



1 Contact Details

| | | | | | | | | | | | | | |
|-------------------|----------------------|---|----------------------|---|----|------------|----------------------|----------|----------------------|---|----------------------|---|----------------------|
| Date (DD/MM/YY) | <input type="text"/> | / | <input type="text"/> | / | 20 | Rev | <input type="text"/> | Due date | <input type="text"/> | / | <input type="text"/> | / | <input type="text"/> |
| Project / Company | <input type="text"/> | | | | | | | Phone | <input type="text"/> | | | | |
| Contact Person | <input type="text"/> | | | | | | | E-Mail | <input type="text"/> | | | | |

2 Order Specification

| | | | | | |
|--------------------------|-----------------------|--------------------------|-----------|--------------------------|----------------------|
| <input type="checkbox"/> | Pump | <input type="checkbox"/> | Re-order* | Pump Serial No.* | <input type="text"/> |
| <input type="checkbox"/> | Pump set (with motor) | <input type="checkbox"/> | New Order | * old fabrication number | |

3 Pump Application and Installation

| | | | | | | | |
|------------------------------|--------------------------|---------|--------------------------|--------------------------|--------------------------|----------------------|----------------------|
| Pump Quantity | <input type="text"/> | For Run | <input type="text"/> | For Standby | <input type="text"/> | | |
| Pump Application | <input type="text"/> | | | | | | |
| Operation hours per day | <input type="text"/> | hours | <input type="text"/> | | | | |
| Location | <input type="checkbox"/> | Indoor | <input type="checkbox"/> | Outdoor | Min. Ambient Temperature | °C | <input type="text"/> |
| Altitude above the Sea Level | <input type="text"/> | m | <input type="text"/> | Max. Ambient Temperature | °C | <input type="text"/> | |
| Humidity | <input type="text"/> | % | Min. | <input type="text"/> | Max. | <input type="text"/> | |

4 Conveying Conditions

| | | | | | | | | |
|-------------------------------------|--------------------------|--------------------|--------------------------|--------------------------|----------------------------|----------------------|----------------------|----------------------|
| Slurry Flowrate | <input type="text"/> | m ³ /h | Min. | <input type="text"/> | Norm. (Operating point) | <input type="text"/> | Max. | <input type="text"/> |
| Total Delivery Head | <input type="text"/> | m | Min. | <input type="text"/> | Norm. | <input type="text"/> | Max. | <input type="text"/> |
| Type of Pumping Liquid | <input type="text"/> | | | | | | | |
| Type of Solids Admixtures | <input type="text"/> | | | | | | | |
| Corrosive parts | <input type="text"/> | | | | | | | |
| Working Temperature (ta) | <input type="text"/> | °C | <input type="text"/> | Concentration of Solids | Weight, % | <input type="text"/> | | |
| Vapour Pressure at ta | <input type="text"/> | bar | <input type="text"/> | Mineral Weight of Solids | kg/l | <input type="text"/> | | |
| Density of mixture | <input type="text"/> | kg/l | <input type="text"/> | Max. grain size | µm | <input type="text"/> | | |
| Kinematic viscosity at ta | <input type="text"/> | mm ² /s | <input type="text"/> | Min. grain size | µm | <input type="text"/> | | |
| Froth Factor | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No | Middle grain size, d50 | µm | <input type="text"/> | |
| Froth Factor considered in Capacity | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No | pH Value | <input type="text"/> | | |

* All data at ta



| 5 Pipeline Characteristics | | | Suction Pipe | Pressure Pipe |
|----------------------------|------------|--------|--------------|---------------|
| Material of the pipe | | | | |
| Pressure level PN | | | | |
| Inside diameter DN | mm | | | |
| Length | m | | | |
| Local loss | Slide gate | pieces | | |
| | Valve | pieces | | |
| | Foot valve | pieces | | |
| | Elbow 90° | pieces | | |
| | Elbow 45° | pieces | | |
| | Others | | | |

6 Seal Type

Gland Seal Mechanical Seal HGD Expeller Yes No

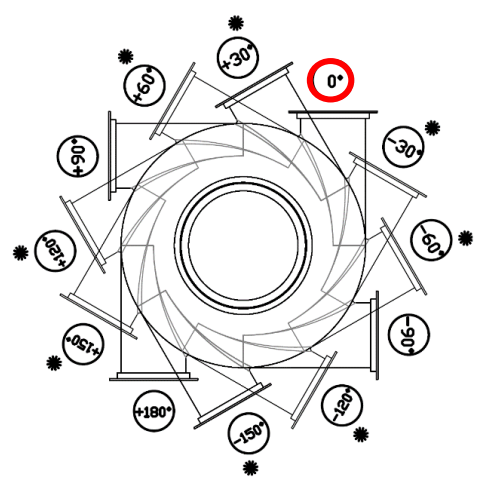
7 Drive Requirements

| | | | | | |
|------------------|--------------------------|----------------|-----------------------|--------------------------|--|
| Motor type | <input type="checkbox"/> | Electric Motor | Voltage | V | |
| Other | <input type="checkbox"/> | | Frequency | Hz | |
| Direct coupling | <input type="checkbox"/> | V-belt | IP Protection | | |
| Efficiency class | IE | | Variable Speed Drives | <input type="checkbox"/> | Yes <input type="checkbox"/> No <input type="checkbox"/> |

| | | | | | | |
|--------------|--------------------------|--------|--------------------------|--------------|--------------------------|---------------------------|
| Start Method | <input type="checkbox"/> | Direct | <input type="checkbox"/> | Soft Starter | <input type="checkbox"/> | Variable Frequency Driver |
|--------------|--------------------------|--------|--------------------------|--------------|--------------------------|---------------------------|

8 Discharge Flange Orientation

| | |
|---|----|
| Discharge Flange Orientation (Front View) Note: 0° is Standard | 0° |
|---|----|



11 Drive Installation

Horizontal Type

| | | | | | | |
|---|---|---|---|------------|-------|------|
| A | B | C | D | Motor side | right | left |
| | | | | | | |

Vertical Type

Submersible Type

| | | | | | | |
|---|------------------|---|------------------|---|-----------|---|
| E | Wet installation | F | Dry installation | G | Sump pump | H |
| | | | | | | |

12 Additional Options

| | | | | | | | | | | | |
|--|------|----|----|-----------------|--|---------------|----|----|--|--|--|
| Control Box* (technical requirements must be provided) | | | | | | | | | | | |
| Frequency converter | | | | | | | | | | | |
| Suction side | | | | | | Pressure side | | | | | |
| Taper piece | DIN | DN | PN | | | DIN | DN | PN | | | |
| | ANSI | DN | PN | | | ANSI | DN | PN | | | |
| Colour and type of painting if different from the standard Red RAL Code 3000 | | | | RAL 3000 | | | | | | | |

13 Existing Pump Data

| | | | | | | | | | | | |
|---------------------|-----|--|-----------------|--|-------------------|---------------------|--|--|--|--|--|
| Pump Brand | | | | | Gear Ratio | | | | | | |
| Pump Type | | | | | | | | | | | |
| Motor Power | kW | | | | Frequency | Hz | | | | | |
| Motor Rated Speed | Rpm | | | | Voltage | V | | | | | |
| Motor rated Current | A | | | | Drive Arrangement | Direct Drive | | | | | |
| Pump Rated Speed | rpm | | | | | Belt Drive | | | | | |
| | | | | | | Frequency converter | | | | | |
| Gland Seal | | | Mechanical Seal | | | Expeller | | | | | |