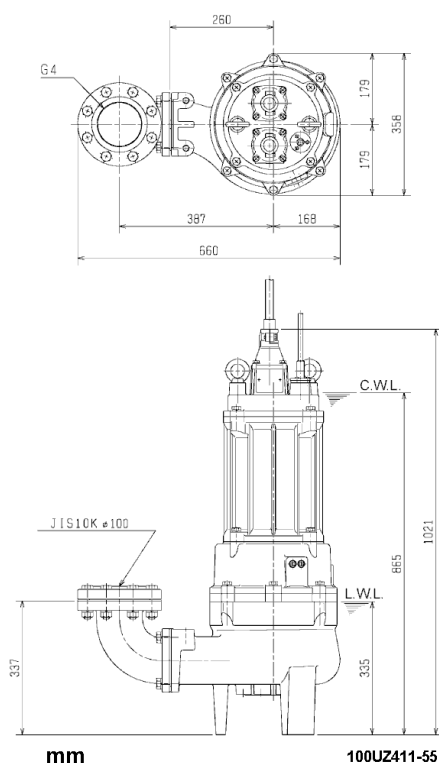
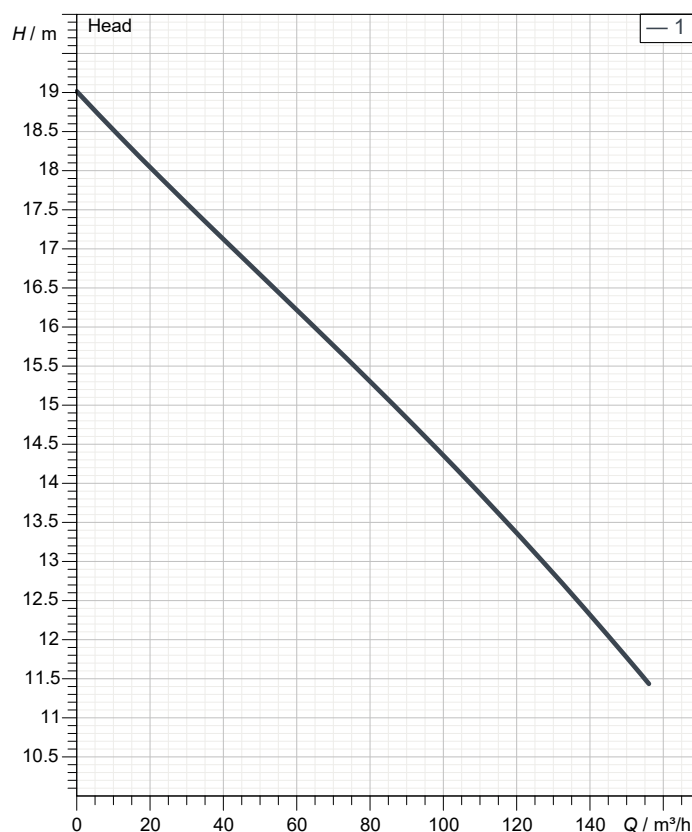


Data sheet 100UZ411-55



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



Specification

Electric submersible pump UZ-series
Degree of protection IP 68
Pressure resistance max. 20 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 4 Poles 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 NSSHÖU 4Cx2,5mm²/NSSHÖU 3Cx2,5mm²/2PNCT 2Cx1,25mm²

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	SUS420J2 (EN-X30Cr13)

Discharge size

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

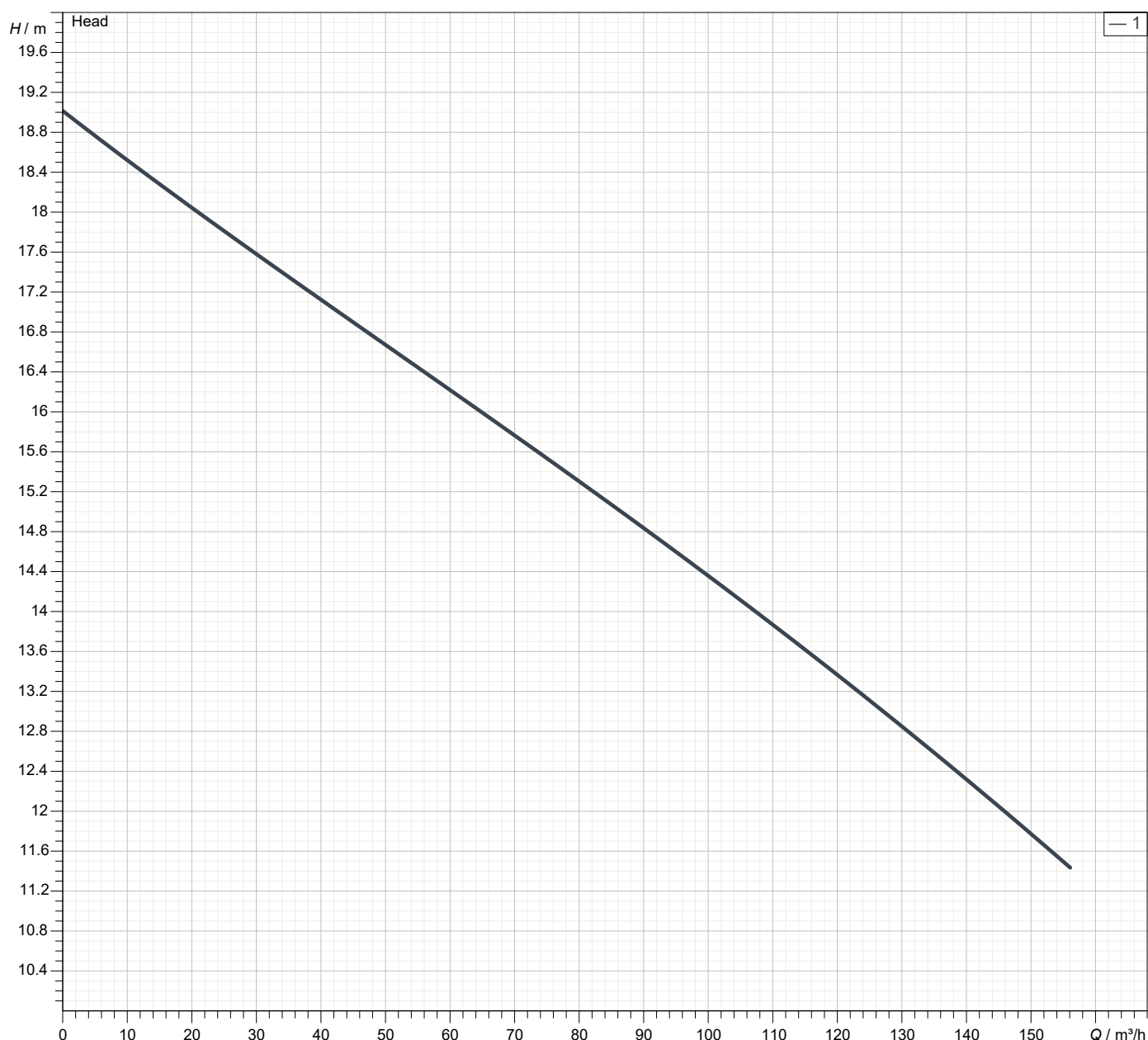
Weight

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

Performance curve

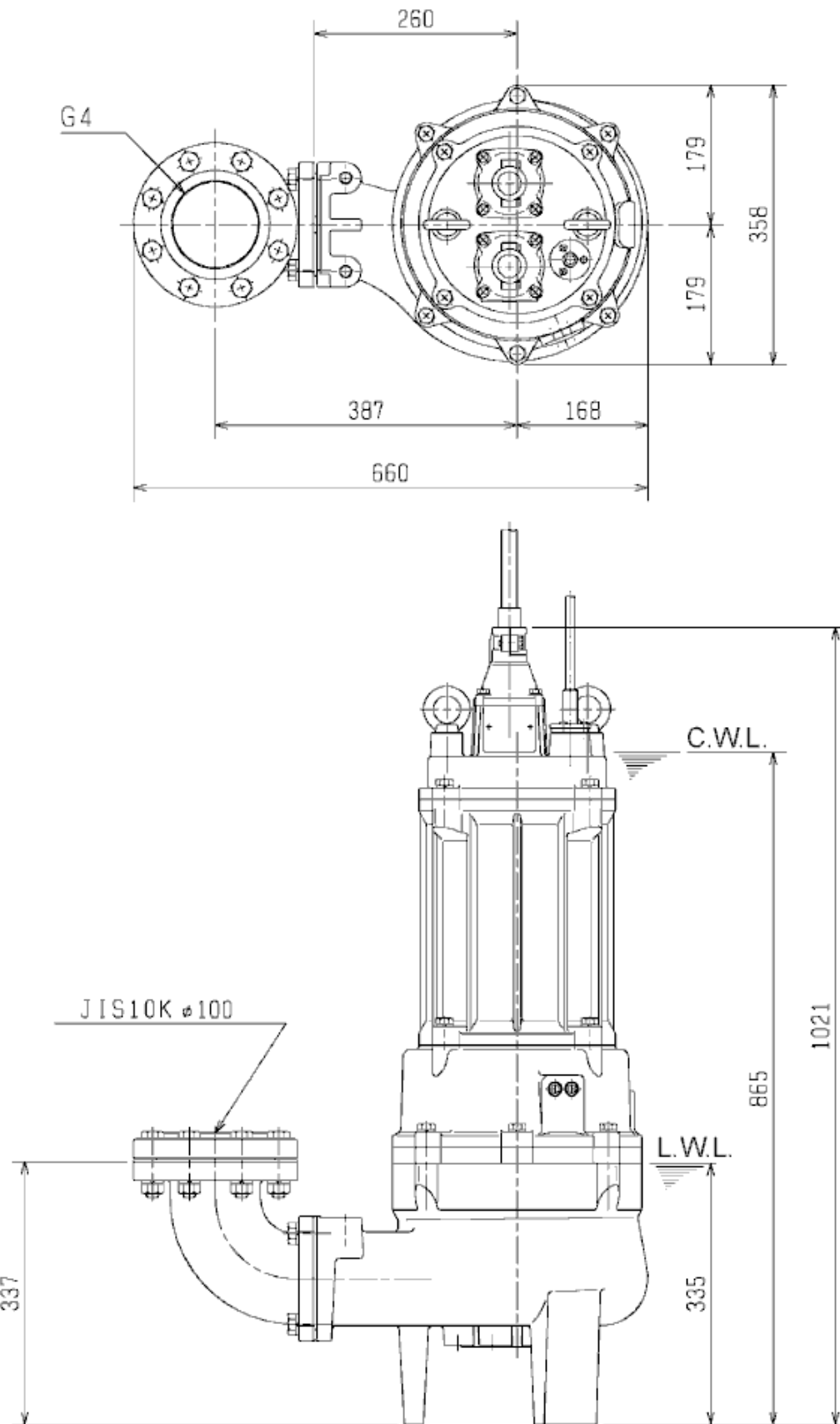
100UZ411-55

Discharge port	4"
Head	19.0 m
Flow	156.1 m³/h
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	128.00 A
Number of poles	4
Speed	1445 1/min
Starting mode	Star-delta
Insulation class	F



Dimensions

100UZ411-55



mm

100UZ411-55

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

Sectional drawing

100UZ411-55

No.	Description	Remark	No.	Description	Remark
1	Cable (3x)	NSSHÖU	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-40X	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)	SUS304 (EN-X5CrNi18-10)			
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	SUS420J2 (EN-X30Cr13)			