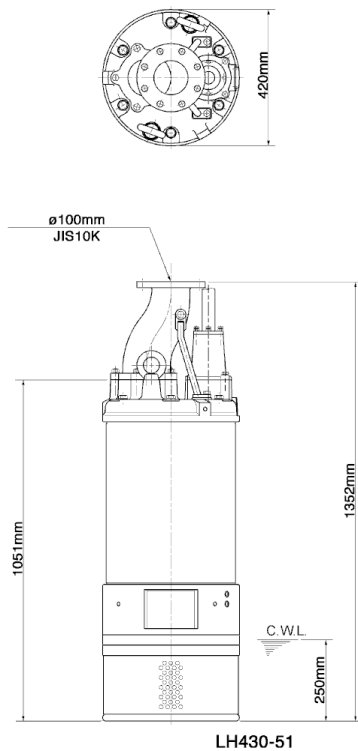
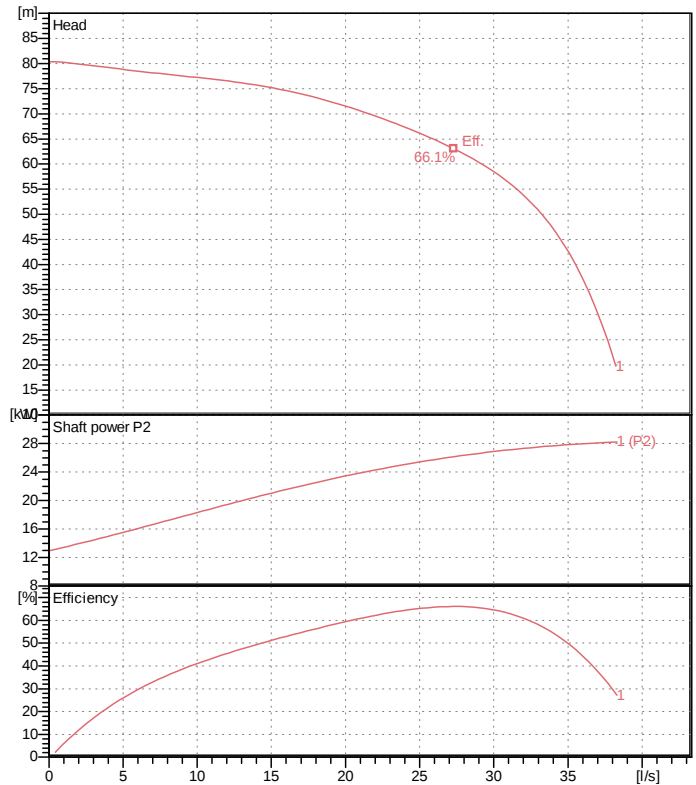


Data sheet LH430-51



CWL: Continuous running water level



Specification

Electric submersible pump
 Degree of protection IP 68
 Depth of submersion max. 30 m
 Type of impeller Closed
 Max. solid handling 6 mm
 Suitable for:
 rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
 Insulation class F 2Poles 2900 1/min
 Starting mode Star-delta
 Rated voltage 400 V 50 Hz 3~
 Power uptake 35.38 kW
 Rated power 30.00 kW
 Rated current 55 A
 Start current 389.9 A

Cable

20m NSSHÖU 7Cx35mm² + 3x2,5mm²ST

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	Chromium iron casting
Upper Pump casing	FCD45 (EN-GJS-450-10)
Lower Pump casing	FCD45 (EN-GJS-450-10)
Wear Ring	FC200 (EN-GJL-200)
Motor Frame	FC200 (EN-GJL-200)
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

100mm JIS10K flange

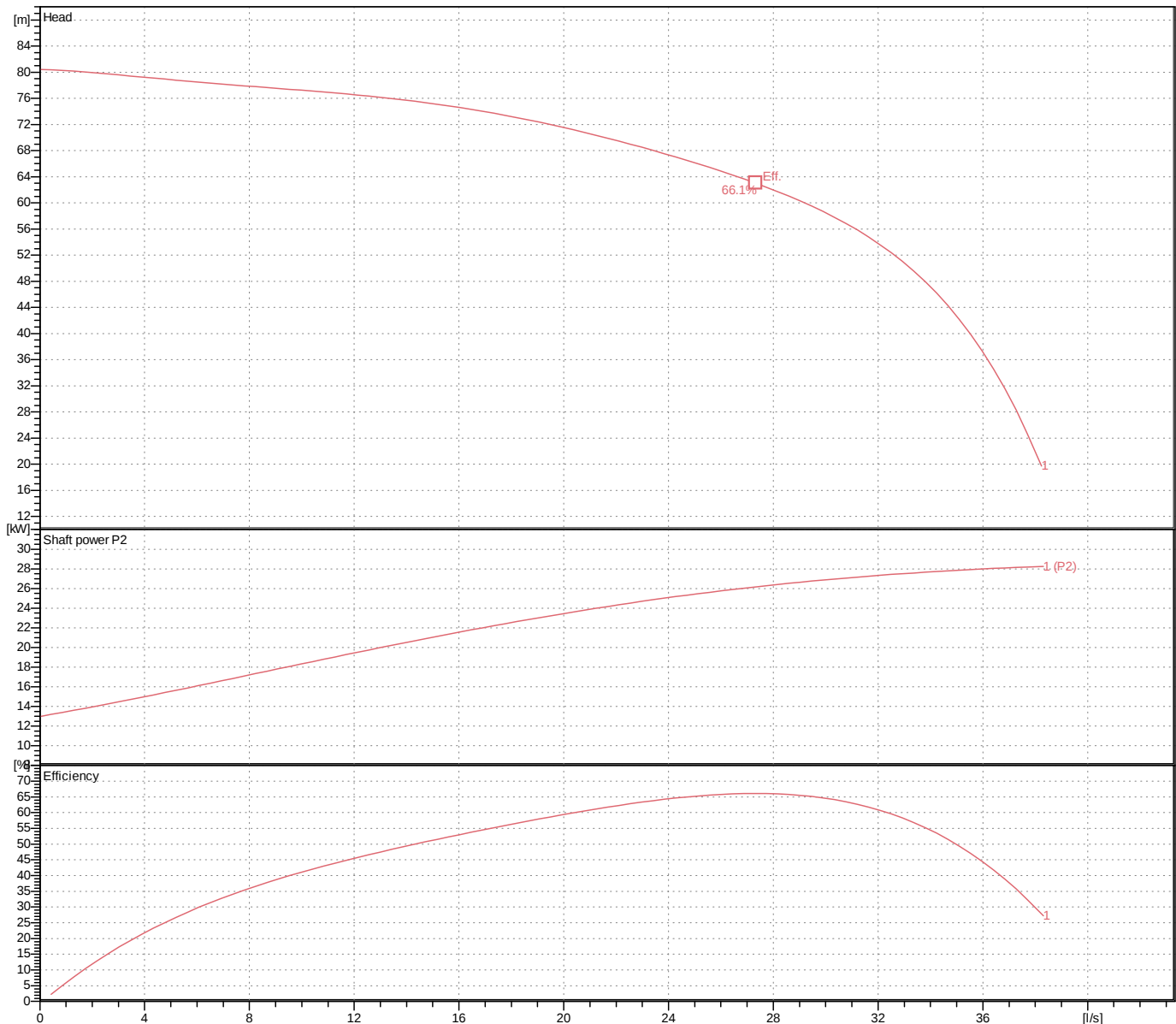
Weight

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

Performance curve

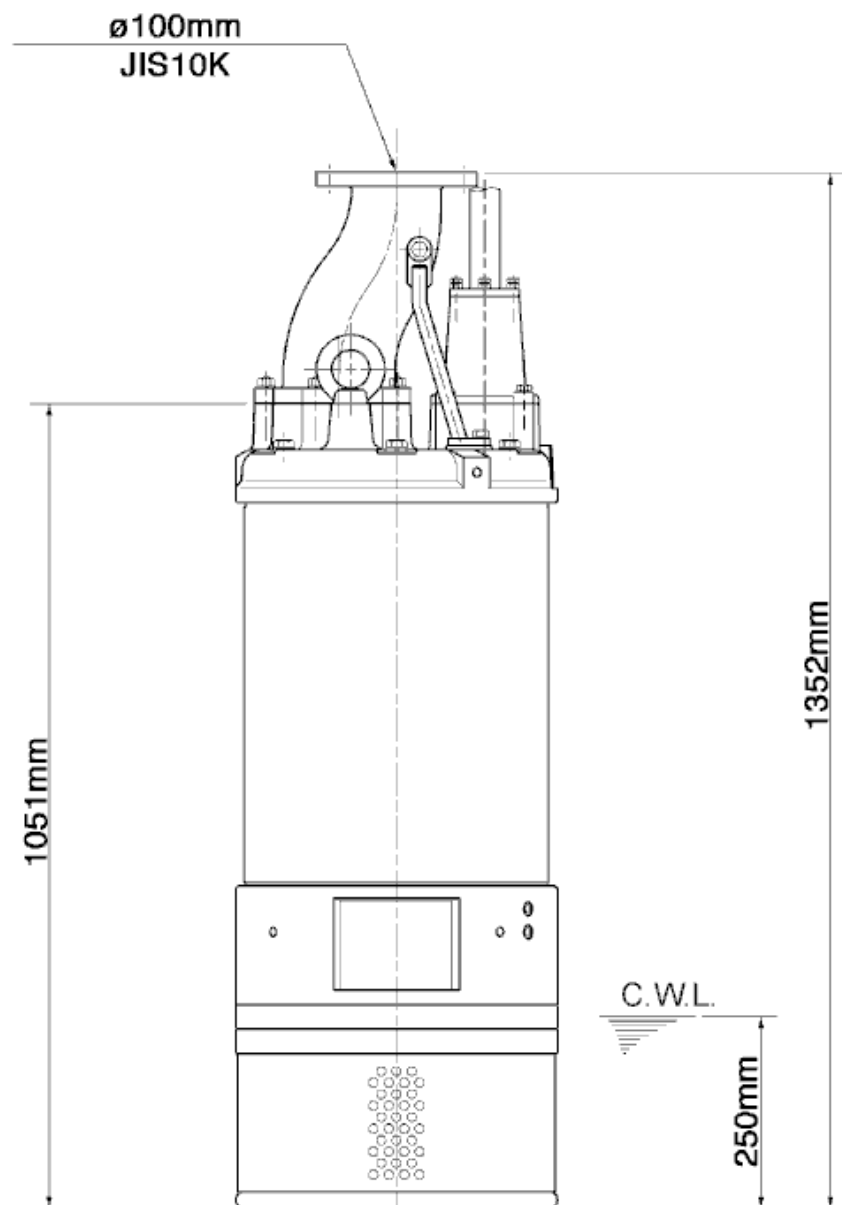
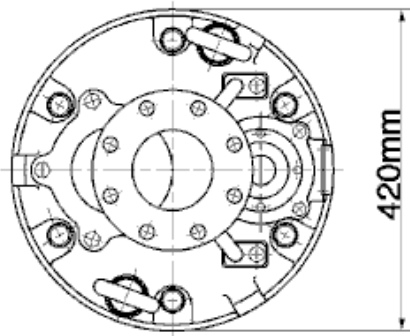
LH430-51

Discharge port	4"
Head	80.4 m
Flow	38.2 l/s
Rated power	30.00 kW
Power input	35.38 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	55 A
Starting current	389.95 A
Number of poles	2
Speed	2900 1/min
Starting mode	Star-delta
Insulation class	F



Dimensions

LH430-51



LH430-51

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

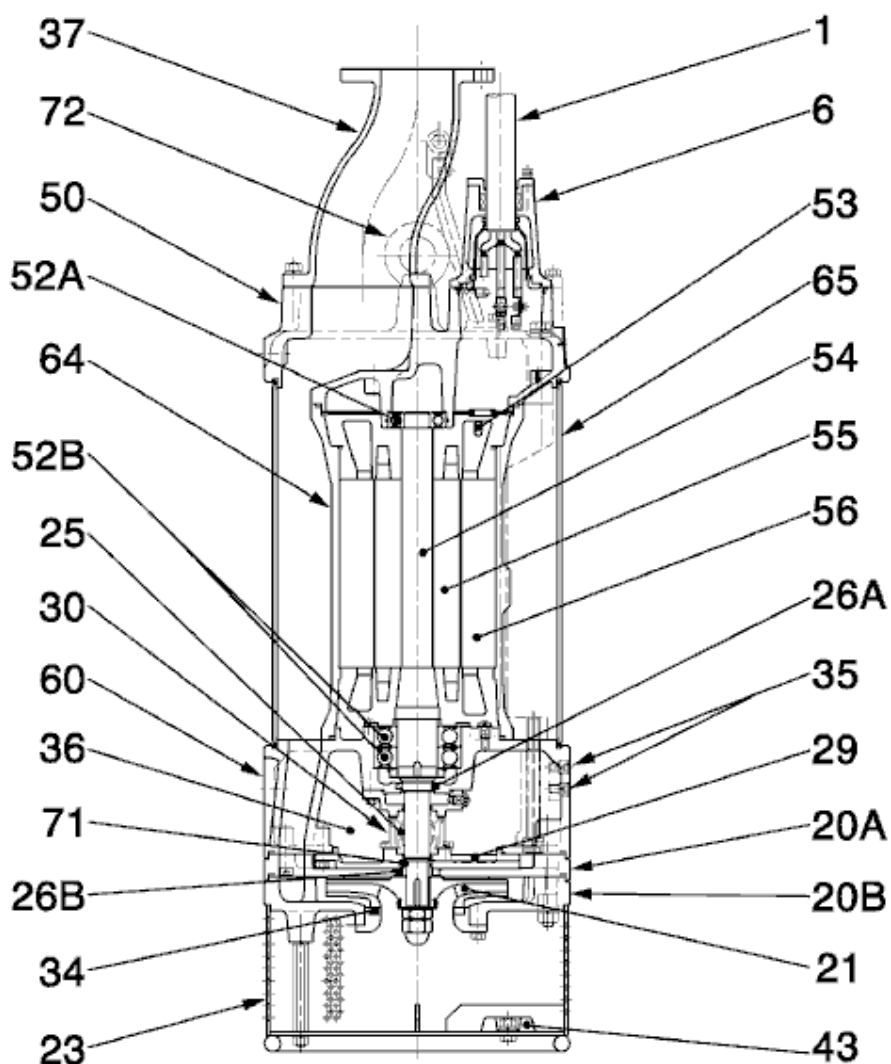


Tsurumi Europe GmbH
13.07.2018 V.18 / 1.10.2015

Heltorfer Str. 14 * 40472 Düsseldorf * Germany
Tel.: +49-211-4179373 sales@tsurumi.eu
Fax: +49-211-417937-480 www.tsurumi.eu

Sectional drawing

LH430-51



LH430-51

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	52A	Upper bearing	6307ZZC3
6	Stuffing box	FC200 (EN-GJL-200)	52B	Lower bearing	6311ZZD2C3
20A	Upper Pump casing	FCD45 (EN-GJS-450-10)	53	Miniature protector (3x)	.
20B	Lower Pump casing	FCD45 (EN-GJS-450-10)	54	Shaft	SUS420J2 (EN-X30Cr13)
21	Impeller	Chromium iron casting	55	Rotor	.
23	Strainer	Construction steel SS400	56	Stator	.
25	Mechanical seal	H-35T	60	Bearing Housing	FC200 (EN-GJL-200)
26A	Oil seal	SC40588	64	Motor Frame	FC200 (EN-GJL-200)
29	Oil casing	FC200 (EN-GJL-200)	65	Outer Cover	Construction steel SS400
30	Oil distributor	Plastic	71	Upper shaft protection sleeve	SUS403 (EN-X6Cr13)
34	Wear Ring	FC200 (EN-GJL-200)	72	Eye screw (2x)	SUS304 (EN-X5CrNi18-10)
35	Oil screw (2x)	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
37	Discharge coupling	FCD700 (EN-GJS-700-2)			
43	Sacrificial anode (4x)	Aluminium alloy			
50	Motor cover	FC200 (EN-GJL-200)			