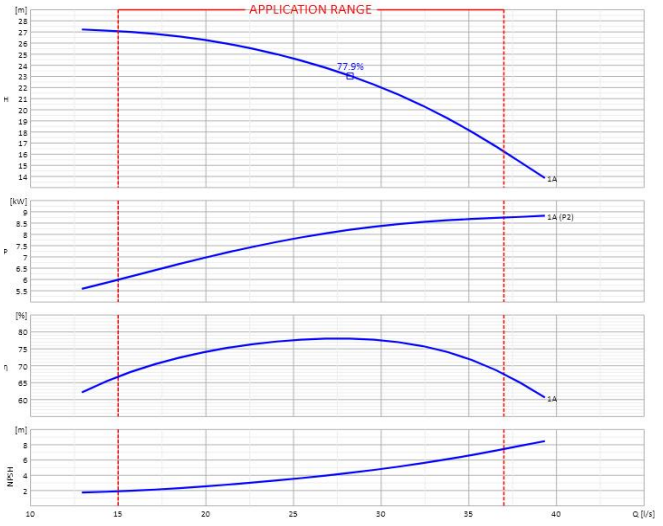
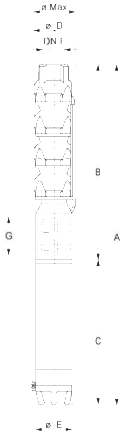
# TECHNICAL DATA SHEET

| Customer: | | | | Ref.: | | | |
|---|---|---|---|---|---|---|---|
| Item | | Quantity | | Required flow | n.d. | Required head | n.d. |
| Type | SUBMERSIBLE ELECTRIC PUMP | | | Model | **E8P95/1A+MAC612A-8V** | | |




Dimensions [mm]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **A** | 1265 | **E** | 143 | | | | |
| **B** | 565 | **F** | G5 | | | | |
| **C** | 700 | **G** | 165.5 | | | | |
| **D** | 192 | **Ø max** | 203 | | | | |

## OPERATING DATA- ISO 9906:2012 3B -

| Q [l/s] | H [m] | P [kW] | η [%] | NPSH [m] |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

## CONSTRUCTION CHARACTERISTICS

| | | |
|---|---|---|
| Delivery diameter | G5 | n.d. |
| Max. overall diameter | 203 | mm |
| Weight of electric pump | 83.5 | Kg |
| No. Stages | 1 | |
| Motor seal | Mechanical | |
| Type of installation | Vertical | |

## OPERATING LIMITS

| | | | |
|---|---|---|---|
| Pumped liquid | | Water | |
| Max. temp. of pumped liquid (*) | | 40 | °C |
| Maximum density | | 1 | kg/dm³ |
| Maximum viscosity | | 1 | mm²/s |
| Maximum solid content | | 100 | g/m³ |
| Max. number of starts/hr | | 20 | |
| Minimum immersion depth | | 507.5 | mm |

## OPERATING CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| Service flow rate | | n.d. | | n.d. |
| Service head | | n.d. | | n.d. |
| Qmin | Qmax | 15 | 37 | l/s |
| H (Q=0) | Hmax (Qmin) | 30.04 | 27.03 | m |
| Power consumption at duty point | | n.d. | | n.d. |
| Pump efficiency | Overall efficiency | n.d. | n.d. | n.d. |
| Max. pump efficiency (B.E.P.) | | 77.9 | | n.d. |
| Sense of rotation (**) | | Anticlockwise | | |
| Number of pumps installed | | Operating | | Stand-by |
| | | 1 | | 0 |

## ELECTRIC MOTOR CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| Nominal power | | 9.2 | | kW |
| Rated frequency | | 50 | | Hz |
| Rated voltage | | 400 | | V |
| Rated current | | 20.7 | | A |
| No. Poles | Nominal speed | 2 | 2900 | 1/min |
| Insulation class | Protection class | n.d. | | IP68 |

*Certified motor for use with drinking water*

## PUMP MATERIALS

| | |
|---|---|
| Diffuser unit | Cast iron |
| Suction casing | Nodular cast iron |
| Impeller | Cast iron |
| Shaft | Stainless steel |
| Coupling | Stainless steel |
| Pump shaft bearing bush | Stainless steel/rubber |
| Valve casing | Cast iron |
| Conical valve | Stainless steel |
| Strainer | Stainless steel |
| Wear ring | Steel/Rubber |

## MOTOR MATERIALS

| | |
|---|---|
| Shaft | Stainless steel |
| Sand guard | Rubber |
| Rotor | Electrical steel |
| Stator | Electrical steel |
| Stator shell | Stainless steel |
| Winding | Green wire |
| Lower bracket | Cast iron |
| Mechanical seal | Silicon carbide/silicon carbide |
| Bearing | Graphite |
| Thrust-bearing | Brass/Synthetic compound |
| Thrust-bearing foot slip | Cast iron |
| Diaphragm | Rubber |
| Diaphragm cover | Technopolymer |
| Upper bracket | Cast iron |

**Notes:**

(*) Speed of the water outside the jacket of the motor v=0.5 m/s

(**) View from delivery port.

In case of VSD operation, refer to Use and Maintenance Instructions of the electric pump.

| OFFER No. | Pos. | Date 16/01/2020 |
|---|---|---|

T400IT-V01