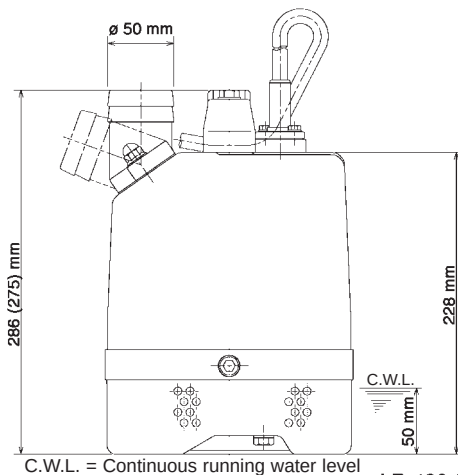
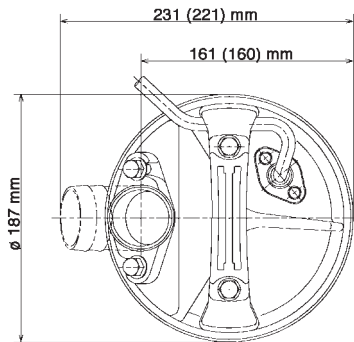


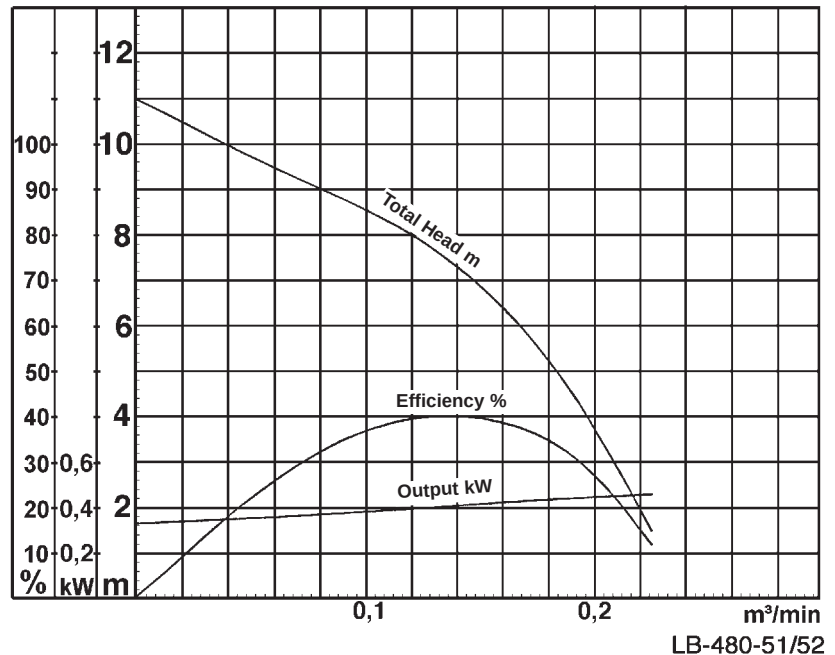
# Data Sheet LB-480-51/52



C.W.L. = Continuous running water level

LB-480-51/52

Dimensions of LB-480-51 in brackets



LB-480-51/52

## Classification

Electric submersible pump  
Protection class IP68  
Depth of submersion max. 20m  
Semi-vortex impeller  
Max. solid handling 6mm  
Suitable for rain water, font water, ground water, sand carrying water

## Electric Motor

Dry-type submersible induction motor  
Insulation class E, 2 poles, 2610 r.p.m.  
Capacitor start  
Voltage: 110V/230V, 50Hz, 1-phase  
Power input: 0,59kW  
Power output: 0,48kW  
Nominal current: 6,2A(110V) / 2,9A(230V)  
Start current: 14,2A(110V) / 6,8A(230V)

## Electric cable

10m H07RN-F 3Cx1,5mm² (110V)  
10m H07RN-F 3Cx1mm² (230V)

## Motor Protection

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

## Shaft Seal

Double mechanical seal in oil bath  
Primary Seal:  
silicon carbide on silicon carbide  
Secondary Seal:  
carbon on ceramic

## Bearings

Shielded ball bearings, maintenance-free

## Materials

|                |                           |
|----------------|---------------------------|
| Impeller:      | Urethane rubber           |
| Casing:        | Ethylene propylene rubber |
| Suction Plate: | Ethylene propylene rubber |
| Motor frame:   | Aluminium alloy casting   |
| Shaft:         | SUS403 (EN-X6Cr13)        |

## Discharge Connection

2" (50mm) BS-Coupling (threaded flange)

## Weight

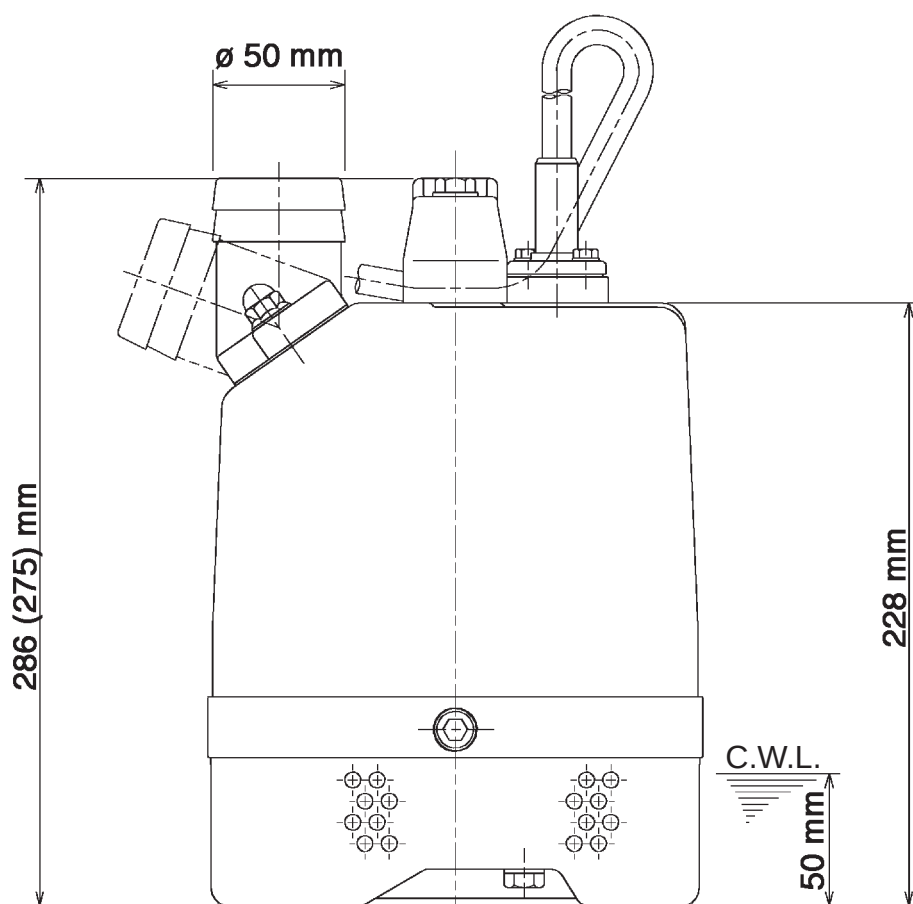
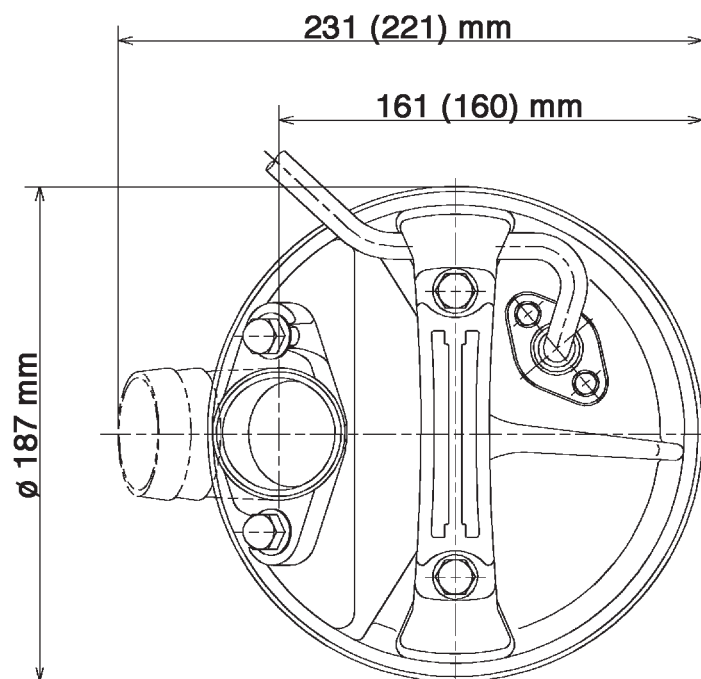
10,4 kg (dry weight of the pump without cable)



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# Dimensional Drawing LB-480-51/52



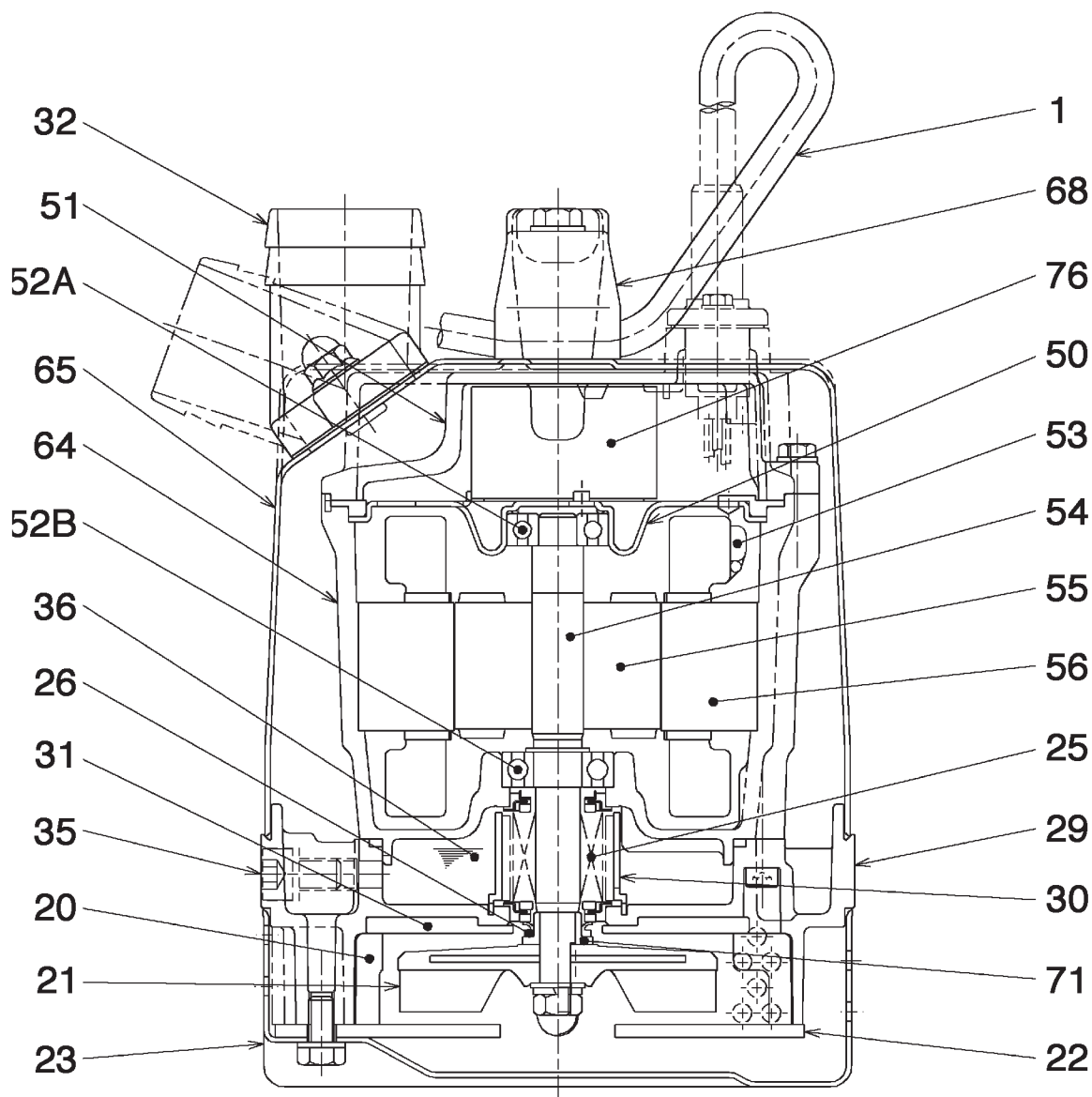
CWL: Continuous Running Water Level

**LB-480-51/52**

Dimensions of LB-480-51 in brackets

# Sectional Drawing

## LB-480-51/52



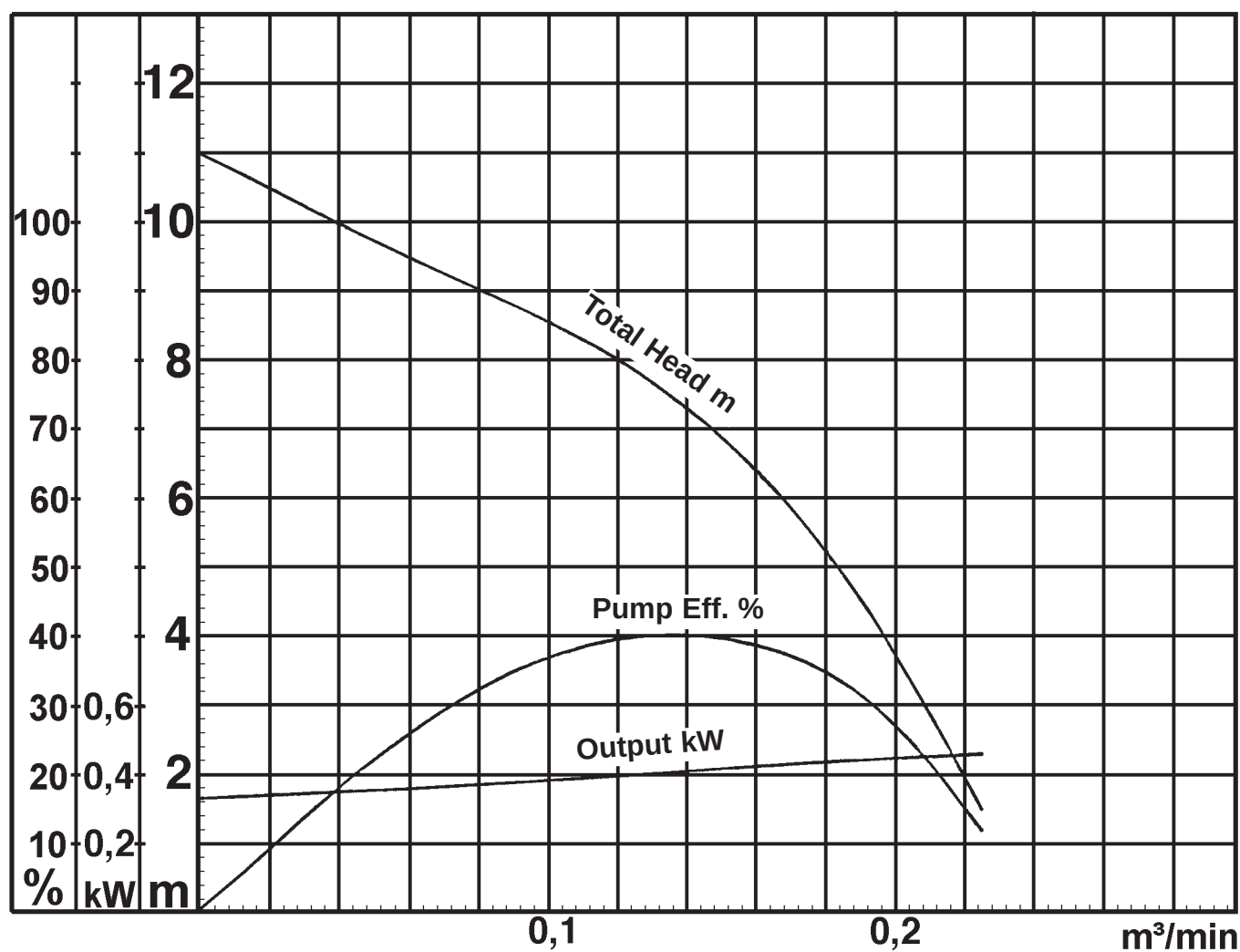
LB-480-51/52

| No. | Description     | Qty. | Remarks                   | No. | Description      | Qty. | Remarks                 |
|-----|-----------------|------|---------------------------|-----|------------------|------|-------------------------|
| 1   | Cabtyre Cable   | 1    | H07RN-F                   | 50  | Motor Bracket    | 1    | Steel Plate             |
| 20  | Pump Casing     | 1    | Ethylene Propylene Rubber | 51  | Motor Head cover | 1    | Aluminium Die Casting   |
| 21  | Impeller        | 1    | Urethane Rubber           | 52A | Upper Bearing    | 1    | 6201ZZC3                |
| 22  | Suction Cover   | 1    | Steel Plate               | 52B | Lower Bearing    | 1    | 6202ZZC3                |
| 23  | Strainer Stand  | 1    | Steel Plate               | 53  | Motor Protector  | 1    |                         |
| 25  | Mechanical Seal | 1    | W-14VL                    | 54  | Shaft            | 1    | SUS403 (EN-X6Cr13)      |
| 26  | V-Seal          | 1    | Nitrile Butadien Rubber   | 55  | Rotor            | 1    |                         |
| 29  | Oil Casing      | 1    | Aluminium Alloy Casting   | 56  | Stator           | 1    |                         |
| 30  | Oil Lifter      | 1    | Plastic                   | 64  | Motor Frame      | 1    | Aluminium Die Casting   |
| 31  | Wearing Plate   | 1    | Nylon                     | 65  | Outer Cover      | 1    | Steel Plate             |
| 32  | Hose Coupling   | 1    | Aluminium Alloy Casting   | 68  | Handle           | 1    | Steel Plate & Rubber    |
| 35  | Oil Plug        | 1    | SUS304 (EN-X5CrNi18-10)   | 71  | Shaft Sleeve     | 1    | SUS304 (EN-X5CrNi18-10) |
| 36  | Lubricant       | 1    | Turbine Oil (ISO VG32)    | 76  | Capacitor        | 1    |                         |

# Pump Performance Curve

## LB-480-51/52

|                  |                               |
|------------------|-------------------------------|
| Discharge Bore   | 50 mm                         |
| Total Head       | max. 11 m                     |
| Capacity         | max. 0,22 m <sup>3</sup> /min |
| Motor Output     | 0,48 kW                       |
| Motor Input      | 0,59 kW                       |
| Phase            | 1                             |
| Voltage          | 110/230 V                     |
| Frequency        | 50 Hz                         |
| Rated Current    | 6,2/2,9 A                     |
| Starting Current | 14,2/6,8 A                    |
| Poles            | 2                             |
| Revolution       | S.S. 2610 r.p.m.              |
| Starting Method  | Capacitor                     |
| Insulation Class | E                             |



LB-480-51/52