

|              |             |           |
|--------------|-------------|-----------|
| Customer     | Date        | 1/14/2021 |
| Contact      | Project     |           |
| Phone number | Project no. |           |
| Email        |             |           |

## 33SV10G300T

### Operating data

|                           |                  |                           |                          |
|---------------------------|------------------|---------------------------|--------------------------|
| Pump type                 | Single head pump | Fluid                     | Water, pure              |
| No. of pumps / Reserve    | 1 / 0            | Operating temperature t A | °C 4                     |
| Nominal flow              | l/s 0            | pH-value at t A           | 7                        |
| Nominal head              | m 0              | Density at t A            | kg/m <sup>3</sup> 1000   |
| Static head               | m 0              | Kin. viscosity at t A     | mm <sup>2</sup> /s 1.569 |
| Inlet pressure            | kPa 0            | Vapor pressure at t A     | kPa 100                  |
| Environmental temperature | °C 20            | Solids                    | 0                        |
| Available system NPSH     | m 0              | Altitude                  | m 0                      |

### Pump data

|                       |                  |                  |                 |
|-----------------------|------------------|------------------|-----------------|
| Make                  | Lowara           | Nominal          | l/s ( )         |
| Speed                 | rpm 2900         | Flow             | Max- l/s 11.1   |
| Number of stages      | 10               | Min-             | l/s             |
| Max. casing pressure  | kPa              | Nominal          | m               |
| Max. working pressure | kPa 2372.1       | Head             | at Qmax m 162.2 |
| Head H(Q=0)           | m 240            | at Qmin          | m 241.8         |
| Weight                | kg 319           | Shaft power      | kW ( )          |
| Max.                  | m 209.4          | Max. shaft power | kW 24.4         |
| Impeller R            | designed m 209.4 | Efficiency       | %               |
| Min.                  | m 209.4          | NPSH 3%          | m               |

### Pump Materials

|                          |                             |
|--------------------------|-----------------------------|
| Pump body                | Cast iron                   |
| Lower support            | Cast iron                   |
| Impeller                 | Stainless steel / AISI 316L |
| Diffuser                 | Stainless steel / AISI 304  |
| Outer sleeve             | Stainless steel / AISI 304  |
| Shaft                    | Stainless steel / AISI 431  |
| Adapter                  | Cast iron                   |
| Wear Ring                | Technopolymer PPS           |
| Coupling                 | Cast iron                   |
| Upper head               | Cast iron                   |
| SEAL HOUSING             | Cast iron                   |
| Coupling protection      | Stainless steel / AISI 304  |
| Shaft sleeve and bushing | Tungsten carbide            |
| Bushing for diffuser     | Carbon                      |
| Fill / drain plugs       | Stainless steel / AISI 316  |

### Shaft Seal

|                               |                          |
|-------------------------------|--------------------------|
| e-SV Mechanical seal          | Roten                    |
| e-SV - Uniten (-30 / +120 °C) |                          |
| 1 - Rotating part             | Silicon Carbide          |
| 2 - Stationary part           | Resin impregnated carbon |
| 3 - Elastomers                | EPDM                     |
| 4 - Springs                   | AISI 316                 |
| 5 - Other components          | AISI 316                 |

### Motor data

|                  |                               |                      |       |            |          |                  |          |
|------------------|-------------------------------|----------------------|-------|------------|----------|------------------|----------|
| Manufacturer     | Lowara by Omega               | Electric voltage     | 400 V | Speed      | 2965 rpm | Insulation class | 155 (F)  |
| Specific design  | IE3 Three phase surface motor |                      |       | Frame size | 200      | Colour           | RAL 5010 |
| Type             | 3MAS 200LA2 V1 30KW E3        |                      |       |            |          |                  |          |
| Rated power      | 30 kW                         | Degree of protection | IP55  |            |          |                  |          |
| Electric current | 52.2 A                        |                      |       |            |          |                  |          |

### Remarks:

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## 33SV10G300T

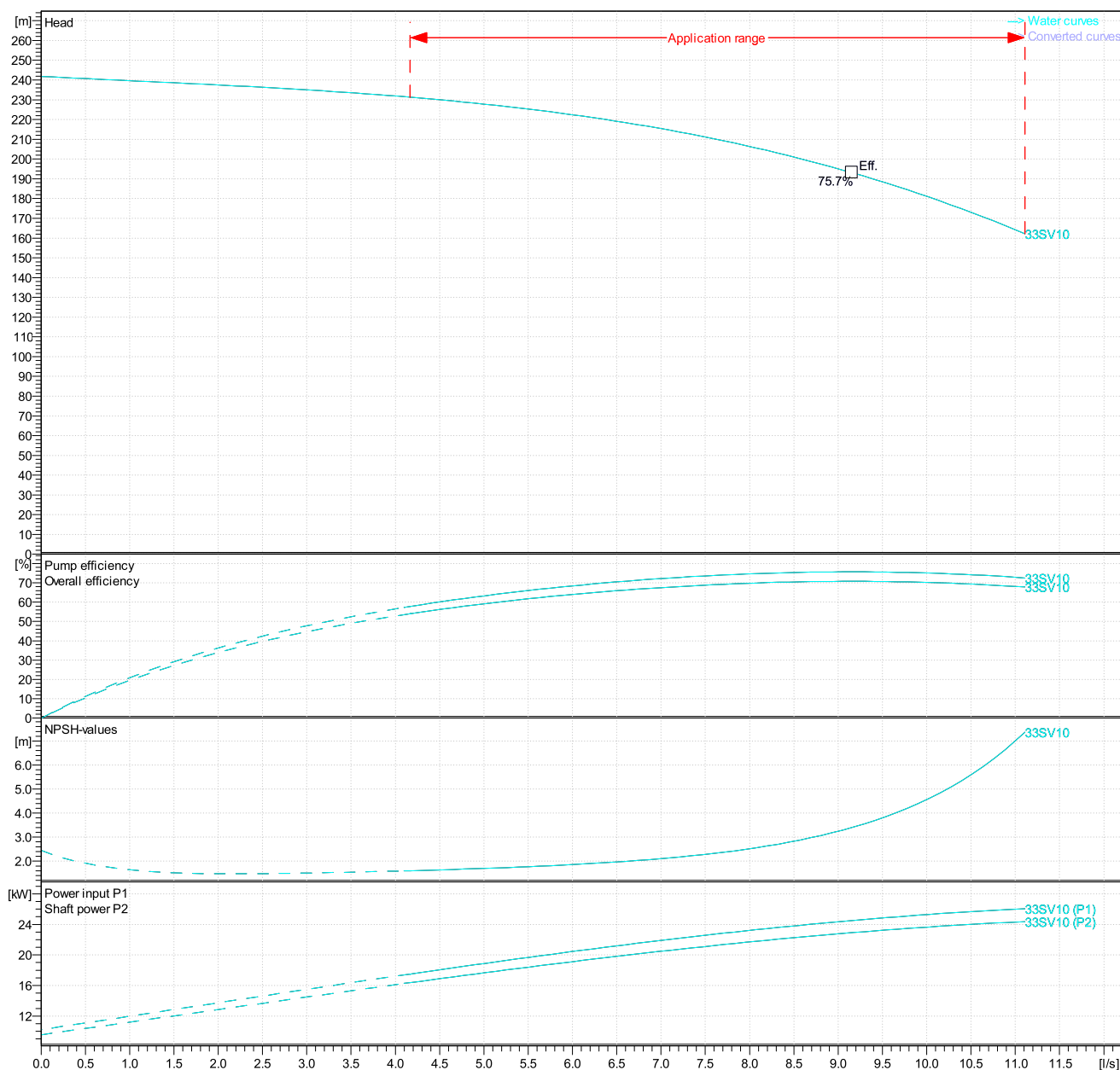
### Hydraulic data

| Operating Data Specification |       | Hydraulic data (duty point) | Impeller design |          |
|------------------------------|-------|-----------------------------|-----------------|----------|
| Flow                         | 0 l/s | Flow                        | Impeller R      | 209.45 m |
| Head                         | 0 m   | Head                        | Frequency       | 50 Hz    |
| Static head                  | 0 m   | MEI >=0,7                   | Speed           | 2900 rpm |

#### Power datas referred to:

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

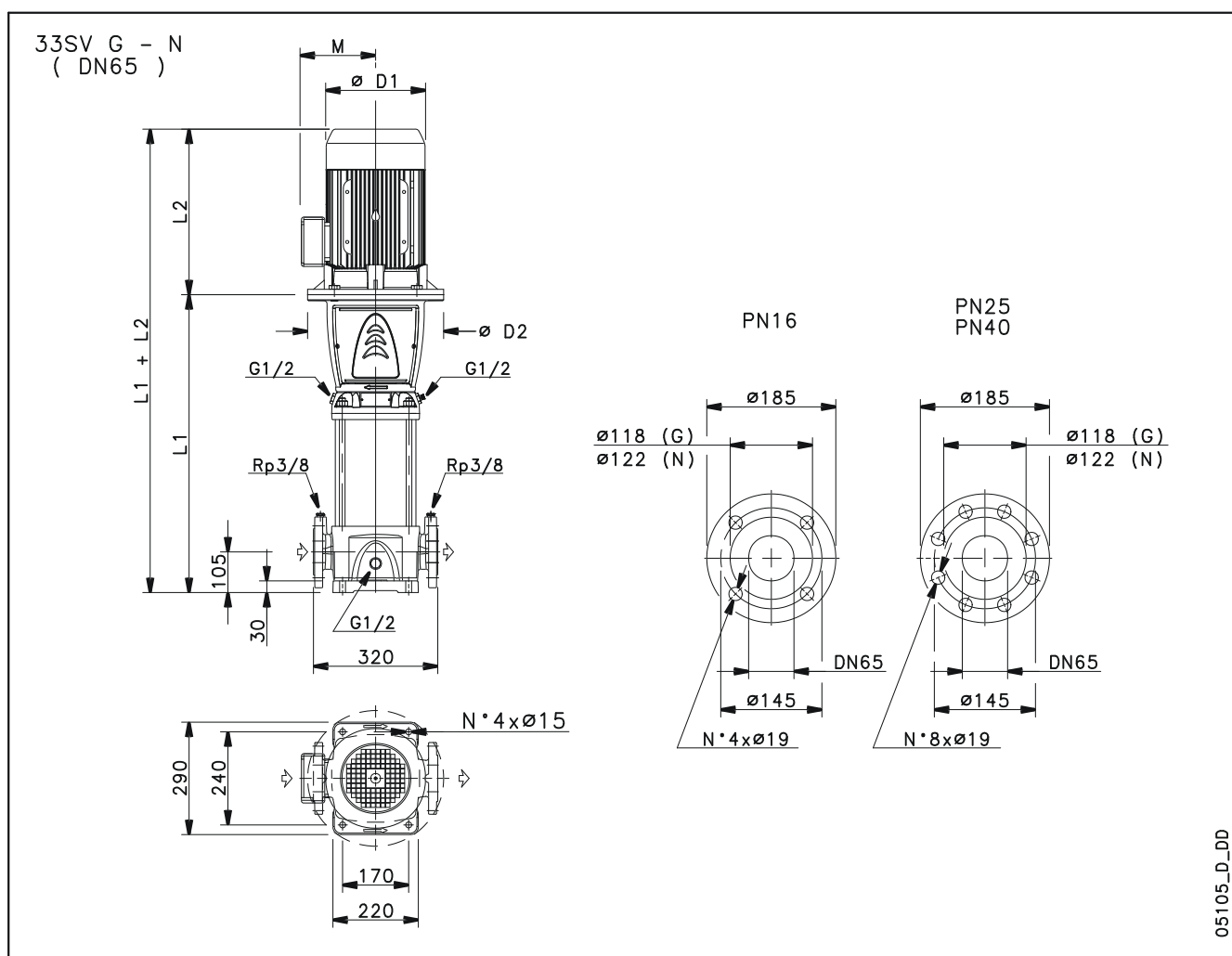
Performance according to ISO 9906:2012 – Grade 3B



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## 33SV10G300T

### Drawing



### Dimensions m

|    |        |  |  |  |  |        |
|----|--------|--|--|--|--|--------|
| D1 | 633.07 |  |  |  |  | Weight |
| D2 | 629.92 |  |  |  |  | 319 kg |
| L1 | 1919.7 |  |  |  |  |        |
| L2 | 1034.6 |  |  |  |  |        |
| M  | 499.21 |  |  |  |  |        |