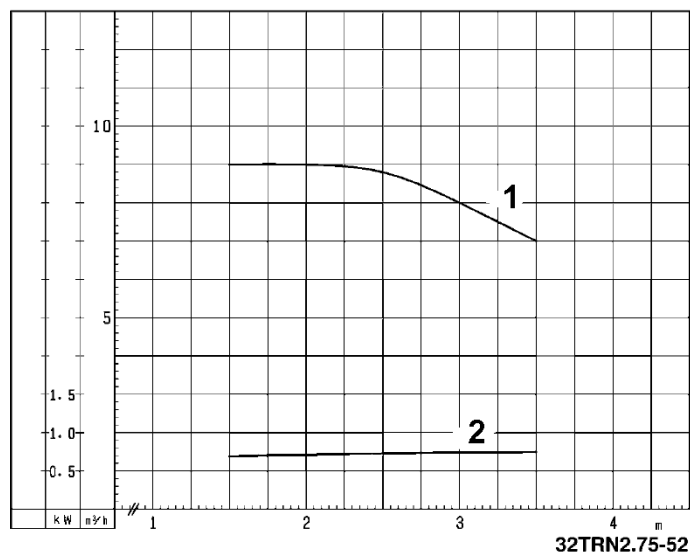
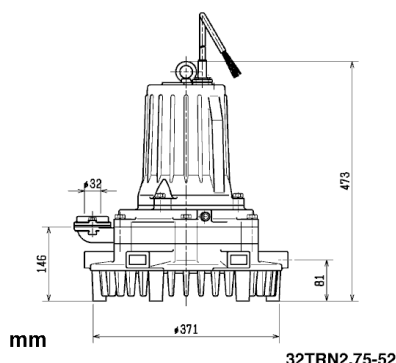
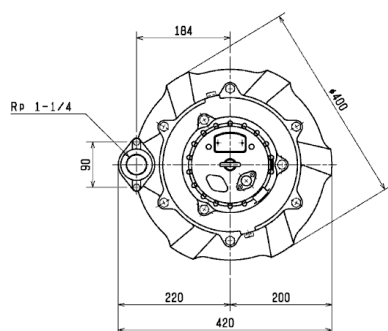




1 ... Air quantity - Water depth

2 ... Output kW - Water depth

## Specification

Electric submersible aerator  
Degree of protection IP 68  
Pressure resistance max. 3,5 m (self-aspiring)  
Open type / closed type impeller  
Free passage  
aeration of activated sludge  
(municipal sewage, food industry)

## Electric motor

Dry-type submersible induction motor  
Insulation class F, 2 poles, 2920 r.p.m.  
Starting mode Direct on line start  
Rated voltage 400V, 50Hz, 3-phase  
Rated power 0,75 kW  
Power uptake 1,34 kW  
Rated current 2,4 A  
Start current 22,0 A

## Cable

10m NSSHÖU 4Cx1,5mm²

## Motor Protection

Circle thermal protector  
(snap-action bi-metal device)

## Weight

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

## Air passage

1,25" Gewindeflansch

## Shaft seal

Double inside mechanical seal in oil bath

Primary seal

Silicon carbide on silicon carbide

Secondary seal

Ceramic on carbon

## Bearings

Shielded ball bearings, maintenance-free

## Materials

|                 |                         |
|-----------------|-------------------------|
| Impeller        | SCS13 (EN GX5CrNi19-10) |
| Suction cover   | SCS1 (DIN 1.4008)       |
| Guide vane      | FC200 (EN-GJL-200)      |
| Air passage     | FC200 (EN-GJL-200)      |
| Bearing Housing | FC150 (EN-GJL-150)      |
| Shaft           | SUS420J2 (EN-X30Cr13)   |

## Noise level

54 d-BA under following conditions:  
water depth 3,5 mAq

Silencer is set 1,6m above ground level.  
Microphone for measurement is placed at a distance of 1m from the silencer and 1,6m above ground level.

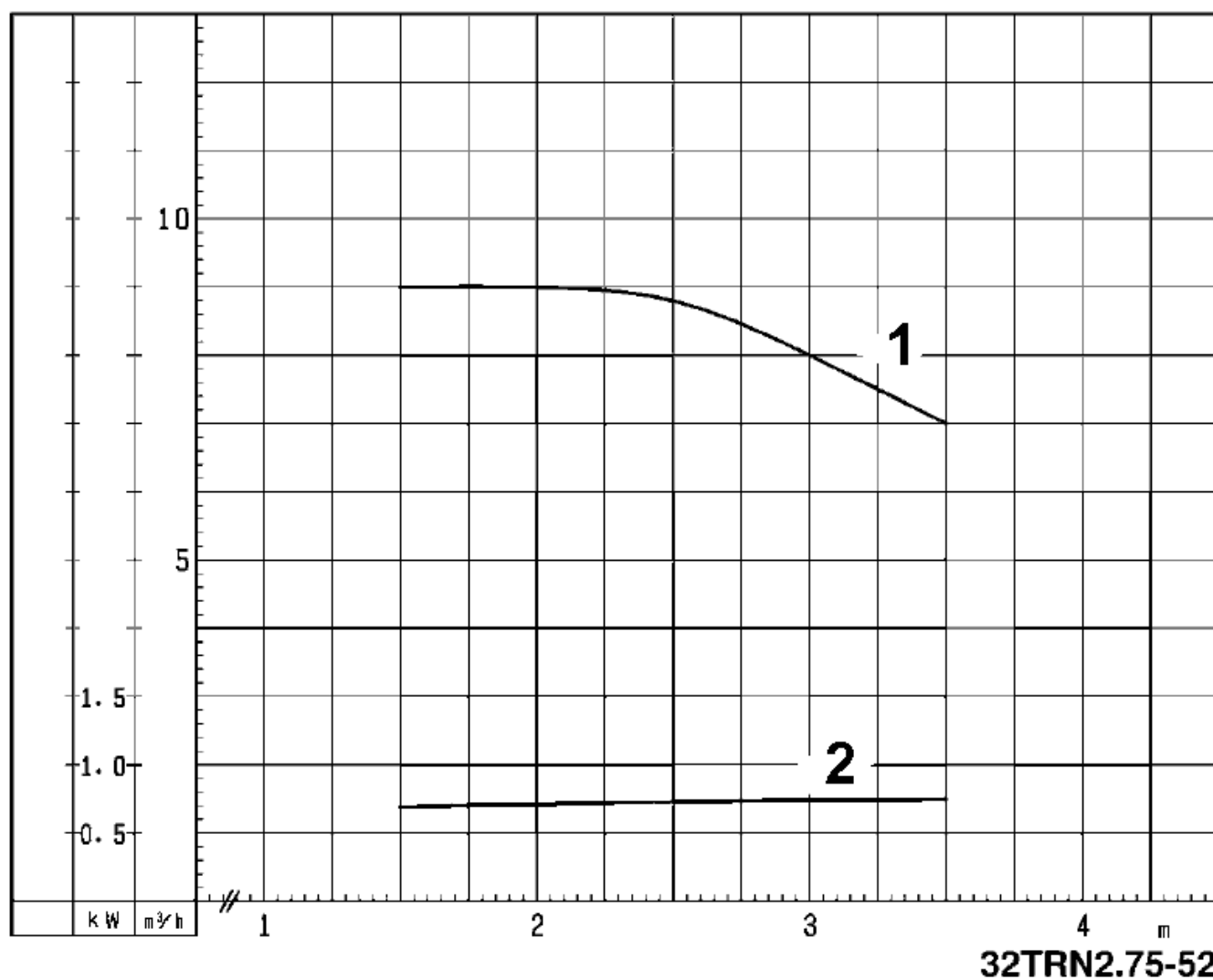
## Lifting chain (not included)

Straight chain ø5mm (102kg), shackle ø6mm (140kg)

# Performance curve

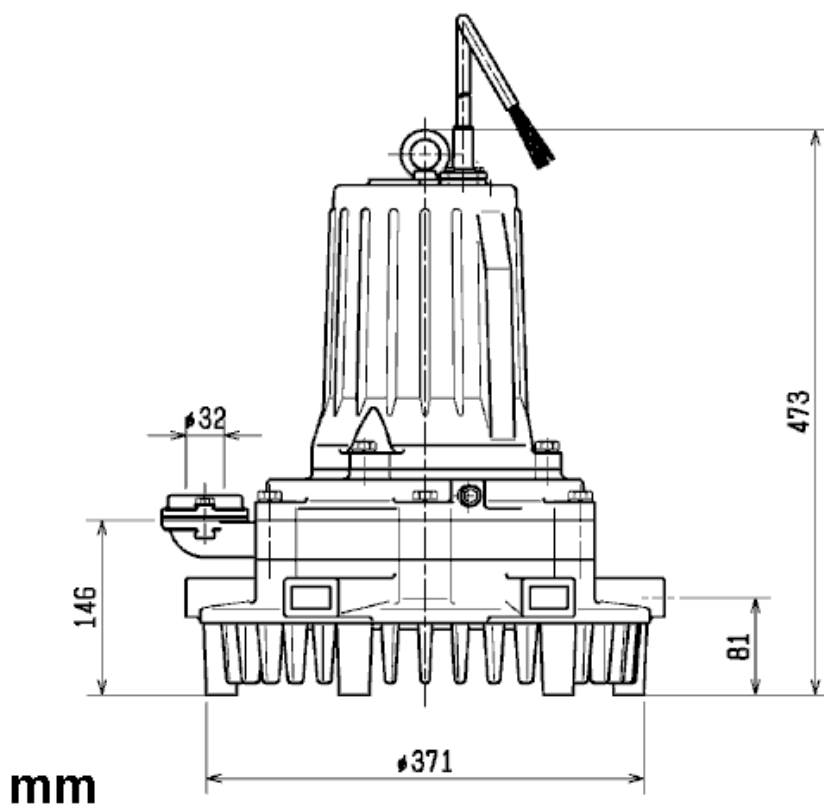
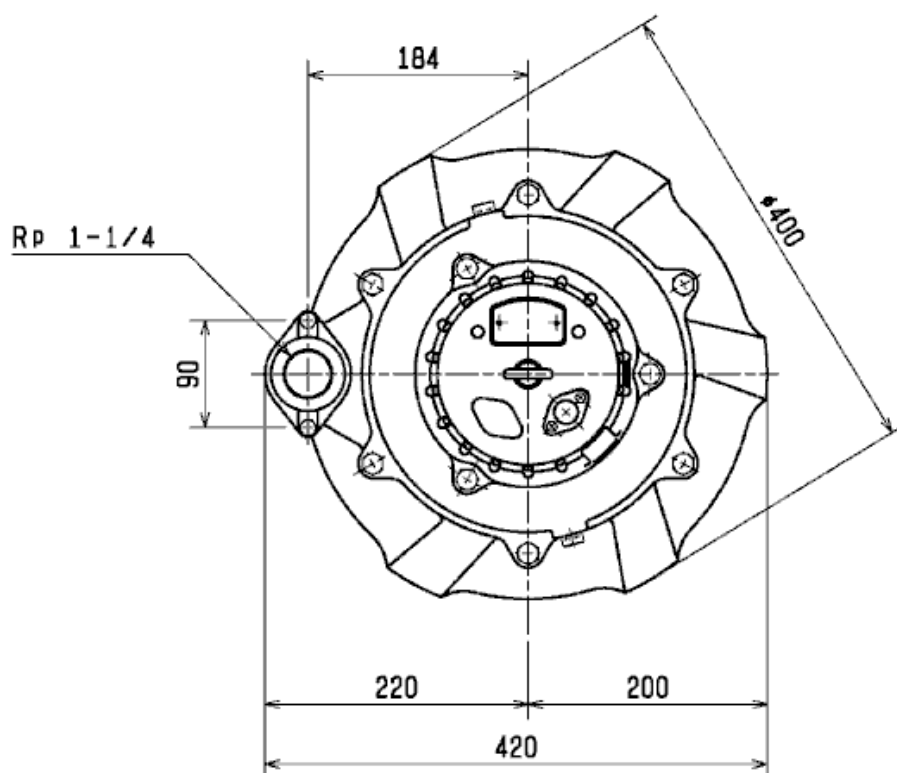
## 32TRN2.75-52

|                  |                      |
|------------------|----------------------|
| Air passage      | 1,25"                |
| Air quantity     | 7,0 Nm³/h            |
| water depth      | 3,5 mAq              |
| max. water depth | 3,5 mAq              |
| Rated power      | 0,75 kW              |
| Power input      | 1,34 kW              |
| Phases           | 3                    |
| Voltages         | 400 V                |
| Frequency        | 50 Hz                |
| Rated current    | 2,4 A                |
| Starting current | 22,0 A               |
| Number of poles  | 2                    |
| Speed            | 2920 U/min           |
| Starting mode    | Direct on line start |
| Insulation class | F                    |



# Dimensions

## 32TRN2.75-52



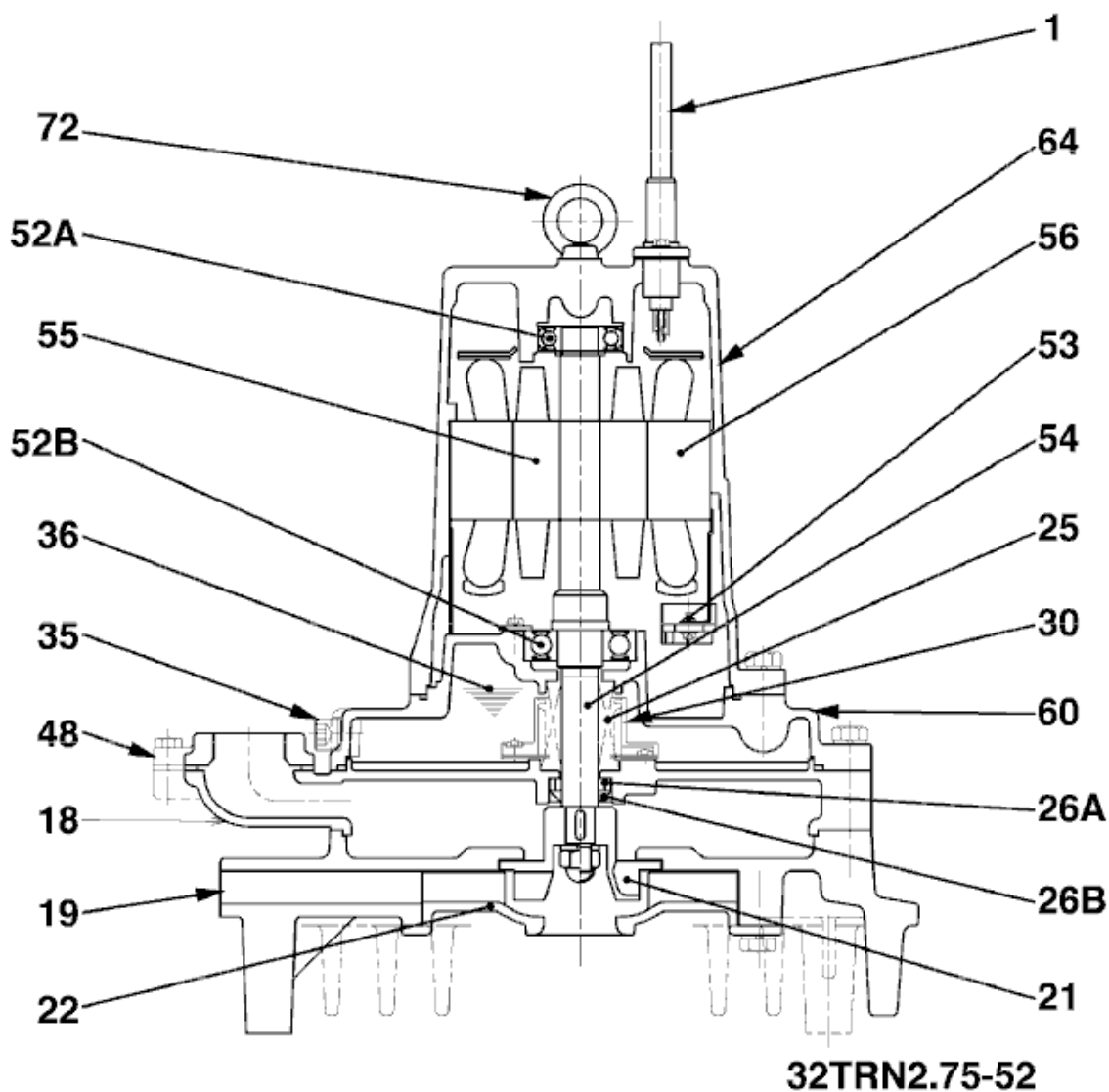
mm

32TRN2.75-52

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

# Sectional drawing

## 32TRN2.75-52



32TRN2.75-52

| No. | Description                       | Remark                  | No. | Description     | Remark                  |
|-----|-----------------------------------|-------------------------|-----|-----------------|-------------------------|
| 1   | Connection cable                  | NSSHÖU                  | 55  | Rotor           | .                       |
| 18  | Air passage                       | FC200 (EN-GJL-200)      | 56  | Stator          | .                       |
| 19  | Guide vane                        | FC200 (EN-GJL-200)      | 60  | Bearing Housing | FC150 (EN-GJL-150)      |
|     | Impeller                          | SCS13 (EN GX5CrNi19-10) | 64  | Motor Frame     | FC150 (EN-GJL-150)      |
| 22  | Suction cover                     | SCS1 (DIN 1.4008)       | 72  | Eye screw       | SUS304 (EN-X5CrNi18-10) |
| 25  | Mechanical seal                   | H-20A                   |     |                 |                         |
| 26A | Distance piece                    | Carbon steel pipe       |     |                 |                         |
| 26B | Oil seal                          | VC20356                 |     |                 |                         |
| 30  | Oil distributor                   | Plastic                 |     |                 |                         |
| 35  | Oil screw (2x)                    | SUS304 (EN-X5CrNi18-10) |     |                 |                         |
| 36  | Lubricant                         | Turbine oil (ISO VG32)  |     |                 |                         |
| 48  | Screwed Flange                    | FC200 (EN-GJL-200)      |     |                 |                         |
| 52A | Upper bearing                     | 6204ZZC3                |     |                 |                         |
| 52B | Lower bearing                     | 6305ZZC3                |     |                 |                         |
| 53  | Motor Protector 380/400/415V-50Hz | KA314-HRXL00 (H.C)      |     |                 |                         |
| 54  | Shaft                             | SUS420J2 (EN-X30Cr13)   |     |                 |                         |