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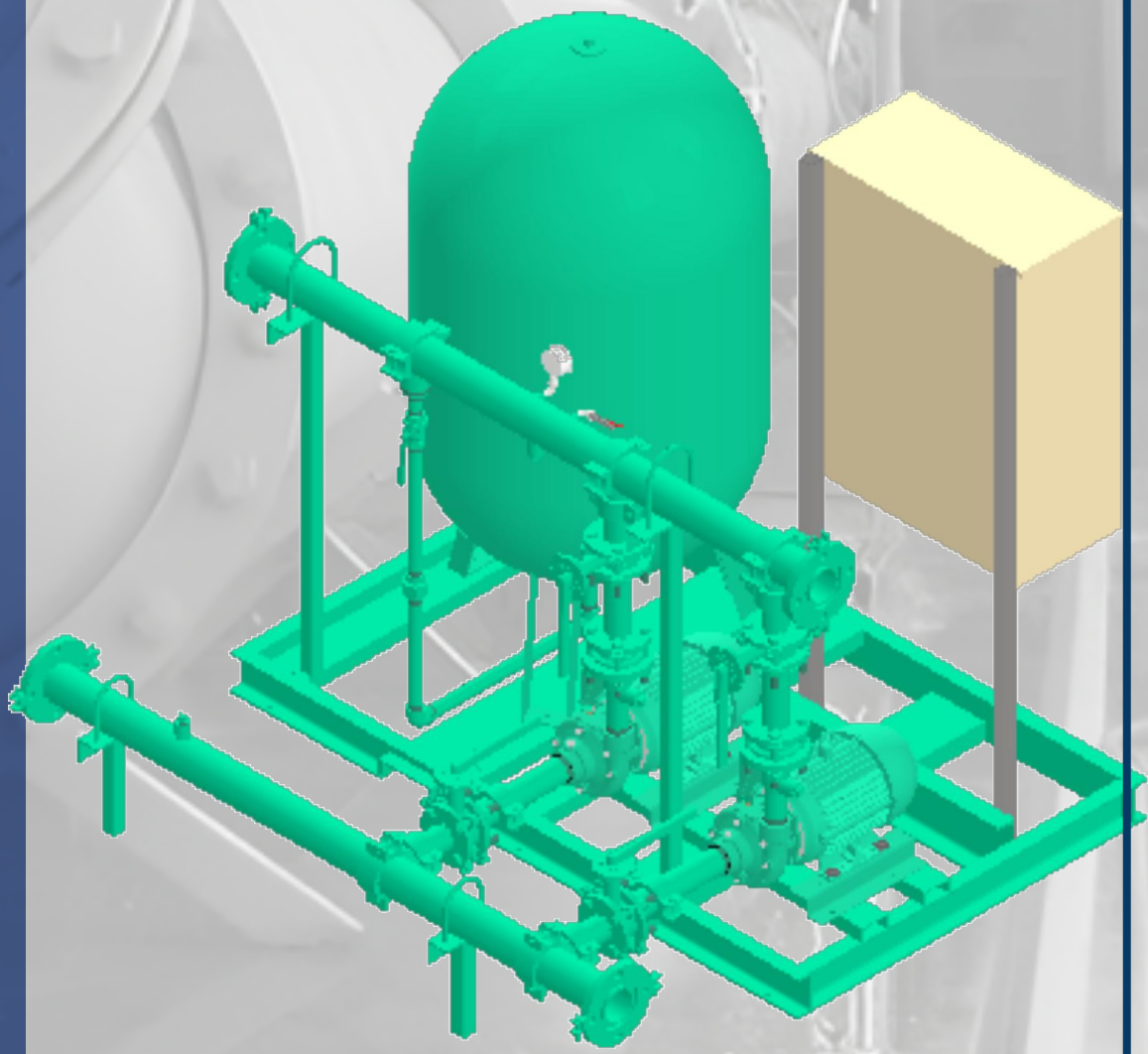
# BOOSTER SYSTEMS



# Pump Performance Datasheet

| | |
|---|---|
| Size | : GE/GU_3C |
| Stages | : 1 |
| Based on curve number | : GE_3C |

## Operating Conditions

| | |
|---|---|
| Flow, rated | : 330.0 USgpm |
| Differential head / pressure, rated (requested) | : 70.00 ft |
| Differential head / pressure, rated (actual) | : 70.61 ft |
| Suction pressure, rated / max | : 0.00 / 0.00 bar.g |
| NPSH available, rated | : Ample |
| Site Supply Frequency | : 60 Hz |

## Performance

| | |
|---|---|
| Speed criteria | : Synchronous |
| Speed, rated | : 1800 rpm |
| Impeller diameter, rated | : 230 mm |
| Impeller diameter, maximum | : 244 mm |
| Impeller diameter, minimum | : 165 mm |
| Efficiency | : 81.11 % |
| NPSH required / margin required | : 1.20 / 0.00 m |
| Ns (imp. eye flow) / Nss (imp. eye flow) | : 1,313 / 10,228 US Units |
| MCSF | : - |
| Head, maximum, rated diameter | : 81.60 ft |
| Head rise to shutoff | : 16.56 % |
| Flow, best eff. point | : 351.7 USgpm |
| Flow ratio, rated / BEP | : 93.84 % |
| Diameter ratio (rated / max) | : 94.40 % |
| Head ratio (rated dia / max dia) | : 85.83 % |
| 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 | : 20.00 deg C |
| Fluid density, rated / max | : 0.999 / 0.999 kg/dm3 |
| Viscosity, rated | : 1.00 cSt |
| Vapor pressure, rated | : 0.00 bar.a |

## Material

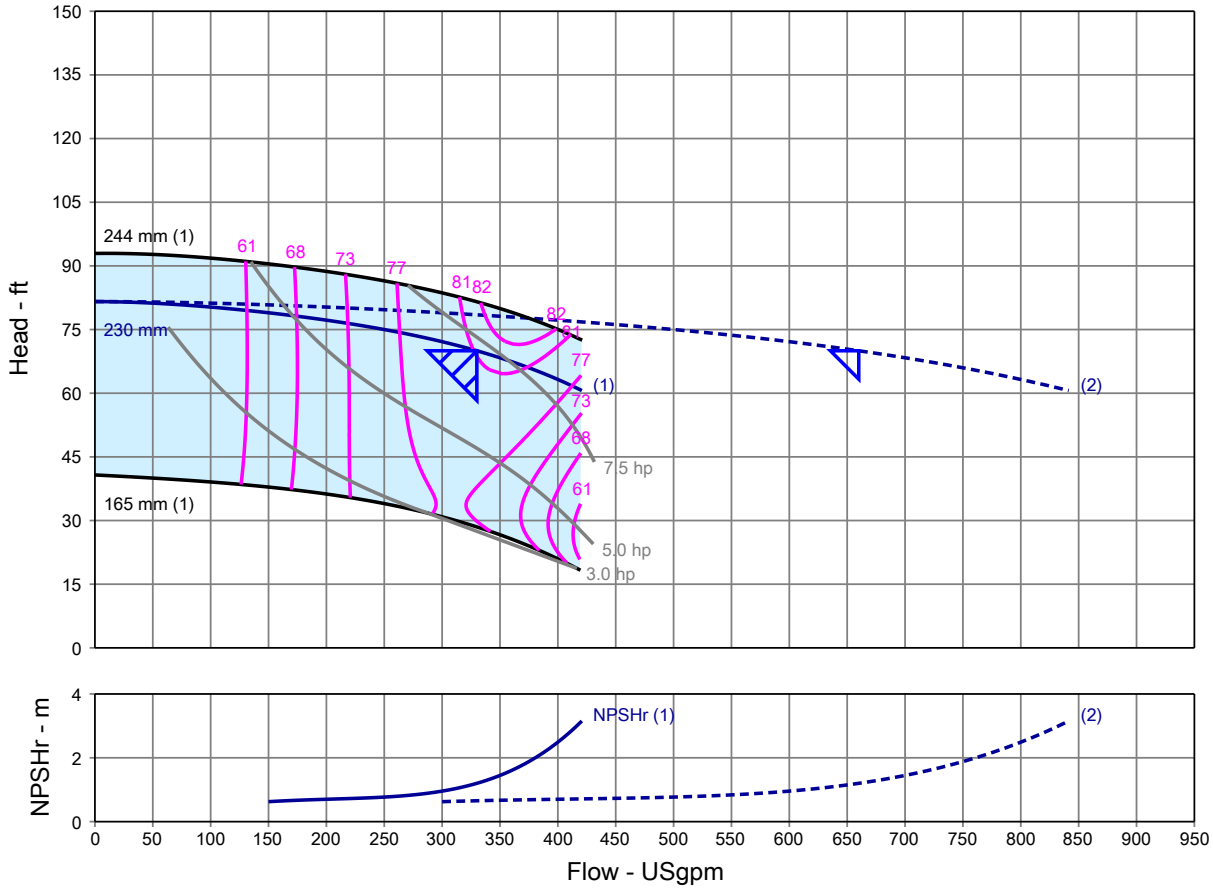
| | |
|---|---|
| Material selected | : Standard |

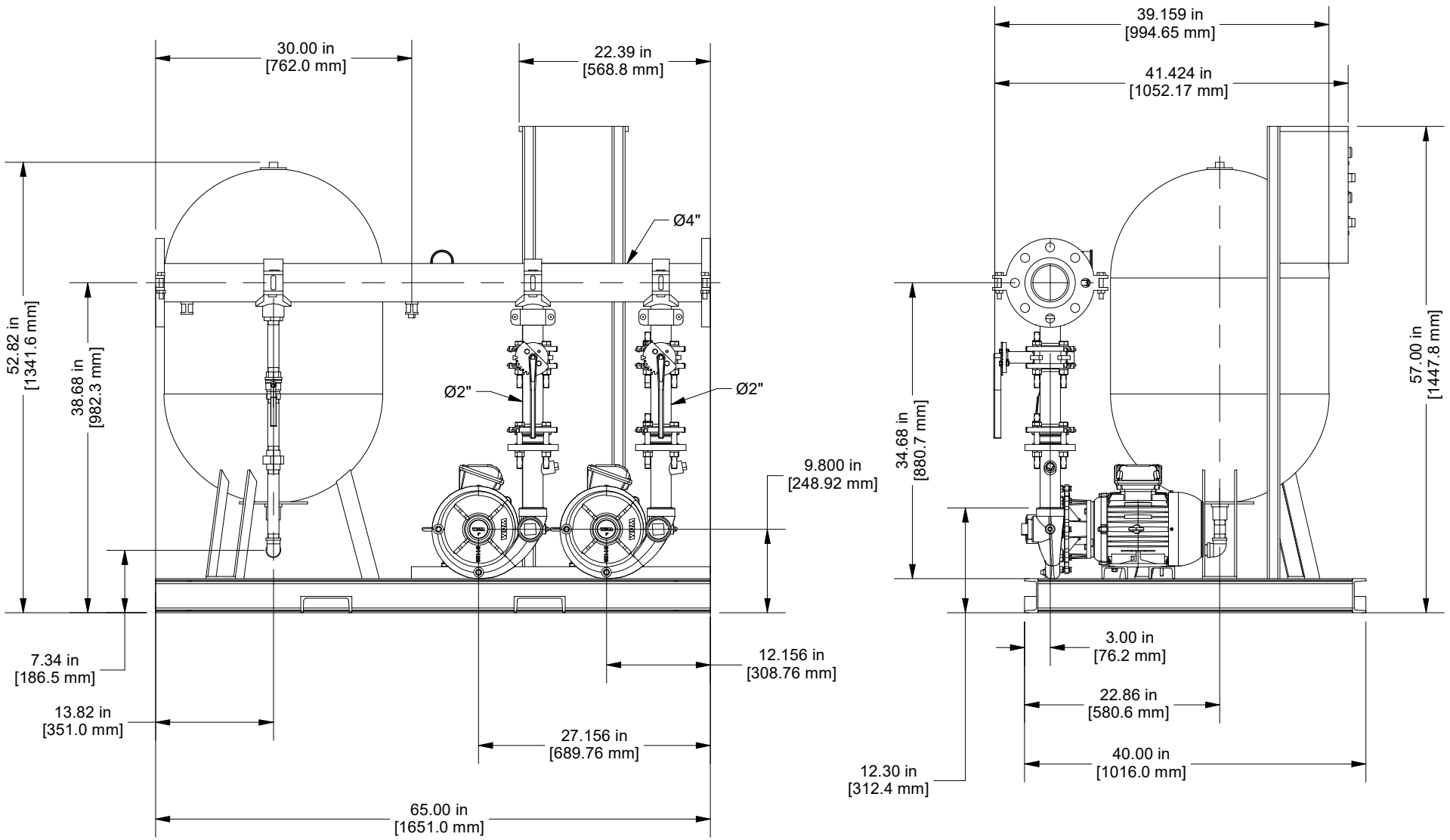
## Pressure Data

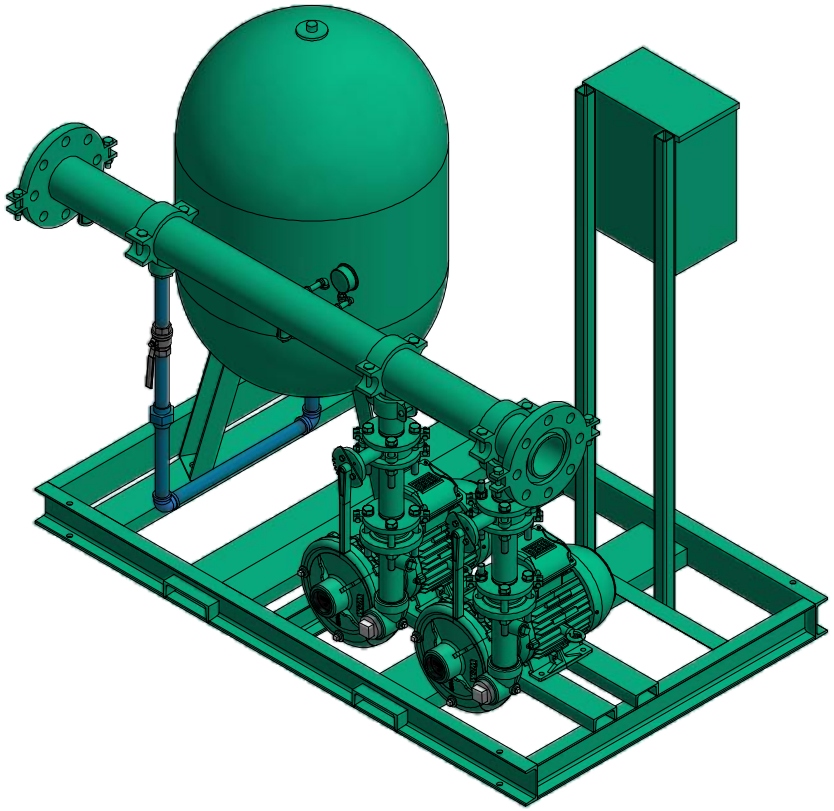
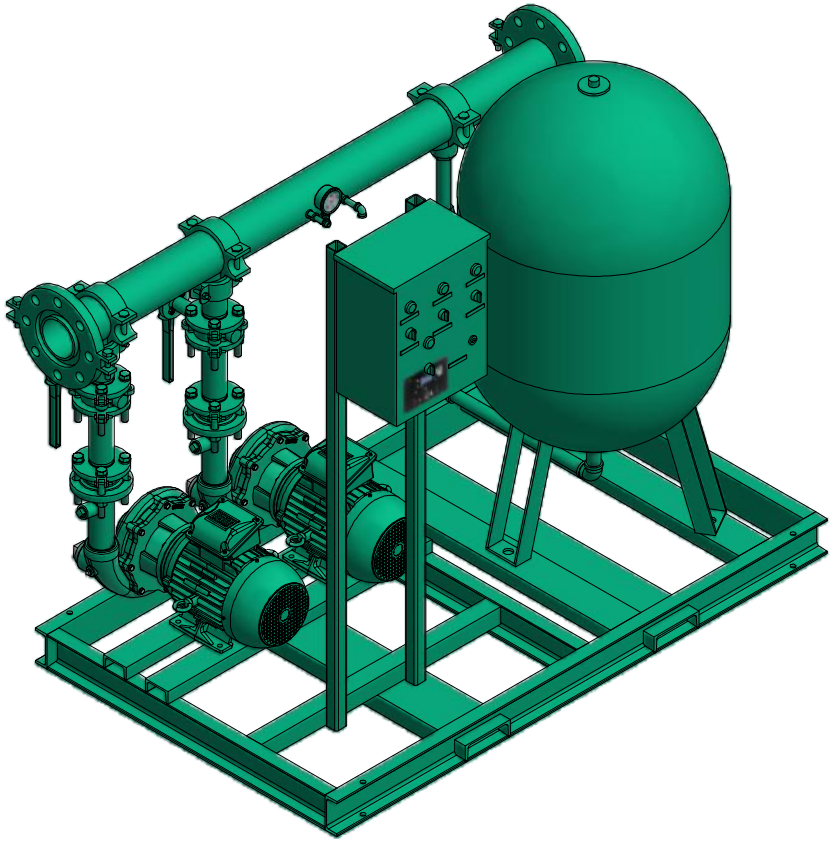
| | |
|---|---|
| Maximum discharge pressure | : 2.44 bar.g |
| Maximum allowable working pressure | : N/A |
| Maximum allowable suction pressure | : N/A |
| Hydrostatic test pressure | : N/A |

## Driver & Power Data (@Max density)

| | |
|---|---|
| Driver sizing specification | : Rated power |
| Margin over specification | : 0.00 % |
| Service factor | : 1.00 |
| Power, hydraulic | : 5.83 hp |
| Power, rated | : 7.19 hp |
| Power, maximum, rated diameter | : 8.54 hp |
| Minimum recommended motor rating | : 7.50 hp / 5.59 kW |






REFERENCE ONLY NOT EXACT DRAWING