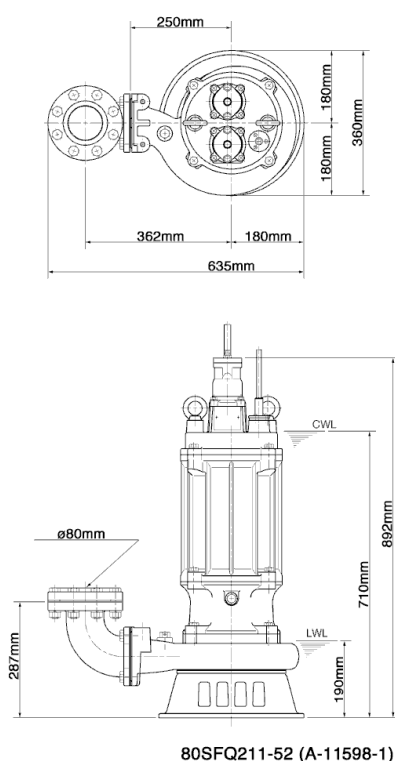
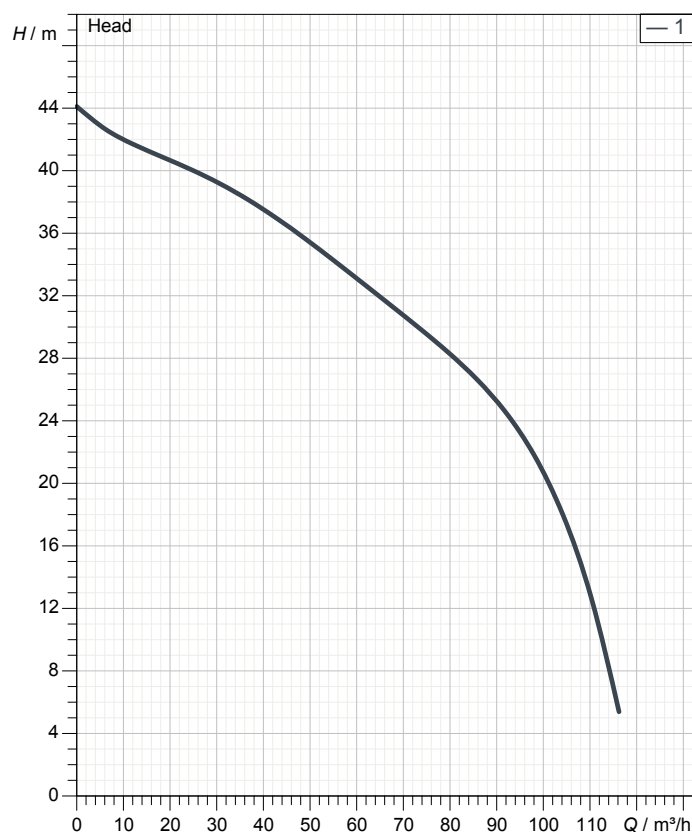


# Data sheet 80SFQ211-52



80SFQ211-52 (A-11598-1)

CWL: Continuous running water level  
LWL: Lowest running water level



## Specification

Electric submersible pump SFQ-series  
Degree of protection IP 68  
Pressure resistance max. 15 m  
Type of impeller Semi-open  
Max. solid handling 30 mm  
Suitable for:  
corrosive liquids

## Electric motor

Dry-type submersible induction motor  
Insulation class F 2 Poles 2935 1/min  
Starting mode Star-delta  
Rated voltage 400 V 50 Hz 3~  
Power uptake 12,60 kW  
Rated power 11,00 kW  
Rated current 21 A  
Start current 157,9 A

## Cable

10m NSSHÖU-J 4Cx2,5mm²/NSSHÖU-J 3Cx2,5mm²/2PNCT 2Cx2mm²

## Motor Protection

Miniature protector in windings  
(snap-action bi-metal device)

## Shaft seal

Double inside mechanical seal in oil bath  
additional lubrication by oil lifting device  
Primary seal  
Silicon carbide on silicon carbide  
Secondary seal  
Silicon carbide on silicon carbide

## Bearings

Shielded ball bearings, maintenance-free

## Materials

|               |                              |
|---------------|------------------------------|
| Impeller      | SCS14 (SUS GX5CrNiMo19-11-2) |
| Pump casing   | SCS14 (SUS GX5CrNiMo19-11-2) |
| Suction cover | SCS14 (SUS GX5CrNiMo19-11-2) |
| Motor Frame   | SCS14 (SUS GX5CrNiMo19-11-2) |
| Shaft         | SUS316 (EN-X5CrNiMo17-12-2)  |

## Discharge size

80mm JIS10K flange

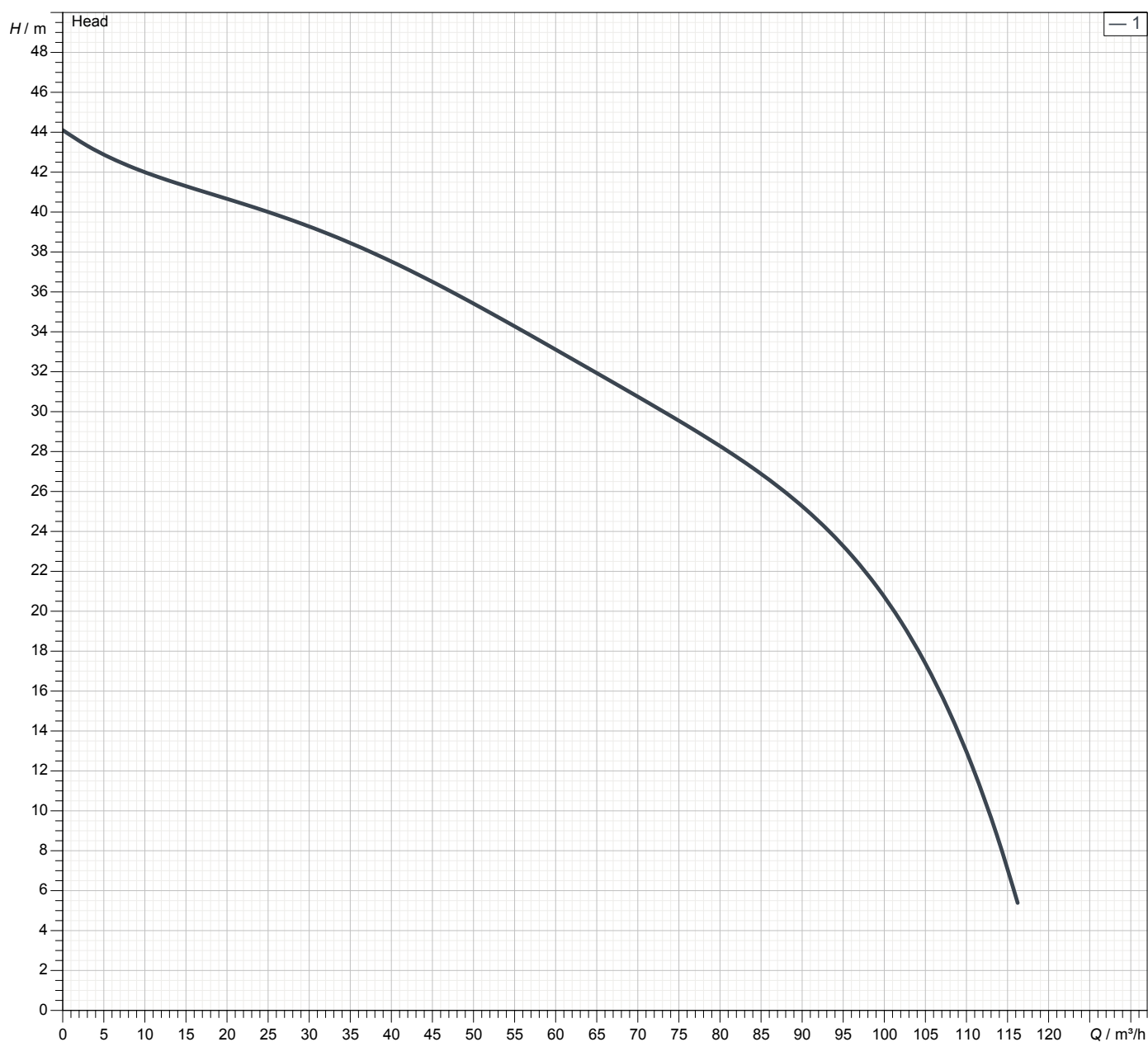
## Weight

143 kg (dry weight of the pump only without cable)

# Performance curve

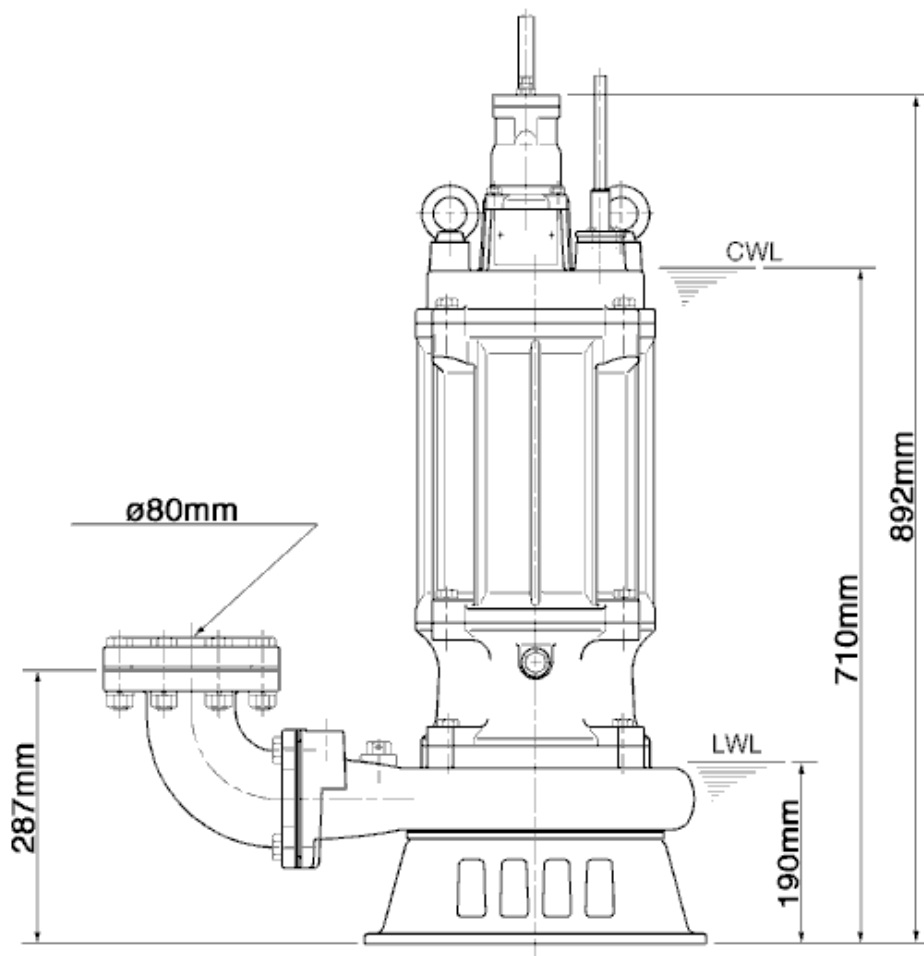
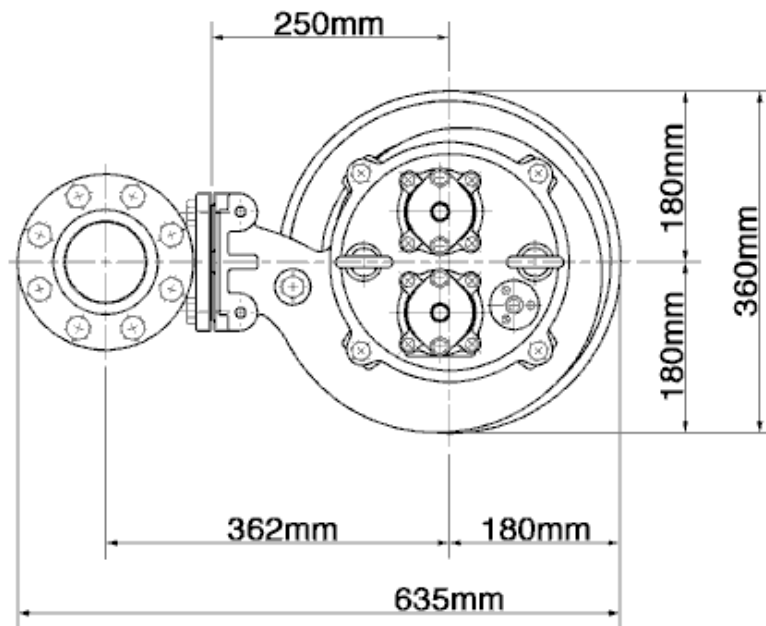
## 80SFQ211-52

|                  |            |
|------------------|------------|
| Discharge port   | 3"         |
| Head             | 44,1 m     |
| Flow             | 116,2 m³/h |
| Rated power      | 11,00 kW   |
| Power input      | 12,60 kW   |
| Phases           | 3~         |
| Voltages         | 400 V      |
| Frequency        | 50 Hz      |
| Rated current    | 21 A       |
| Starting current | 52,64 A    |
| Number of poles  | 2          |
| Speed            | 2935 1/min |
| Starting mode    | Star-delta |
| Insulation class | F          |



# Dimensions

## 80SFQ211-52

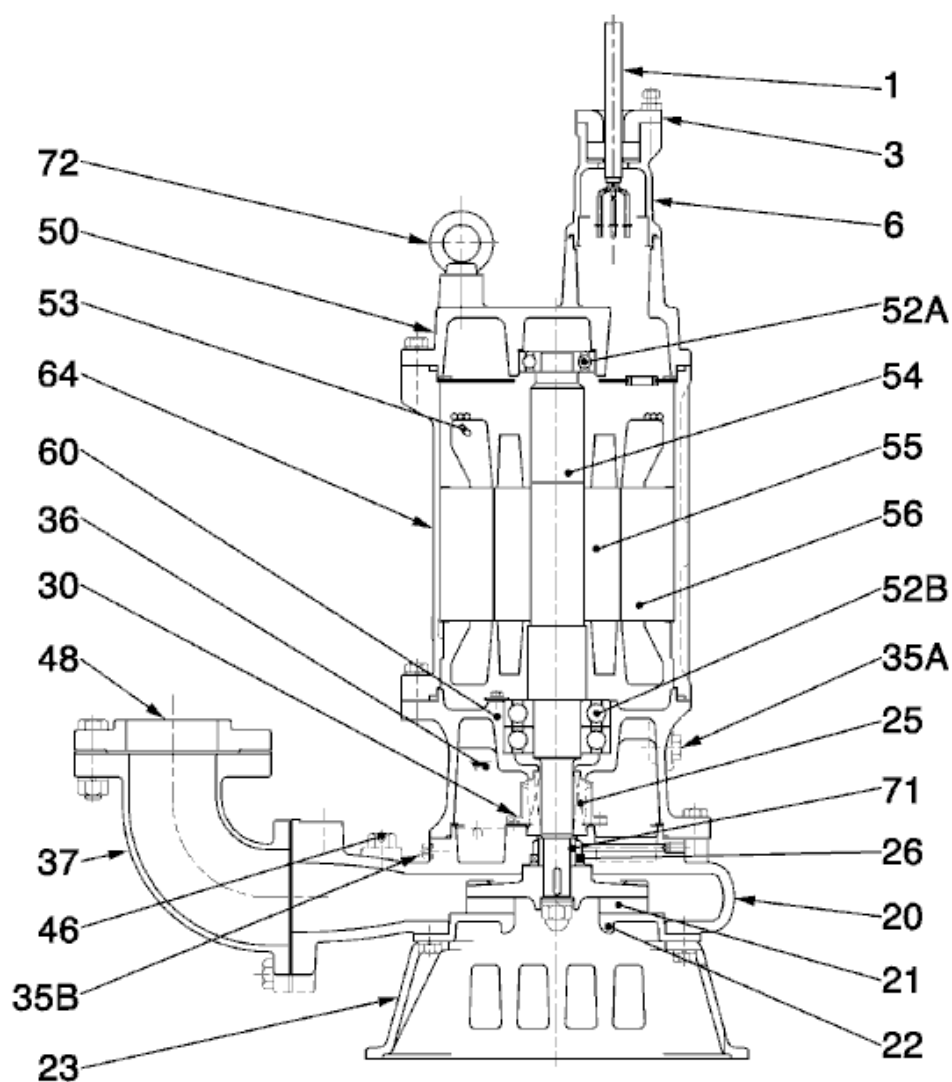


80SFQ211-52 (A-11598-1)

CWL: Continuous running water level  
LWL: Lowest running water level

# Sectional drawing

## 80SFQ211-52



80SFQ211-52 (A-11602-1)

| No. | Description       | Remark                       | No. | Description                   | Remark                       |
|-----|-------------------|------------------------------|-----|-------------------------------|------------------------------|
| 1   | Cable (3x)        | NSSHÖU-J                     | 50  | Motor cover                   | SCS14 (SUS GX5CrNiMo19-11-2) |
| 3   | Gland (2x)        | SCS14 (SUS GX5CrNiMo19-11-2) | 52A | Upper bearing                 | 6306ZZC3                     |
| 6   | Stuffing box (2x) | SCS14 (SUS GX5CrNiMo19-11-2) | 52B | Lower bearing                 | 6309ZZD2C3                   |
| 20  | Pump casing       | SCS14 (SUS GX5CrNiMo19-11-2) | 53  | Circle thermal protector (3x) | .                            |
| 21  | Impeller          | SCS14 (SUS GX5CrNiMo19-11-2) | 54  | Shaft                         | SUS316 (EN-X5CrNiMo17-12-2)  |
| 22  | Suction cover     | SCS14 (SUS GX5CrNiMo19-11-2) | 55  | Rotor                         | .                            |
| 23  | Strainer          | SCS14 (SUS GX5CrNiMo19-11-2) | 56  | Stator                        | .                            |
| 25  | Mechanical seal   | X-30W                        | 60  | Bearing Housing               | SCS14 (SUS GX5CrNiMo19-11-2) |
| 26  | Oil seal          | TC35508                      | 64  | Motor Frame                   | SCS14 (SUS GX5CrNiMo19-11-2) |
| 30  | Oil distributor   | Plastic                      | 71  | Shaft protection sleeve       | SUS316 (EN-X5CrNiMo17-12-2)  |
| 35A | Oil screw         | SUS316 (EN-X5CrNiMo17-12-2)  | 72  | Eye screw (2x)                | SUS316 (EN-X5CrNiMo17-12-2)  |
| 35B | Oil screw         | SUS316 (EN-X5CrNiMo17-12-2)  |     |                               |                              |
| 36  | Lubricant         | Turbine oil (ISO VG32)       |     |                               |                              |
| 37  | Discharge bend    | SCS14 (SUS GX5CrNiMo19-11-2) |     |                               |                              |
| 46  | Air vent valve    | SUS316 (EN-X5CrNiMo17-12-2)  |     |                               |                              |
| 48  | Screwed Flange    | SCS14 (SUS GX5CrNiMo19-11-2) |     |                               |                              |