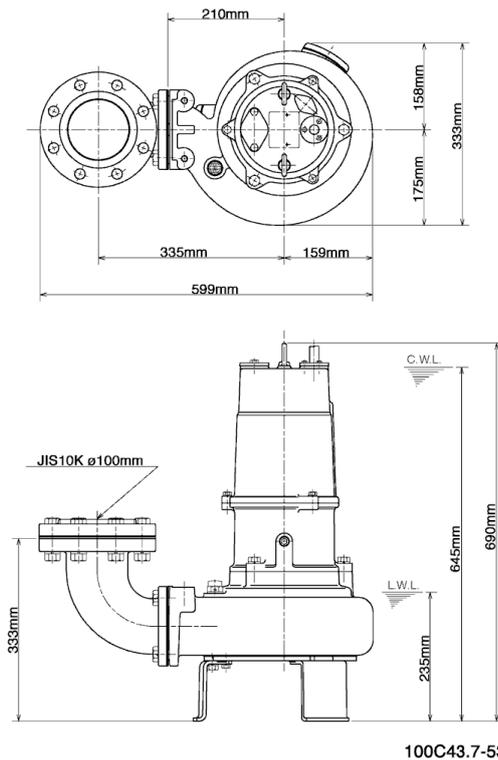
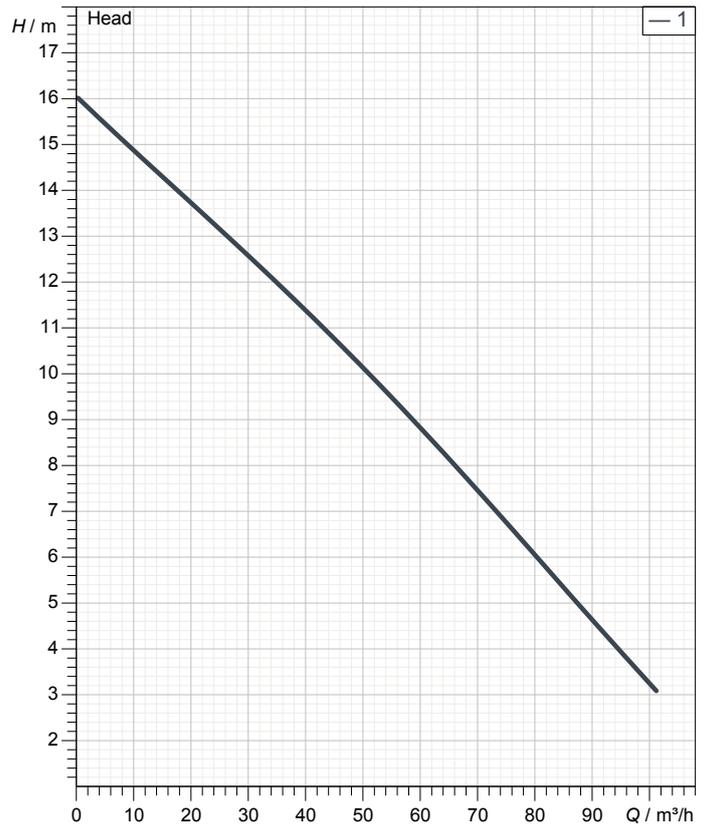


# Data sheet 100C43.7-53



100C43.7-53

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



## Specification

Electric submersible pump C-series  
Degree of protection IP 68  
Pressure resistance max. 15 m  
Type of impeller single channel impeller  
Free passage 60 mm  
Suitable for:  
sewage water and liquids carrying solids

## Electric motor

Dry-type submersible induction motor  
Insulation class E 4 Poles 1410 1/min  
Starting mode Direct starting  
Rated voltage 400 V 50 Hz 3~  
Power uptake 4,59 kW  
Rated power 3,70 kW  
Rated current 7,9 A  
Start current 49,0 A

## Cable

10m H07RN-F 4Cx1,5mm<sup>2</sup>

## 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  
FC20 (EN-GJL-200) + Tungsten carbide  
Pump casing FC200 (EN-GJL-200)  
Suction cover FCD700 (EN-GJS-700-2)  
Motor Frame FC200 (EN-GJL-200)  
Shaft SUS420J2 (EN-X30Cr13)

## Discharge size

4" (100mm) JIS 10K screwed-in mating flange  
guide rail fitting optional

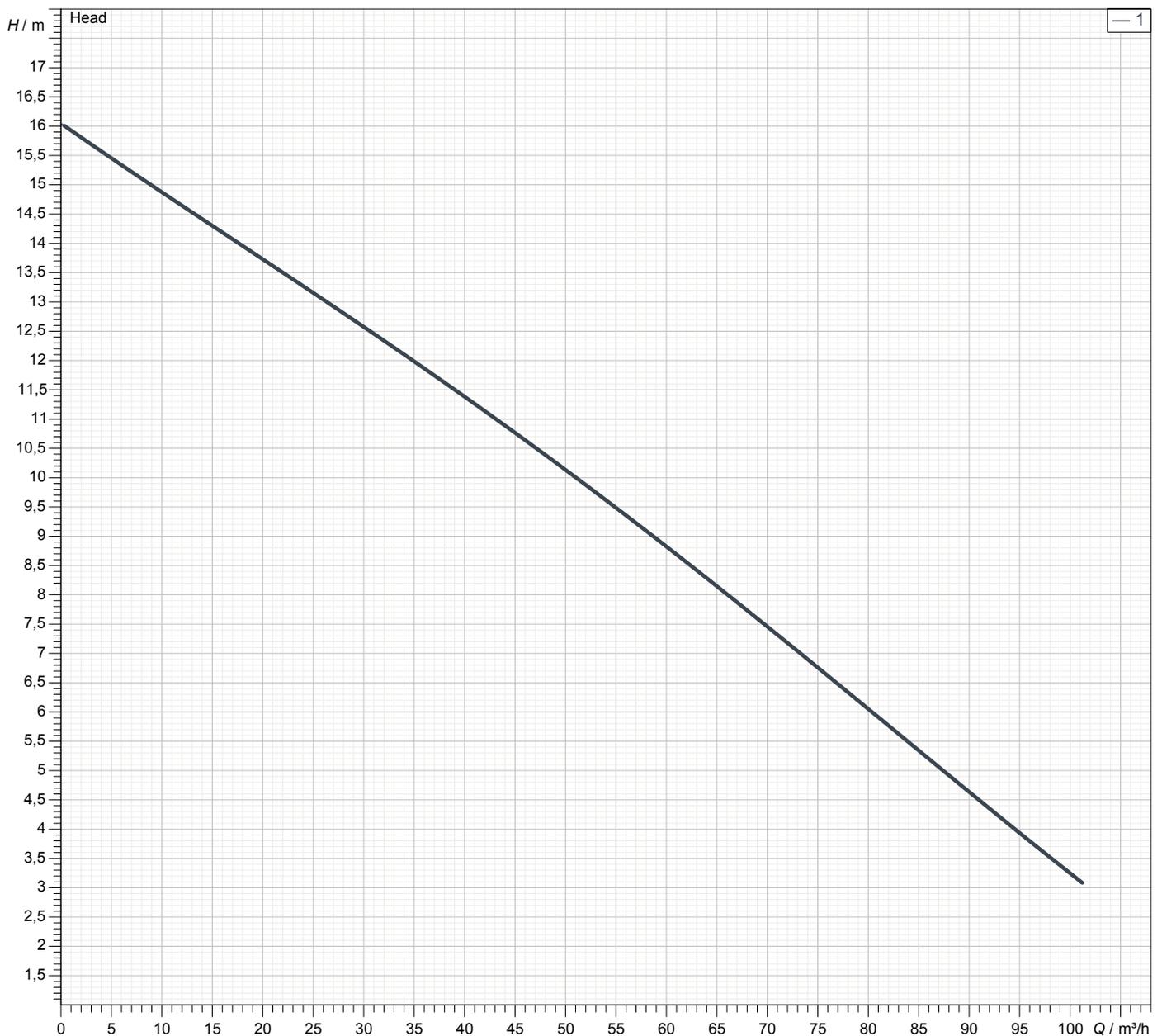
## Weight

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

# Performance curve

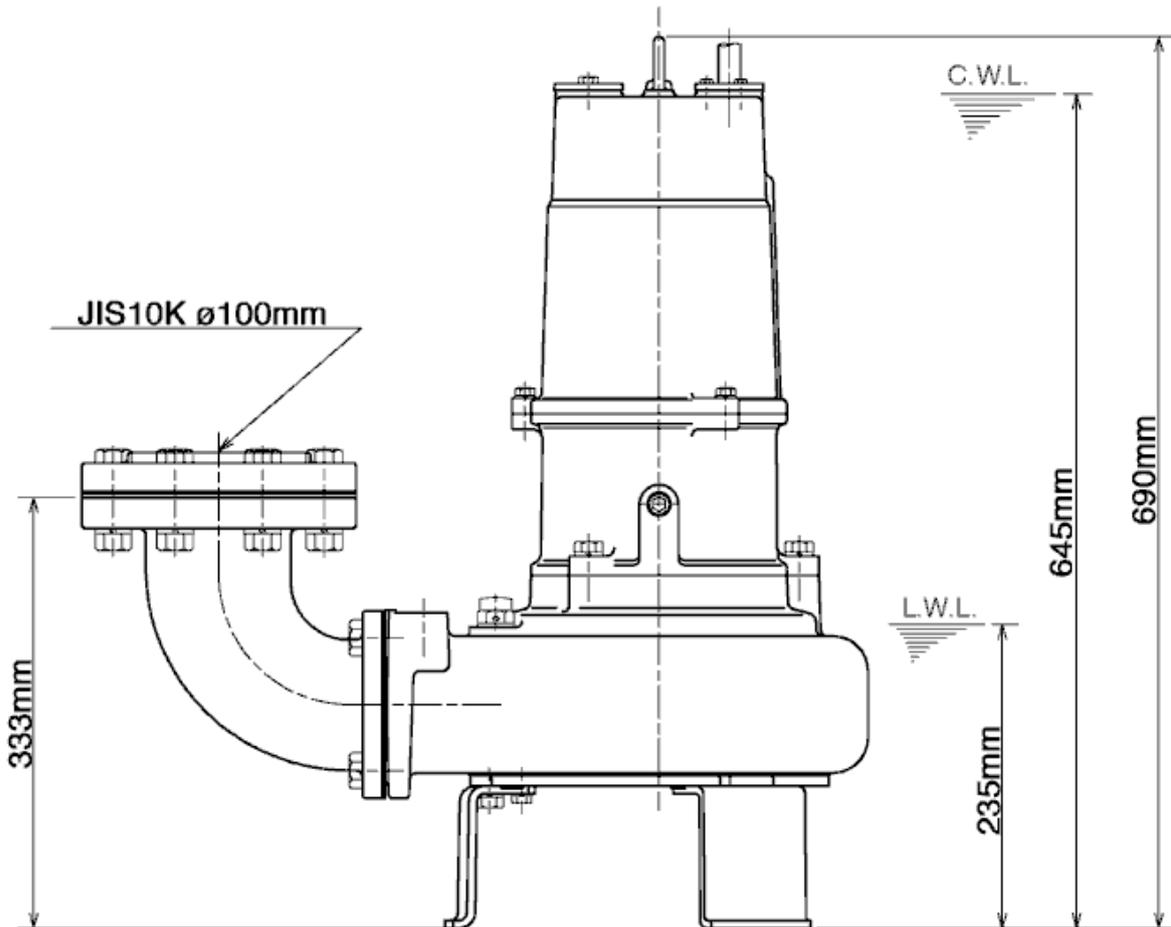
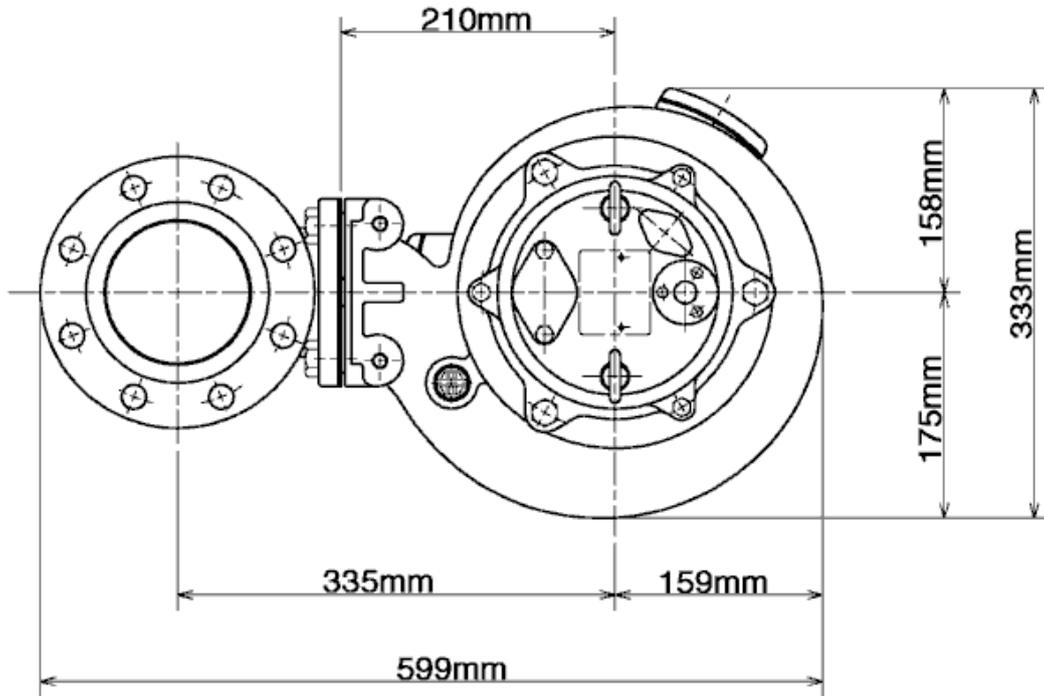
## 100C43.7-53

Discharge port	4"
Head	16,0 m
Flow	101,2 m <sup>3</sup> /h
Rated power	3,70 kW
Power input	4,59 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	7,9 A
Starting current	48,98 A
Number of poles	4
Speed	1410 1/min
Starting mode	Direct starting
Insulation class	E



# Dimensions

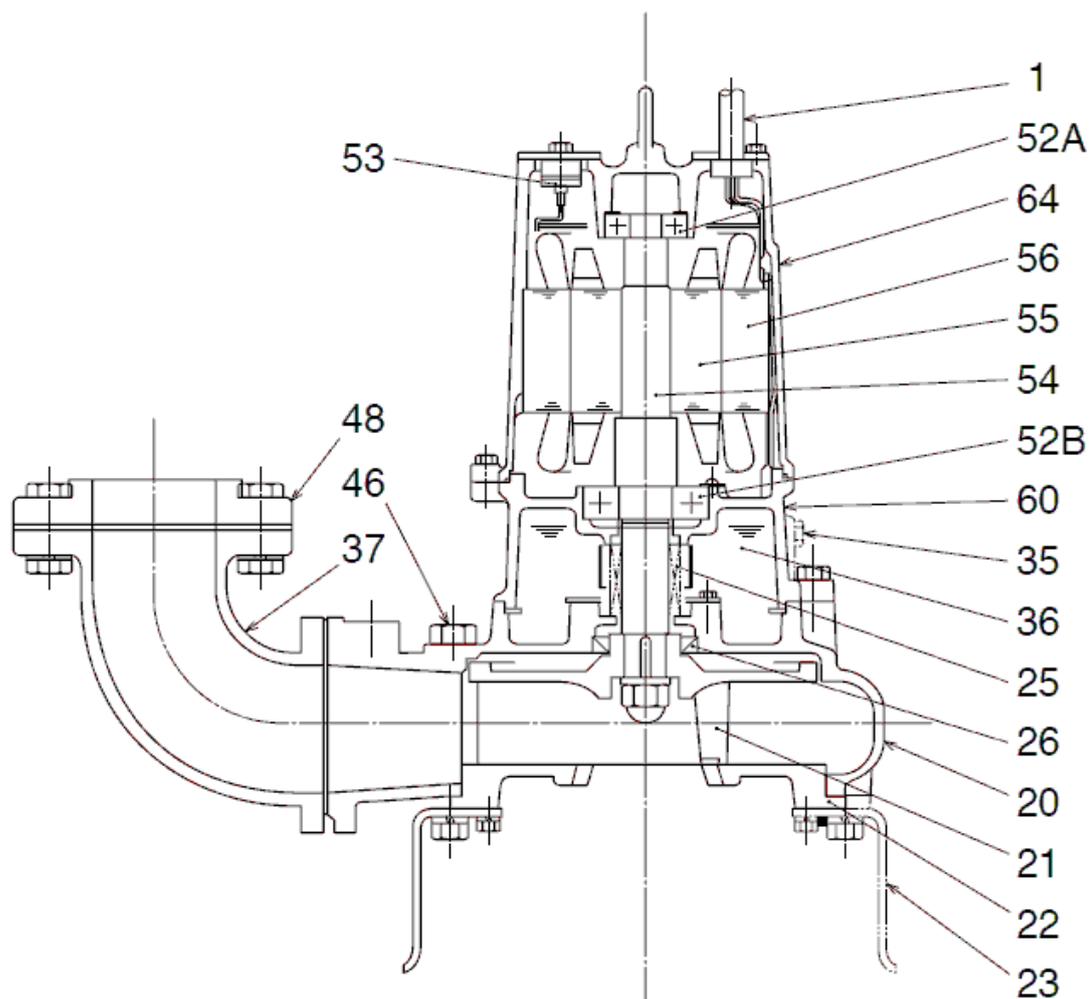
## 100C43.7-53



100C43.7-53

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

# Sectional drawing 100C43.7-53



**100C43.7-52**

No.	Description	Remark	No.	Description	Remark
1	Cable	H07RN-F	54	Shaft	SUS420J2 (EN-X30Cr13)
20	Pump casing	FC200 (EN-GJL-200)	55	Rotor	.
21	Impeller	FC20 (EN-GJL-200) + Tungsten carbide	56	0--	.
22	Suction cover	FCD700 (EN-GJS-700-2)	60	Bearing Housing	FC200 (EN-GJL-200)
23	Stand support (3x)	Construction steel SS400	64	Motor Frame	FC200 (EN-GJL-200)
25	Mechanical seal	H-35A	72	Eye screw (2x)	SUS304 (EN-X5CrNi18-10)
26	Oil seal	TC58726			
30	Oil distributor	Plastic			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge bend	FC200 (EN-GJL-200)			
46	Air vent screw	Nylon			
48	Screwed Flange	FC200 (EN-GJL-200)			
52A	Upper bearing	6304ZZC3			
52B	Lower Bearing	6309ZZC3			
53	Motor Protector 380/400/415V-50Hz	z.KA314-HRXL00 (H.C)			