeller diameter, rated | : 166 mm |
| Impeller diameter, maximum | : 166 mm |
| Impeller diameter, minimum | : 166 mm |
| Efficiency | : 76.59 % |
| PEI (CL) | : 0.93 |
| NPSH required / margin required | : 11.57 / 0.00 ft |
| Ns (imp. eye flow) / Nss (imp. eye flow) | : 1,148 / 7,400 US Units |
| MCSF | : 30.00 USgpm |
| Head, maximum, rated diameter | : 189.0 ft |
| Head rise to shutoff | : 36.35 % |
| Flow, best eff. point | : 180.9 USgpm |
| Flow ratio, rated / BEP | : 100.00 % |
| 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 / 1.00 / 1.00 |
| Selection status | : Acceptable |

Liquid

| | |
|---------------------------------|--------------------|
| Liquid type | : Water |
| Additional liquid description | : |
| Solids diameter, max | : 0.00 mm |
| 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 | : 0.00 psi.a |

Material

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

Pressure Data

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|------------------------------------|---------------|
| Maximum working pressure | : 81.81 psi.g |
| Maximum allowable working pressure | : 145.0 psi.g |
| Maximum allowable suction pressure | : N/A |
| Hydrostatic test pressure | : N/A |

Driver & Power Data (@Max density)

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|----------------------------------|------------------------------|
| Driver sizing specification | : Rated power |
| Margin over specification | : 0.00 % |
| Service factor | : 1.00 |
| Power, hydraulic | : 6.33 hp |
| Power, rated | : 8.27 hp |
| Power, maximum, rated diameter | : 9.48 hp |
| Minimum recommended motor rating | : 10.00 hp / 7.46 kW (Fixed) |

