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|--------------|-------------|------------|
| Customer | Date | 24.02.2020 |
| Contact | Project | |
| Phone number | Project no. | |
| Email | | |

3ST1H2D4

Operating data

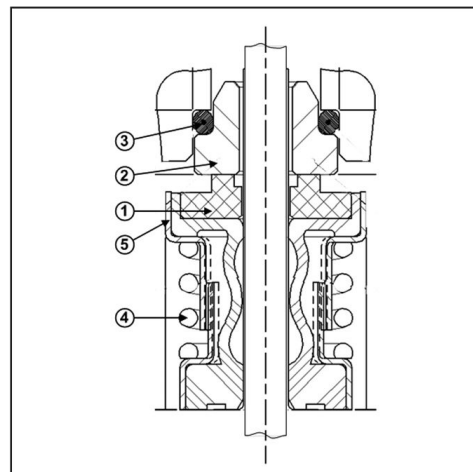
| | | | |
|---------------------------|-------------------|---------------------------|-----------------------------|
| Pump type | End Suction Pumps | Fluid | Water |
| No. of pumps / Reserve | 1 / 0 | Operating temperature t A | °F 39.2 |
| Nominal flow | US g.p.m. 0 | pH-value at t A | 7 |
| Nominal head | ft 0 | Density at t A | lb/ft ³ 62.4 |
| Static head | ft 0 | Kin. viscosity at t A | ft ² /s 1.689E-5 |
| Inlet pressure | psi 0 | Vapor pressure at t A | psi 14.5 |
| Environmental temperature | °F 68 | Solids | 0 |
| Available system NPSH | ft 0 | Altitude | ft 0 |

Pump data

| | | | |
|-----------------------|-------------------------|------------------|--------------------|
| Make | Goulds Water Technology | Nominal | US g.p.m. () |
| Speed | rpm 3500 | Flow | Max- US g.p.m. 145 |
| No. of stages | 1 | | Min- US g.p.m. |
| Max. casing pressure | psi | Nominal | ft |
| Max. working pressure | psi 36 | Head | at Qmax ft 52.2 |
| Head H(Q=0) | ft 83 | | at Qmin ft 83.1 |
| Weight | lb On demand | Shaft power | hp () |
| | Max. inch 5 1/8 | Max. shaft power | hp 3.3 |
| Impeller R | designed inch 4 1/2 | Efficiency | % |
| | Min. inch 3 5/8 | NPSH 3% | ft |

Shaft Seal

| | |
|----------------------|-----------------|
| Type 21 NPE | John Crane |
| NPE Mechanical Seal | |
| 1 - Rotating Face | Carbon |
| 2 - Stationary Face | Silicon Carbide |
| 3 - Elastomers | Viton |
| 4 - Metal Components | ALSI 316 SS |



Motor data

| | | | | | | | |
|-----------------|----------|----------------------|-------|------------|------------|------------------|----------|
| Manufacturer | Bluffton | Electric voltage | 208 V | Speed | 3500 rpm | Insulation class | B |
| Specific design | 3ph ODP | | | Frame size | 56J FOOTED | Colour | RAL 5010 |
| Type | | Electric current | 0 A | | | | |
| Rated power | 3 hp | Degree of protection | IP 55 | | | | |

Remarks:

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Pump Materials

| | |
|------------------------------------|--------------|
| 100-Casing | AISI 316L SS |
| 101-Impeller | AISI 316L SS |
| 108-Motor adapter | AISI 316L SS |
| 108A-Motor adapter seal vent/flush | AISI 316L SS |
| 123-Deflector | BUNA-N |
| 184-Seal housing | AISI 316L SS |
| 184 A-Seal housing seal vent/flush | AISI 316L SS |
| 347-Guidevane | AISI 316L SS |
| 349-Seal ring, guidevane | Viton |
| 370-Socket head screws, casing | AISI 410 SS |
| 371-Bolts, motor | Plated Steel |
| 408-Drain and vent plug, casing | AISI 316L SS |
| 412B-O-ring, drain and vent plug | Viton |
| 513-O-ring, casing | Viton |
| Motor-NEMA standard, 56J flange | - |

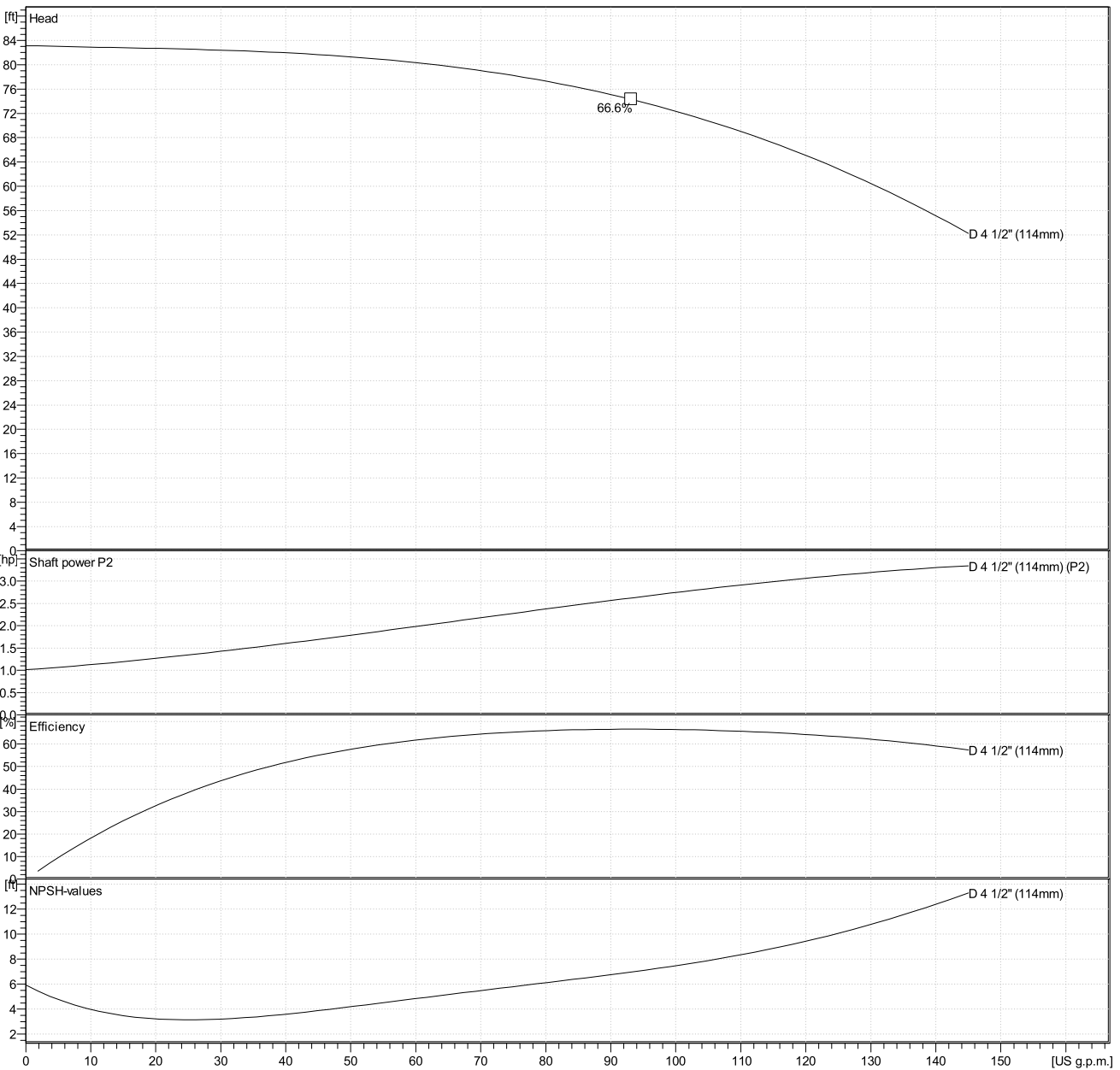
Remarks:

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Hydraulic Data

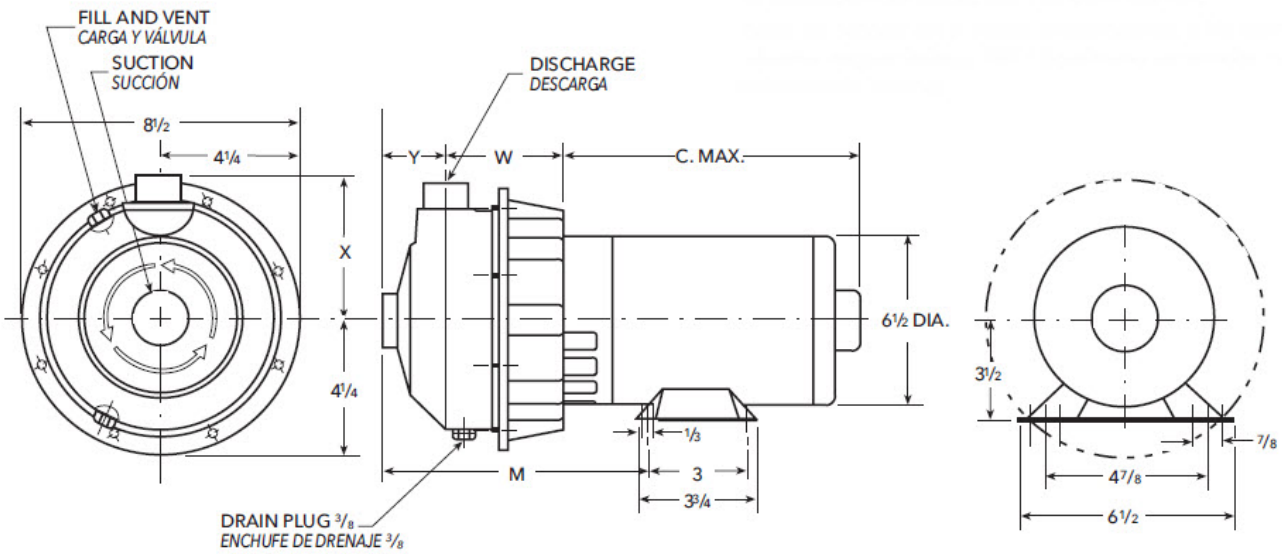
| Operating Data Specification | | Hydraulic data (duty point) | | Impeller design | |
|------------------------------|-------------|-----------------------------|--|-----------------|----------|
| Flow | 0 US g.p.m. | Flow | | Impeller R | 4 1/2" |
| Head | 0 ft | Head | | Frequency | 60 Hz |
| Static head | 0 ft | | | Speed | 3500 rpm |

Power datas referred to:
 Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s
 Performance according to ISO 9906 - Annex A



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Drawing



Dimensions inch

| | | | | | | |
|-----------|------------------|--|--|--|--|---------------------|
| C. Max | $13\frac{9}{16}$ | | | | | Weight On demand |
| Discharge | $1\frac{1}{2}$ | | | | | |
| M | $7\frac{7}{8}$ | | | | | |
| Suction | 2 | | | | | |
| W | $3\frac{3}{4}$ | | | | | |
| X | $4\frac{9}{8}$ | | | | | |
| Y | $2\frac{1}{8}$ | | | | | |