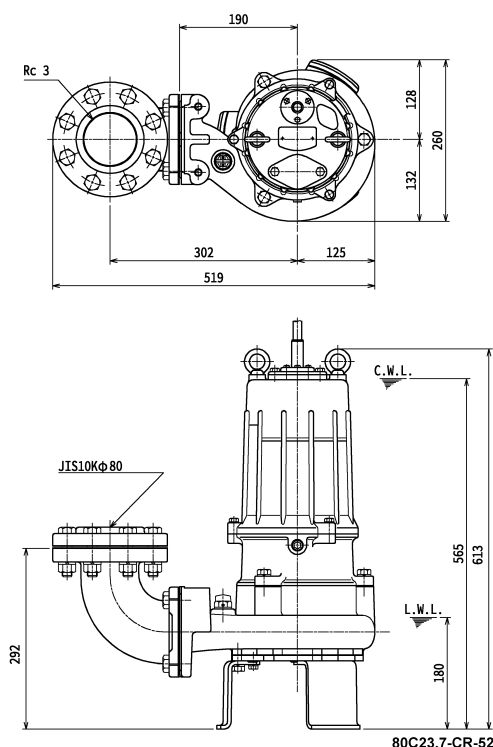
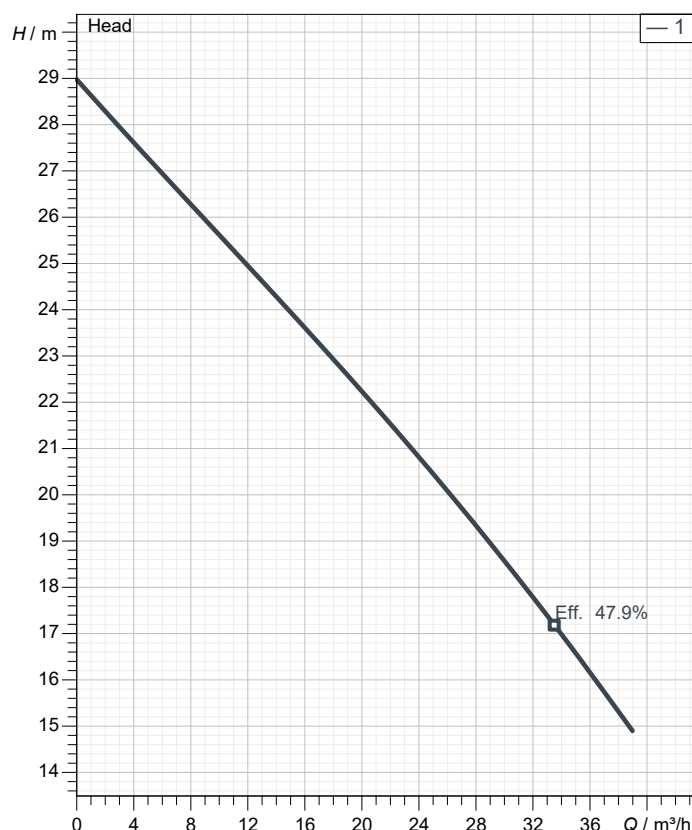


Data sheet 80C23.7-CR-52



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 dual channel impeller
Free passage 22 mm
Suitable for:
sewage water and liquids carrying solids

Electric motor

Dry-type submersible induction motor
Insulation class F 2Poles 2894 1/min
Starting mode Direct starting
Rated voltage 400 V 50 Hz 3~
Power uptake 5.06 kW
Rated power 3.70 kW
Rated current 8 A
Start current 56.0 A

Cable

10m NSSHÖU 4Cx1,5mm²

Motor Protection

Circle thermal protector
(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
Chromium Iron HiCrFC + Tungsten Carbide
Pump casing FC200 (EN-GJL-200)
Suction cover Chromium Iron HiCrFC
Motor Frame FC150 (EN-GJL-150)
Shaft SUS420J2 (EN-X30Cr13)

Discharge size

3" (80mm) special screwed-in mating flange
guide rail fitting optional

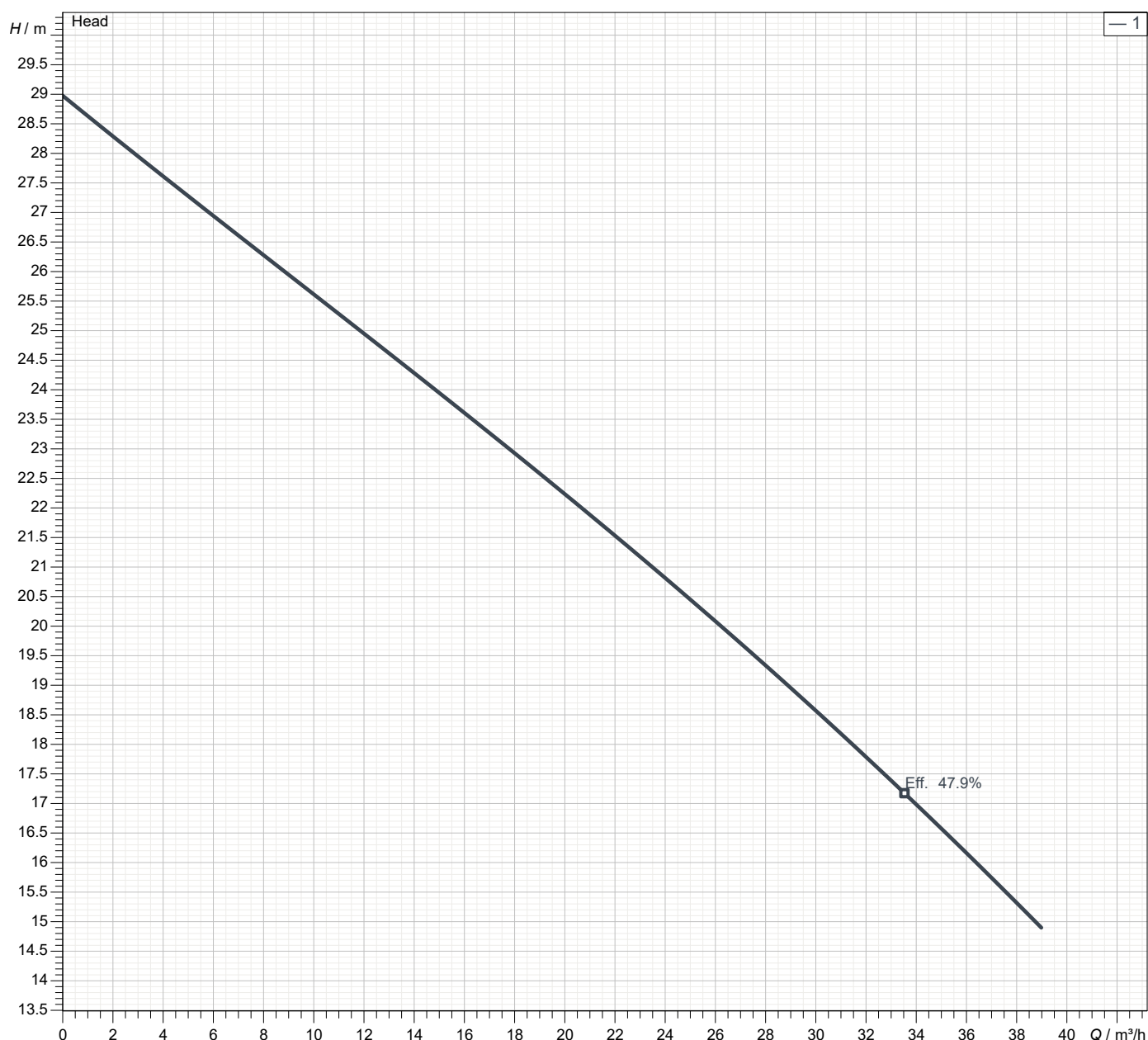
Weight

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

Performance curve

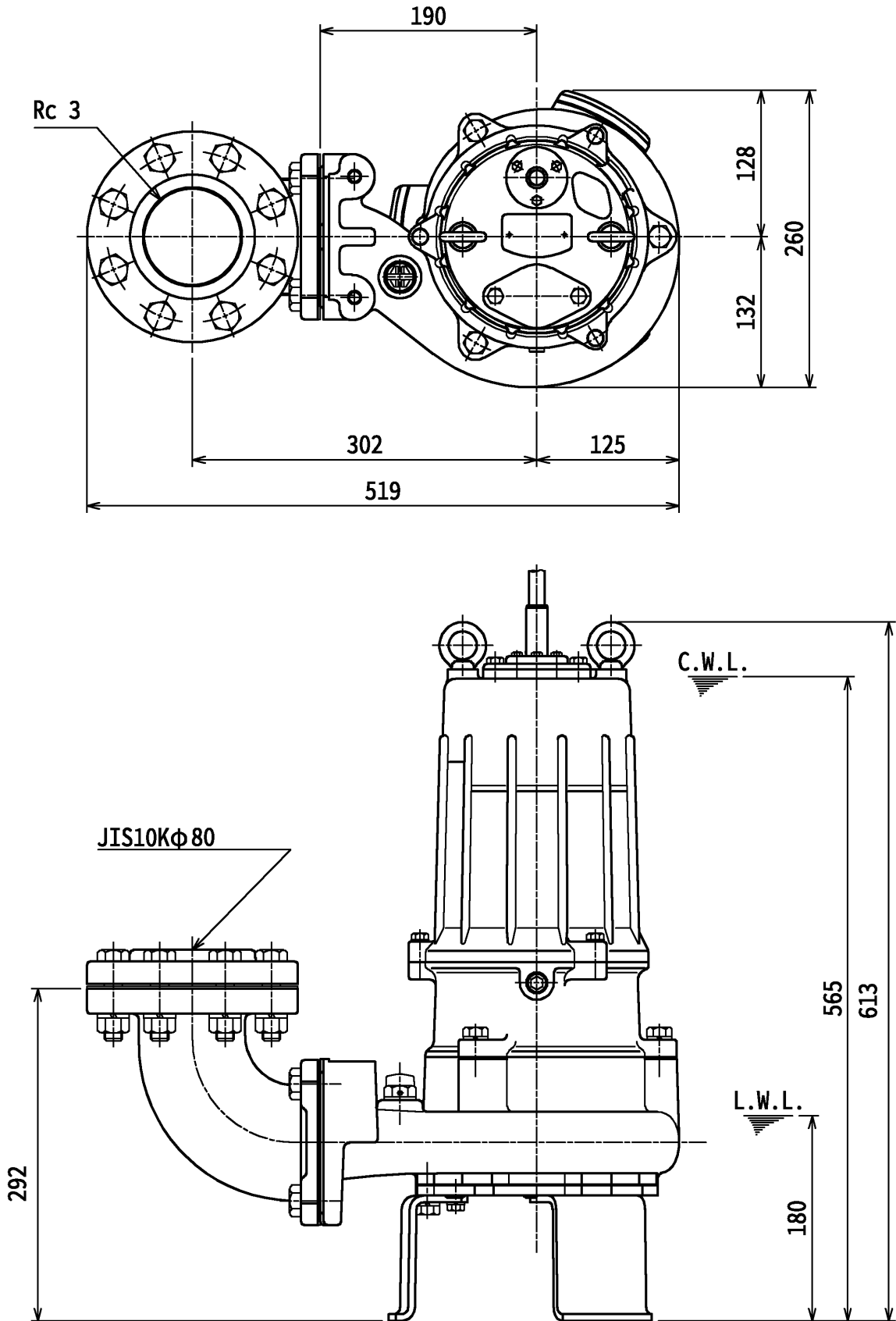
80C23.7-CR-52

Discharge port	3"
Head	29.0 m
Flow	39.0 m³/h
Rated power	3.70 kW
Power input	5.06 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	8 A
Starting current	56.00 A
Number of poles	2
Speed	2894 1/min
Starting mode	Direct starting
Insulation class	F



Dimensions

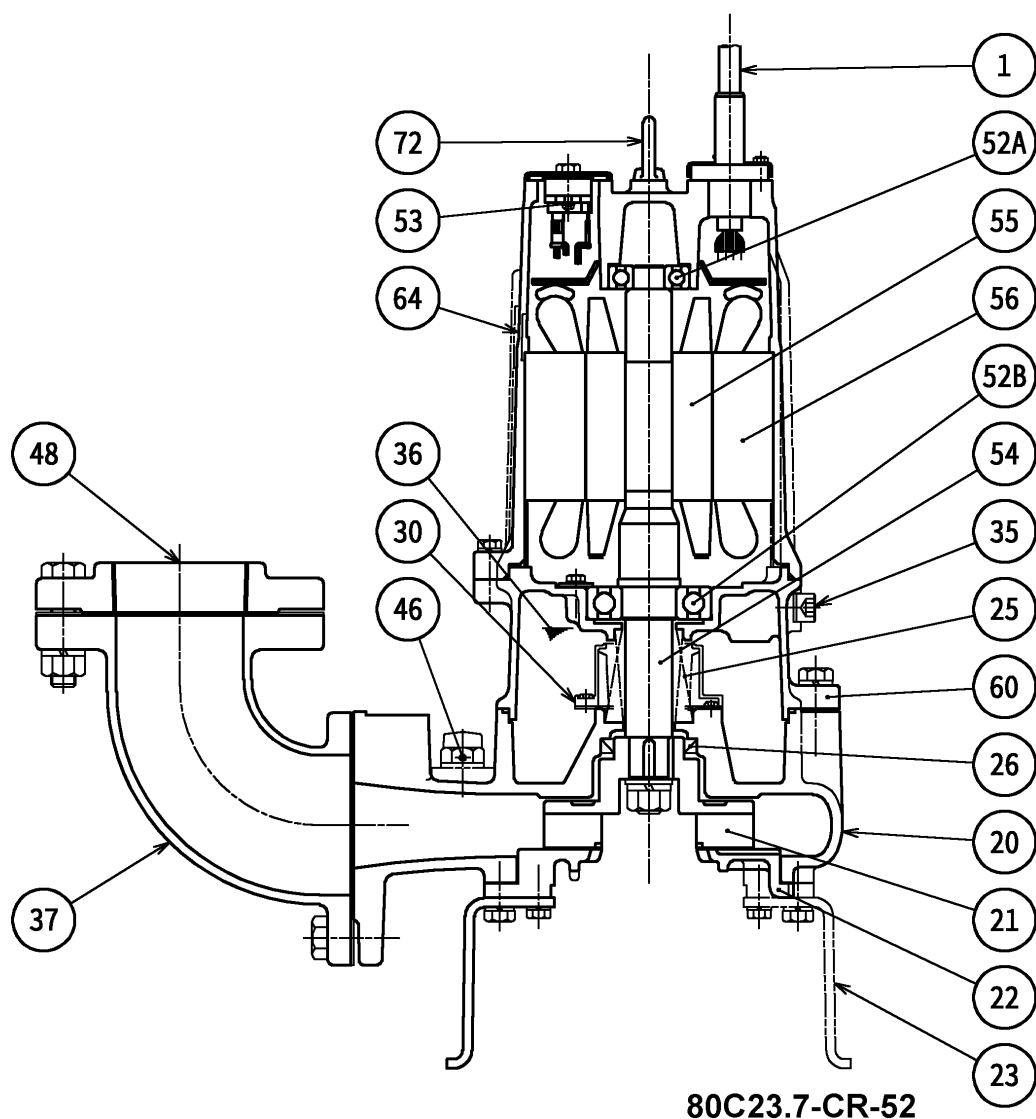
80C23.7-CR-52



80C23.7-CR-52

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

Sectional drawing 80C23.7-CR-52



80C23.7-CR-52

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU	54	Shaft	SUS420J2 (EN-X30Cr13)
20	Pump casing	FC200 (EN-GJL-200)	55	Rotor	.
21	Impeller	Chromium Iron HiCrFC + Tungsten Carbide	56	Stator	.
22	Suction cover	Chromium Iron HiCrFC	60	Bearing Housing	FC200 (EN-GJL-200)
23	Stand support (3x)	Construction steel SS400	64	Motor Frame	FC150 (EN-GJL-150)
25	Mechanical seal	H-30	71	Eye screw (2x)	FC150 (EN-GJL-150)
26	Oil seal	TC45629			
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	6307ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			