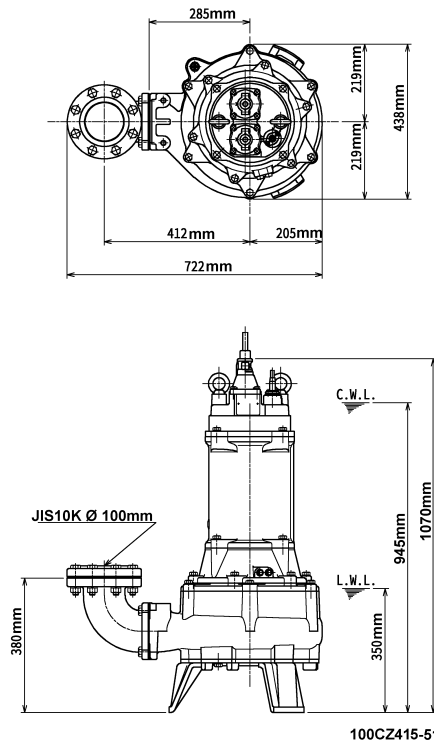
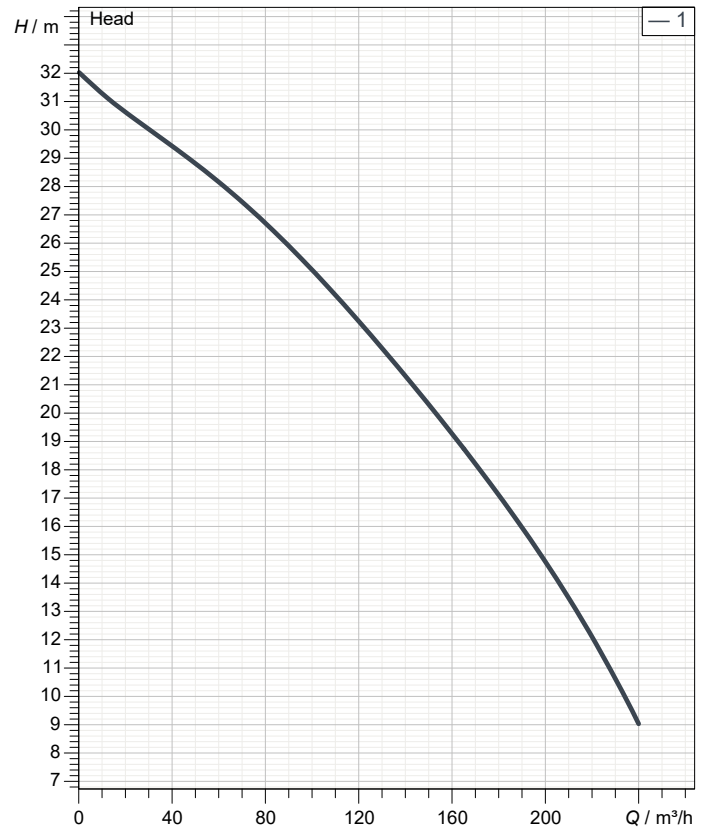


Data sheet 100CZ415-51



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



Specification

Elektrische Tauchpumpe CZ-Serie
Degree of protection IP 68
Pressure resistance max. 20 m
Type of impeller single channel impeller
Free passage 41 mm
Suitable for:
sewage water and liquids carrying solids

Electric motor

Dry-type submersible induction motor
Insulation class F 4Poles 1461 1/min
Starting mode Star-delta
Rated voltage 400 V 50 Hz 3~
Power uptake 18.80 kW
Rated power 15.00 kW
Rated current 31.9 A
Start current 222.0 A

Cable

10m NSSHÖU 4Cx2,5mm²/NSSHÖU 4Cx2,5mm²/2PNCT 2Cx1,25mm²

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
FCD500 (EN-GJS-500-7)
Pump casing
Grey iron casting 250 (EN-GJL-250)
Suction cover
FCD500 (EN-GJS-500-7)
Motor Frame
FC200 (EN-GJL-200)
Shaft
SUS420J2 (EN-X30Cr13)

Discharge size

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

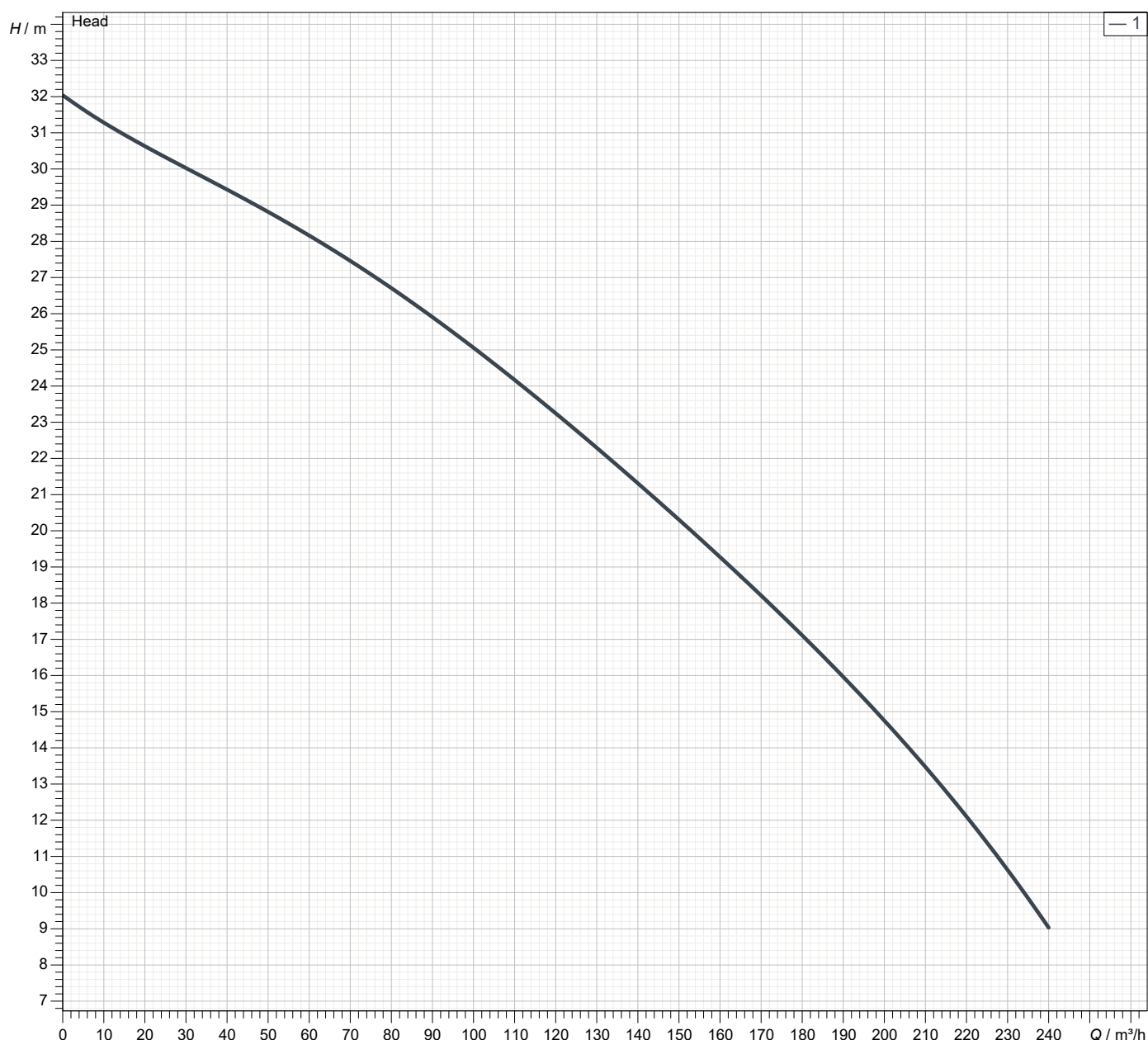
Weight

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

Performance curve

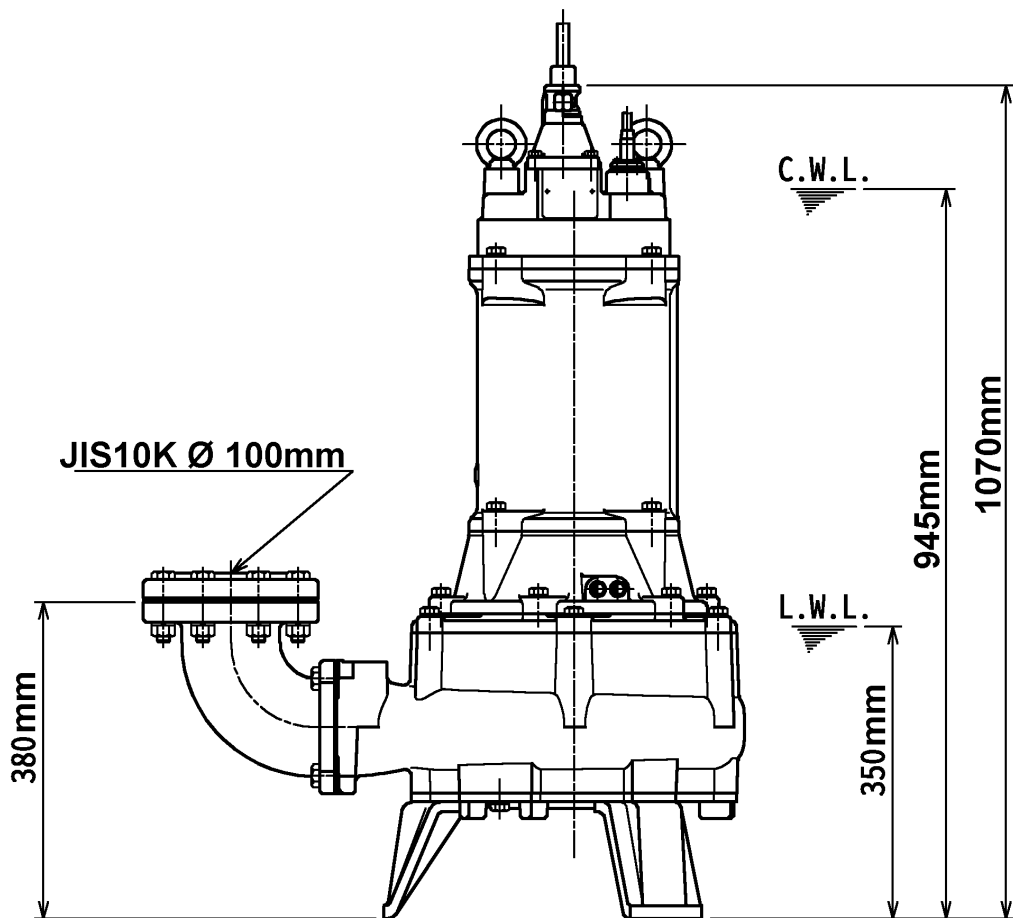
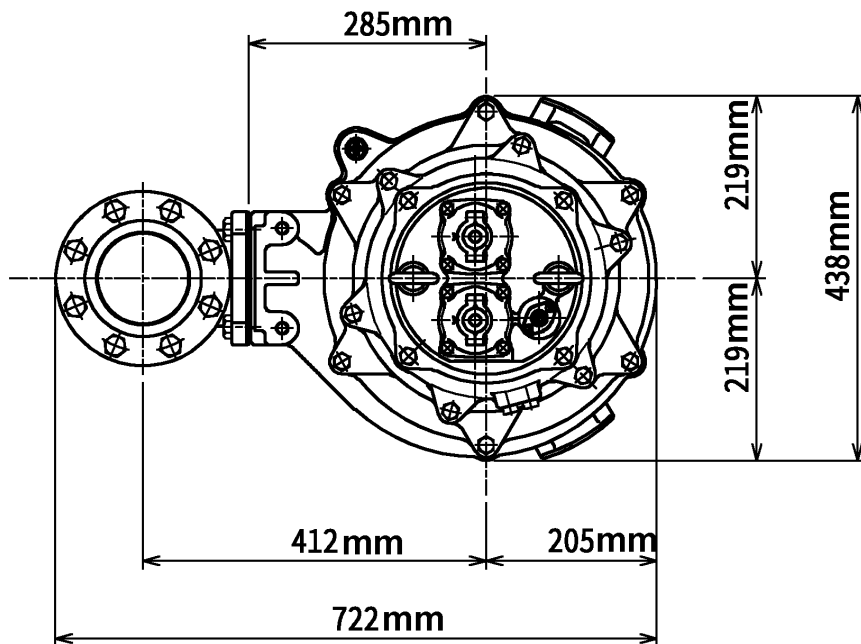
100CZ415-51

Discharge port	4"
Head	32.0 m
Flow	165.1 m³/h
Rated power	15.00 kW
Power input	18.80 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	31.9 A
Starting current	222.02 A
Number of poles	4
Speed	1461 1/min
Starting mode	Star-delta
Insulation class	F



Dimensions

100CZ415-51



100CZ415-51

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

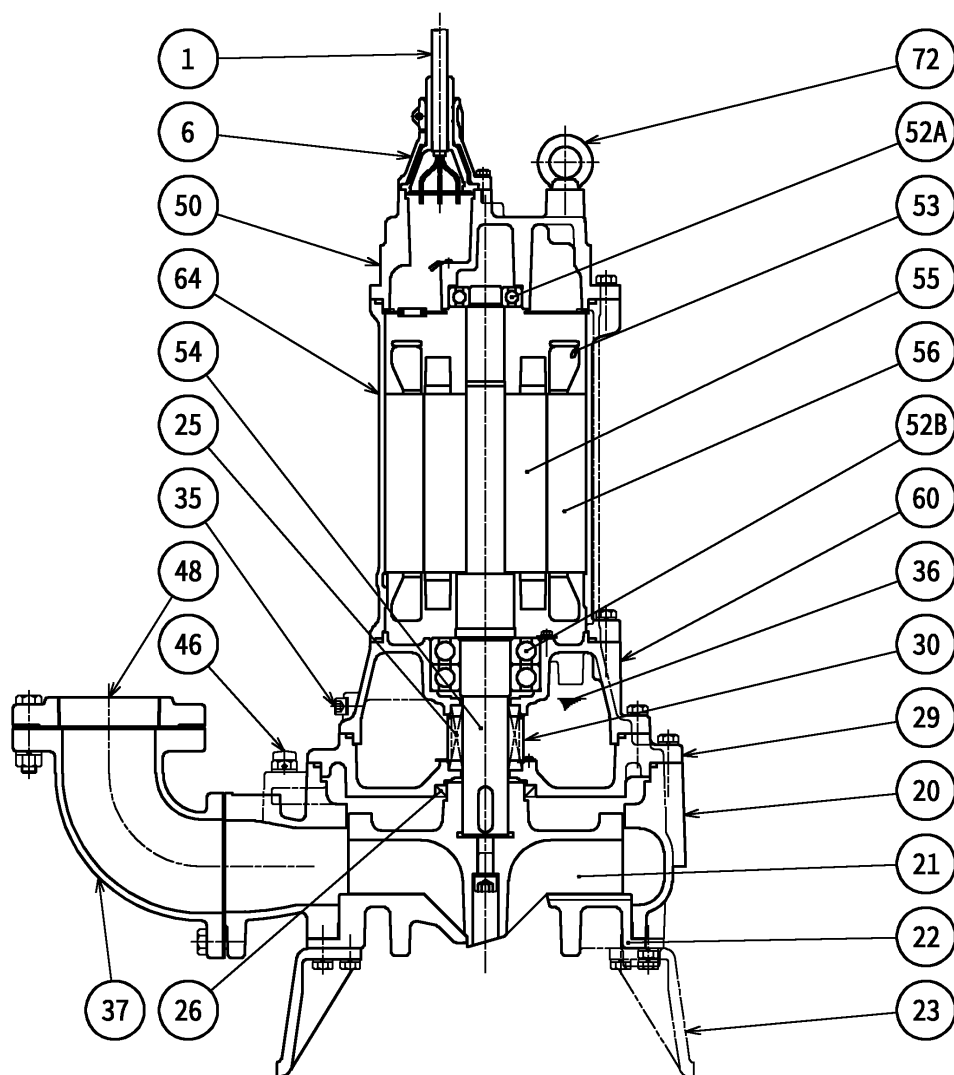
TSURUMI PUMP

Tsurumi (Europe) GmbH
2025-03-03 V.01.02.2025

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Sectional drawing

100CZ415-51



100CZ415-51

No.	Description	Remark	No.	Description	Remark
1	Cable	NSSHÖU	52A	Upper bearing	6307ZZC3
6	Stuffing box	FC200 (EN-GJL-200)	52B	Lower Bearing	6311ZZC3
20	Pump casing	Grey iron casting 250 (EN-GJL-250)	53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)
21	Impeller	FCD500 (EN-GJS-500-7)	54	Shaft	SUS420J2 (EN-X30Cr13)
22	Suction cover	FCD500 (EN-GJS-500-7)	55	Rotor	.
23	Stand support (3x)	FC200 (EN-GJL-200)	56	Stator	.
25	Mechanical seal	H-50TX	60	Bearing Housing	FC200 (EN-GJL-200)
26	Oil seal	TC8511013	64	Motor Frame	FC200 (EN-GJL-200)
29	Oil Casing	Grey iron casting 250 (EN-GJL-250)	72	Eye screw	SUS304 (EN-X5CrNi18-10)
30	Oil distributor	Steel plate			
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)			
50	Motor Bracket	FC200 (EN-GJL-200)			