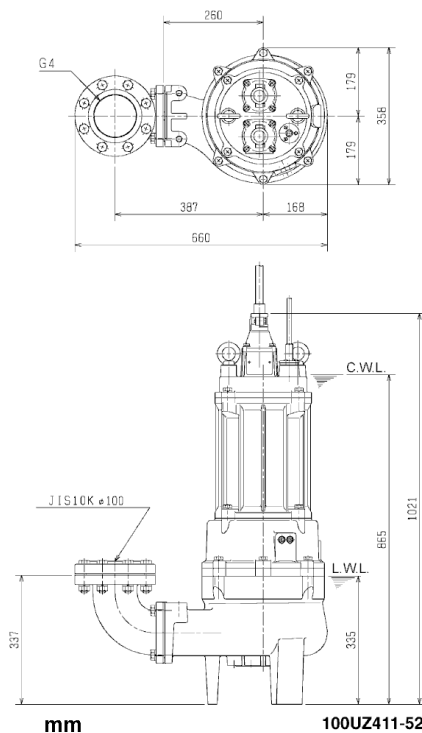
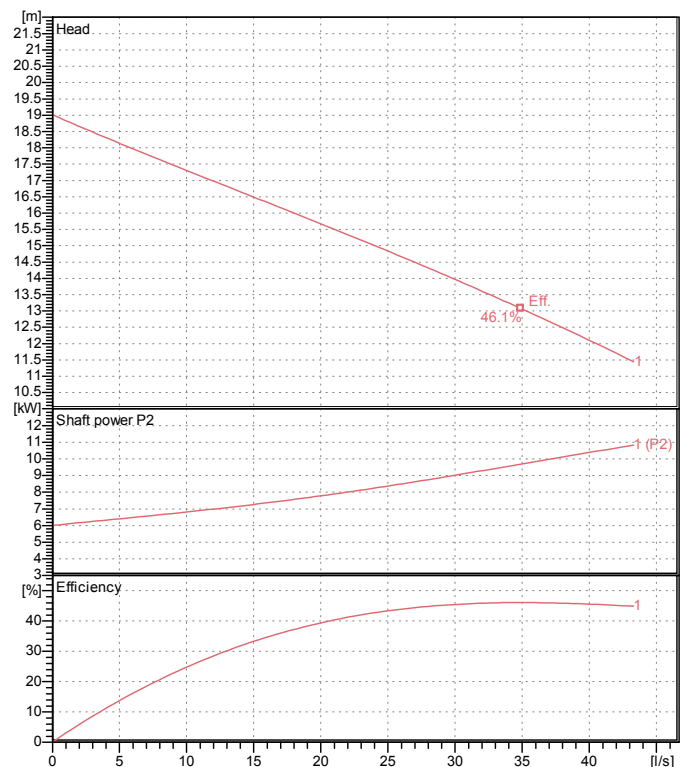


Data sheet 100UZ411-52



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



Specification

Electric submersible pump
Degree of protection IP 68
Depth of submersion max. 40 m
Type of impeller Vortex impeller
Free passage 100 mm
Suitable for:
waste water and liquid carrying

Electric motor

Dry-type submersible induction motor
Insulation class F 4Poles 1445 1/min
Starting mode Star-delta
Rated voltage 400 V 50 Hz 3~
Power uptake 13.50 kW
Rated power 11.00 kW
Rated current 23.8 A
Start current 128.0 A

Cable

10m H07RN-F 4Cx2,5mm²/ 3Cx2,5mm²/2PNCT 2Cx2mm²

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	FC200 (EN-GJL-200)
Pump casing	FC200 (EN-GJL-200)
Motor Frame	FC150 (EN-GJL-150)
Shaft	Stainless steel SUS420J2

Discharge size

4" (100mm) special screwed-in mating flange
guide rail fitting optional

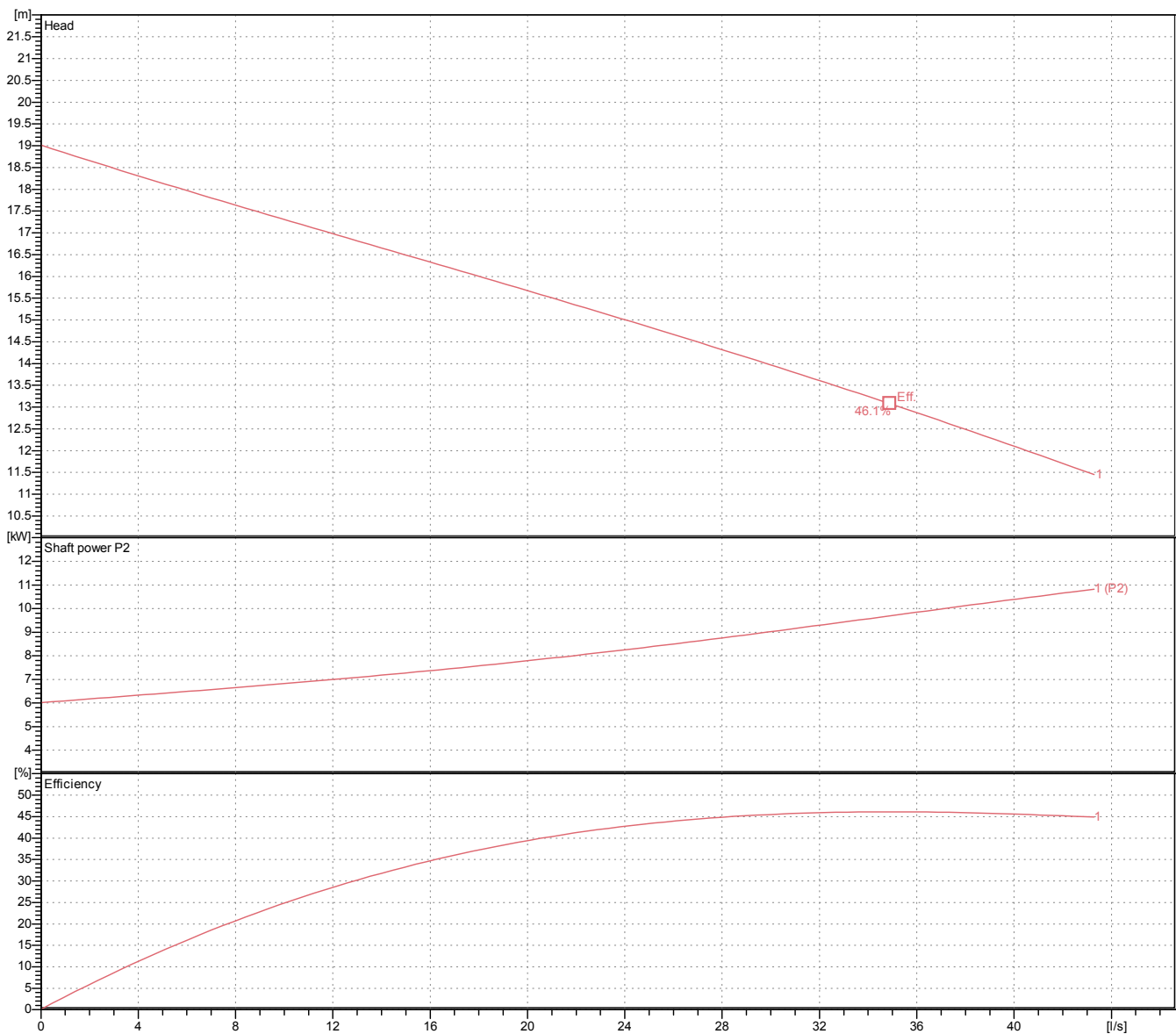
Weight

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

Performance curve

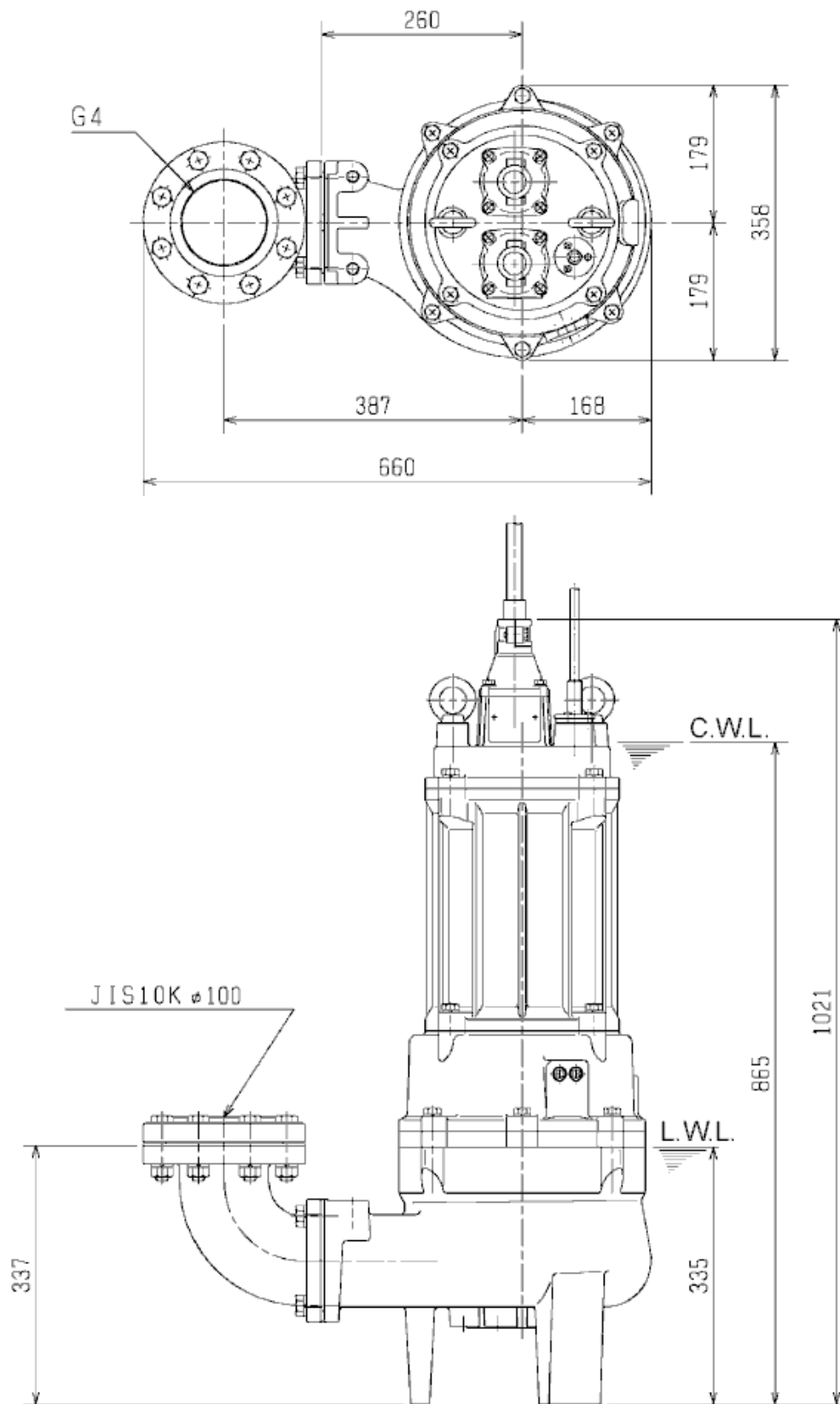
100UZ411-52

Discharge port	4"
Head	19.0 m
Flow	43.3 l/s
Rated power	11.00 kW
Power input	13.50 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	23.8 A
Starting current	128.04 A
Number of poles	4
Speed	1445 1/min
Starting mode	Star-delta
Insulation class	F



Dimensions

100UZ411-52



mm

100UZ411-52

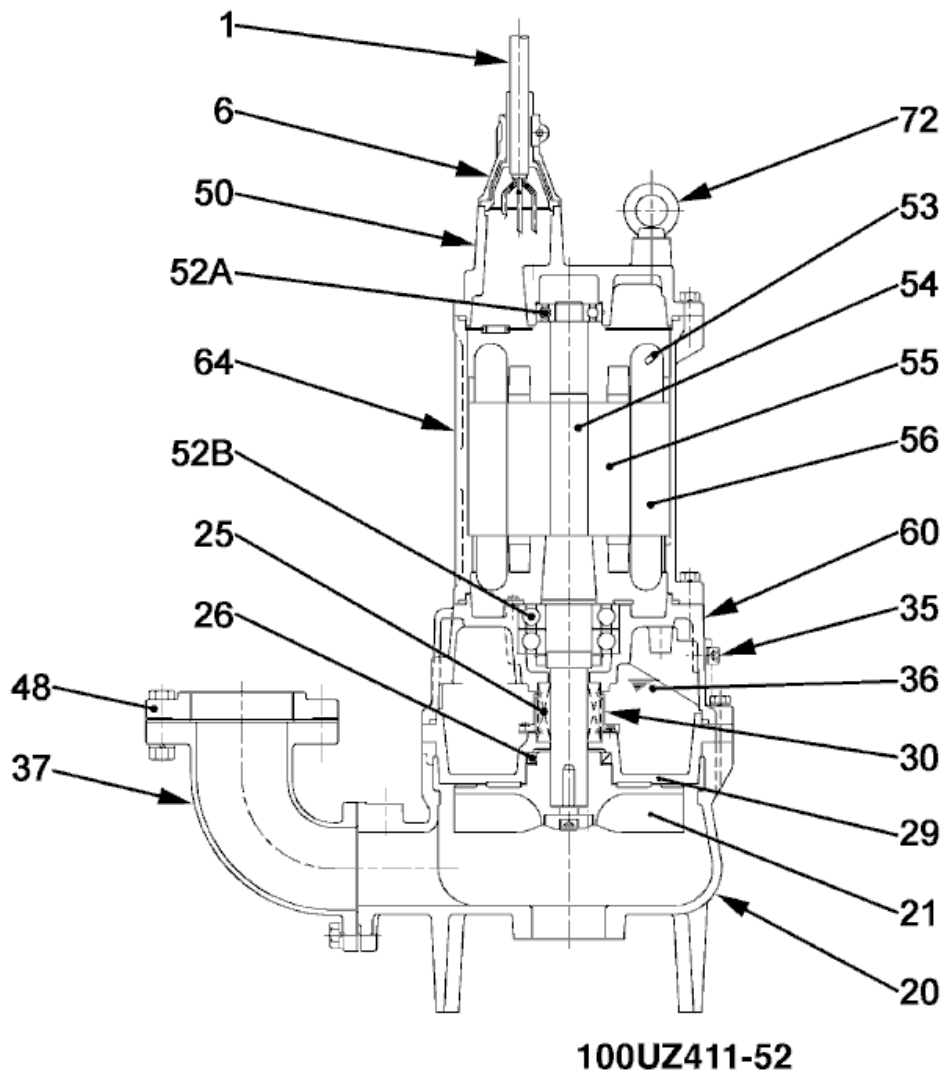
CWL: Continuous running water level
LWL: Lowest running water level



Tsurumi Europe GmbH
24.08.2011

Heltorfer Str. 14 * 40472 Düsseldorf * Germany
Tel.: +49-211-4179373 sales@tsurumi.eu
Fax: +49-211-4791429 www.tsurumi.eu

Sectional drawing 100UZ411-52



No.	Denomination	Remark	No.	Denomination	Remark
1	Cable (3x)	2x H07RN-F / 1x 2PNCT	55	Rotor	.
6	Stuffing box (2x)	FC200 (EN-GJL-200)	56	Stator	.
20	Pump casing	FC200 (EN-GJL-200)	60	Bearing Housing	FC150 (EN-GJL-150)
21	Impeller	FC200 (EN-GJL-200)	64	Motor Frame	FC150 (EN-GJL-150)
25	Mechanical seal	H-40	72	Eye screw (2x)	Construction steel SS400
26	Oil seal	TC709212			
29	Oil casing	FC200 (EN-GJL-200)			
30	Oil distributor	Plastic			
35	Oil screw (2x)	Stainless steel SUS304			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge bend	FC200 (EN-GJL-200)			
48	Screwed Flange	FC200 (EN-GJL-200)			
52A	Upper bearing	6206ZZC3			
52B	Lower bearing	6310ZZD2C3			
53	Miniature protector (3x)	.			
54	Shaft	Stainless steel SUS420J2			