

|              |             |            |
|--------------|-------------|------------|
| Customer     | Date        | 11.03.2020 |
| Contact      | Project     |            |
| Phone number | Project no. |            |
| Email        |             |            |

# 5SV16GG4F60

## Operating data

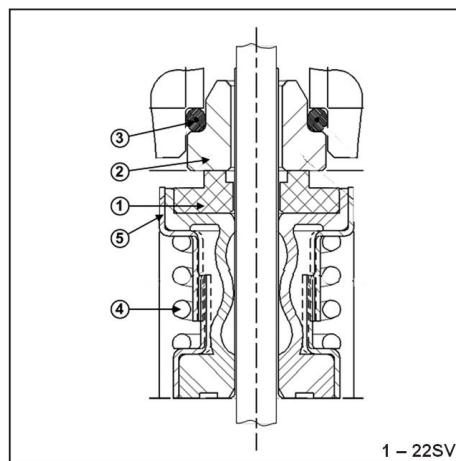
|                           |                   |                           |                |
|---------------------------|-------------------|---------------------------|----------------|
| Pump type                 | Multi-Stage Pumps | Fluid                     | Water          |
| No. of pumps / Reserve    | 1 / 0             | Operating temperature t A | °F 39.2        |
| Nominal flow              | US g.p.m. 30      | pH-value at t A           | 7              |
| Nominal head              | ft 415            | Density at t A            | lb/ft³ 62.4    |
| Static head               | ft 0              | Kin. viscosity at t A     | ft²/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. 30.6 ( 30.6 ) |
| Speed                 | rpm 3500                | Max-             | US g.p.m. 43.8          |
| No. of stages         | 16                      | Min-             | US g.p.m.               |
| Max. working pressure | psi 239                 | Nominal          | ft 431                  |
| Head H(Q=0)           | ft 550                  | at Qmax          | ft 267                  |
| Weight                | lb 139                  | at Qmin          | ft 551.3                |
| Efficiency            | % 70.4                  | Shaft power      | hp 4.6 ( 4.6 )          |
| NPSH 3%               | ft 6.1                  | Max. shaft power | hp 5.2                  |

## Shaft Seal

|                      |                                 |
|----------------------|---------------------------------|
| Single Seal          | Xylem                           |
| Mechanical Seals     |                                 |
| 1 - Rotating Face    | Carbon                          |
| 2 - Stationary Face  | Silicon Carbide Graphite Filled |
| 3 - Elastomers       | Viton                           |
| 4 - Spring           | 316SS                           |
| 5 - Metal Components | 316SS                           |



## Motor data

|                 |                                   |                  |        |                      |          |                  |          |
|-----------------|-----------------------------------|------------------|--------|----------------------|----------|------------------|----------|
| Manufacturer    | Baldor                            | Electric voltage | 208 V  | Speed                | 3500 rpm | Insulation class | F        |
| Specific design | 3ph TPE                           |                  |        | Frame size           | 184TC    | Colour           | RAL 5010 |
| Type            | 208-230/460V 184TC (V10A32E5BD2S) |                  |        | Degree of protection | TEPE     |                  |          |
| Rated power     | 5 hp                              | Electric current | 12.4 A |                      |          |                  |          |

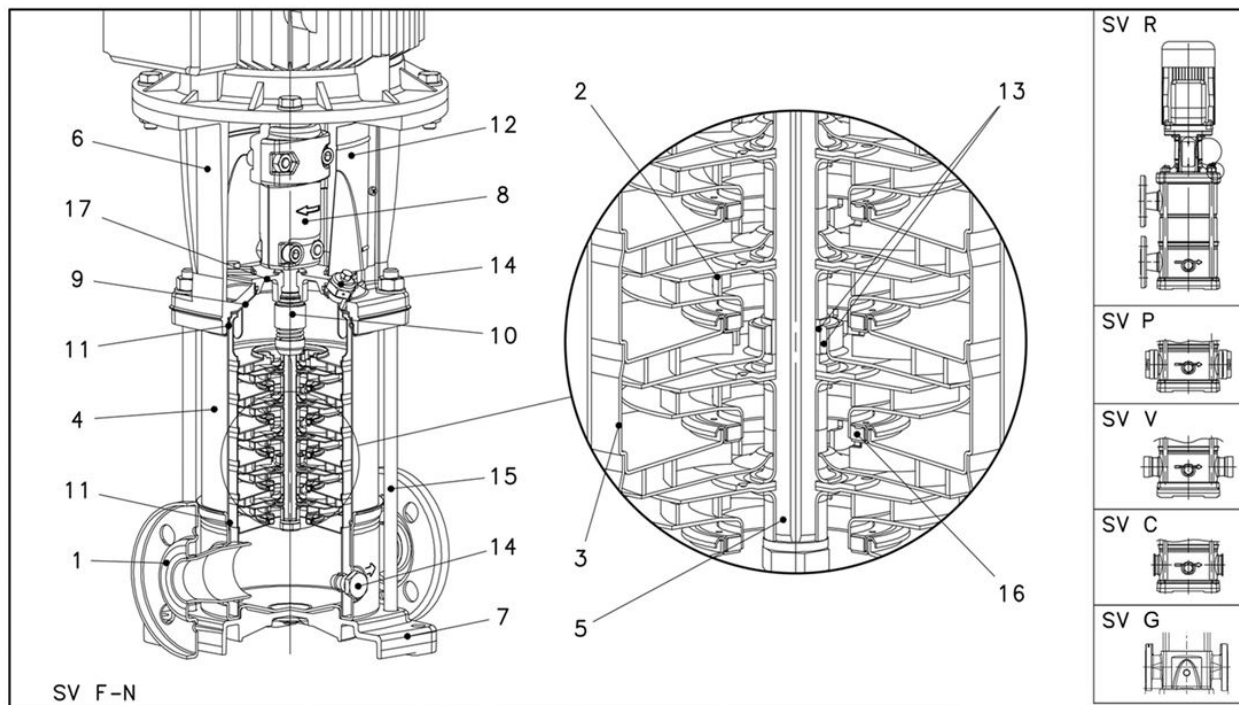
## Remarks:

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## Pump Materials

|                               |                                          |
|-------------------------------|------------------------------------------|
| 1 - Pump Body                 | Cast Iron (ASTM Class 35/40B)            |
| 2 - Impeller                  | Stainless Steel (AISI 304)               |
| 3 - Diffuser                  | Stainless Steel (AISI 304)               |
| 4 - Casing                    | Stainless Steel (AISI 316L)              |
| 5 - Shaft                     | Stainless Steel (AISI 316)               |
| 6 - Adapter                   | Cast Iron (ASTM Class 35/40B)            |
| 7 - Base                      | N/A                                      |
| 8 - Coupling                  | Aluminum (A384.0-F)                      |
| 9 - Seal Plate                | Stainless Steel (AISI 316L)              |
| 10 - Mechanical Seal          | Refer Mechanical Seals                   |
| 11 - Elastomers               | Refer Mechanical Seals                   |
| 12 - Coupling Guard           | Stainless Steel (AISI 304)               |
| 13 - Shaft Sleeve and Bushing | Tungsten carbide                         |
| 14 - Fill/Drain Plugs         | Stainless Steel (AISI 316)               |
| 15 - Tie Rods                 | Carbon Steel / Zinc Plated (A29 Gr.1045) |
| 16 - Wear Ring                | PPS                                      |
| 17 - Seal Gland               | Stainless Steel (AISI 316)               |



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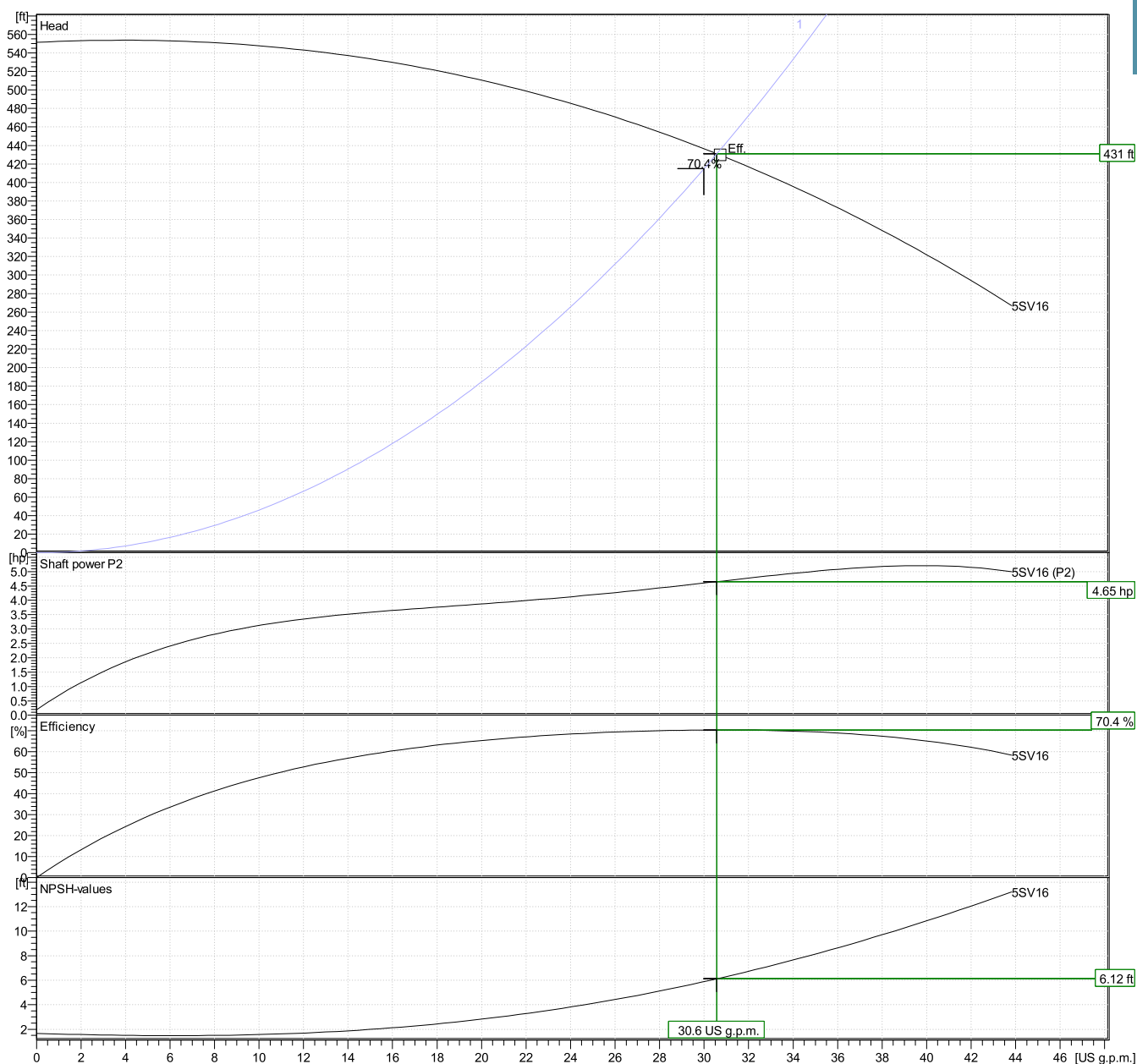
### Hydraulic Data

| Operating Data Specification |              | Hydraulic data (duty point) |                | Impeller design |          |
|------------------------------|--------------|-----------------------------|----------------|-----------------|----------|
| Flow                         | 30 US g.p.m. | Flow                        | 30.6 US g.p.m. | Impeller R      | "        |
| Head                         | 415 ft       | Head                        | 431 ft         | 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

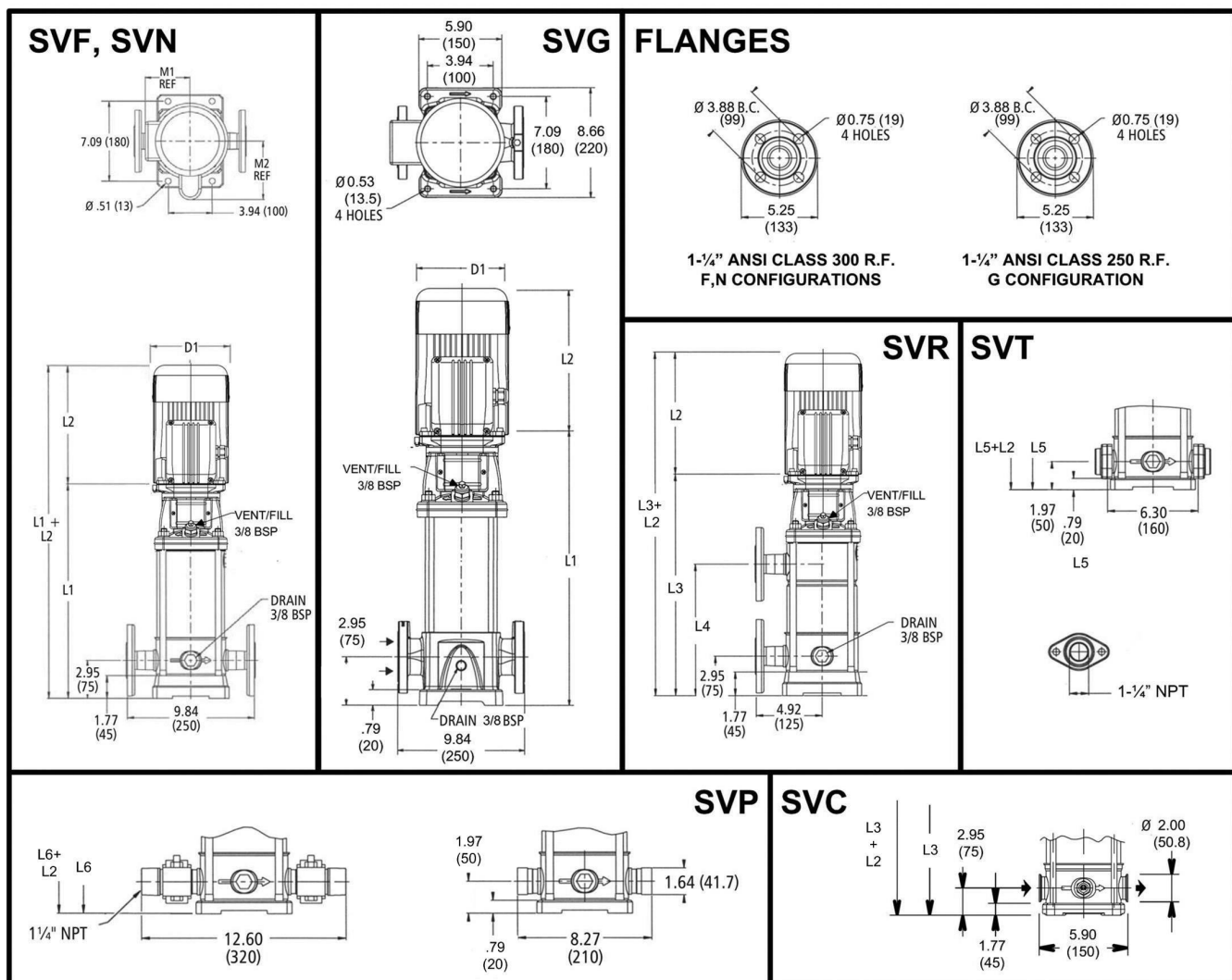
Performance according to ISO 9906 - Annex A



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## 5SV16GG4F60

### Drawing



### Dimensions inch

|            |         |  |  |  |  |        |
|------------|---------|--|--|--|--|--------|
| D1 max     | 8 1/2   |  |  |  |  | Weight |
| D2         | 8 7/8   |  |  |  |  | 139 lb |
| L1         | 27 3/8  |  |  |  |  |        |
| L2         | 15 3/16 |  |  |  |  |        |
| L3         | 27 3/8  |  |  |  |  |        |
| L4         | 18 3/8  |  |  |  |  |        |
| L6         | 26 3/8  |  |  |  |  |        |
| M.Ref      | 6 7/8   |  |  |  |  |        |
| NEMA Frame | 184TC   |  |  |  |  |        |