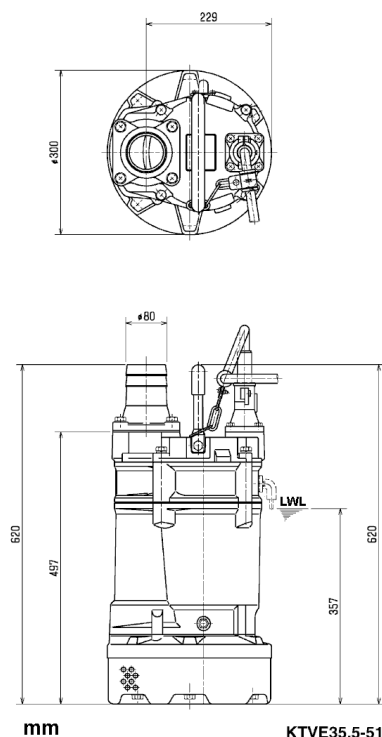


Data sheet KTVE35.5-51



CWL: Continuous running water level



Specification

Electric submersible pump KTVE-series
 Degree of protection IP 68
 Pressure resistance max. 25 m
 Type of impeller semi-vortex
 Max. solid handling 8,5 mm
 Suitable for:
 rain water, ground water, sand water

Electric motor

Dry-type submersible induction motor
 Insulation class E 2Poles 2870 1/min
 Starting mode Direct starting
 Rated voltage 400 V 50 Hz 3~
 Power uptake 7,05 kW
 Rated power 5,50 kW
 Rated current 11 A
 Start current 65,0 A

Cable

20m NSSHÖU 4Cx2,5mm²

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 carbon

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	FCD700 (EN-GJS-700-2)
Pump casing	BR + Natural Rubber
Motor Frame	Aluminium die casting
Shaft	SUS403 (EN-X6Cr13)

Discharge size

3" (80mm) Hose Coupling / BS-coupling (optional)

Weight

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

Performance curve

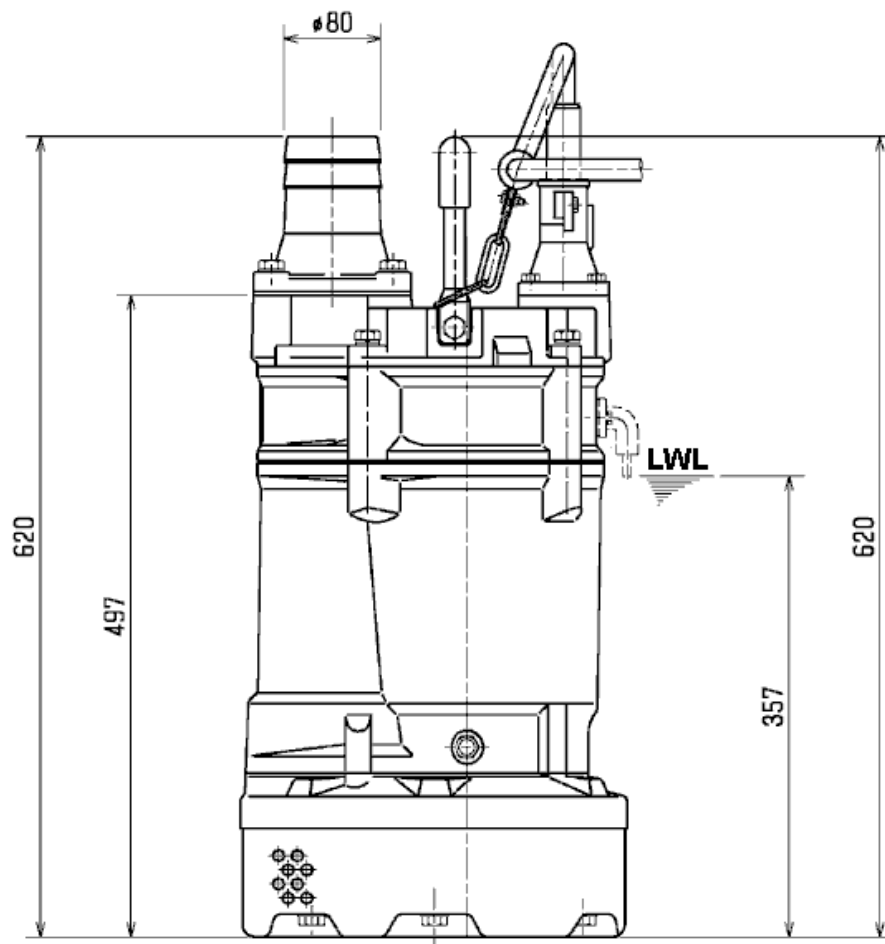
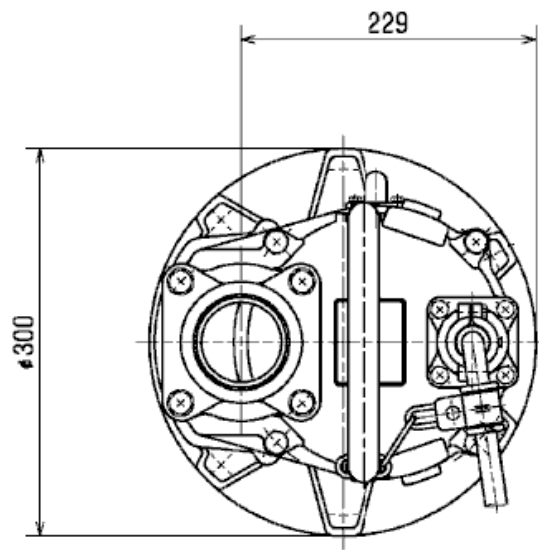
KTVE35.5-51

Discharge port	3"
Head	34,9 m
Flow	58,6 m³/h
Rated power	5,50 kW
Power input	7,05 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	11 A
Starting current	65,01 A
Number of poles	2
Speed	2870 1/min
Starting mode	Direct starting
Insulation class	E



Dimensions

KTVE35.5-51



mm

KTVE35.5-51

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

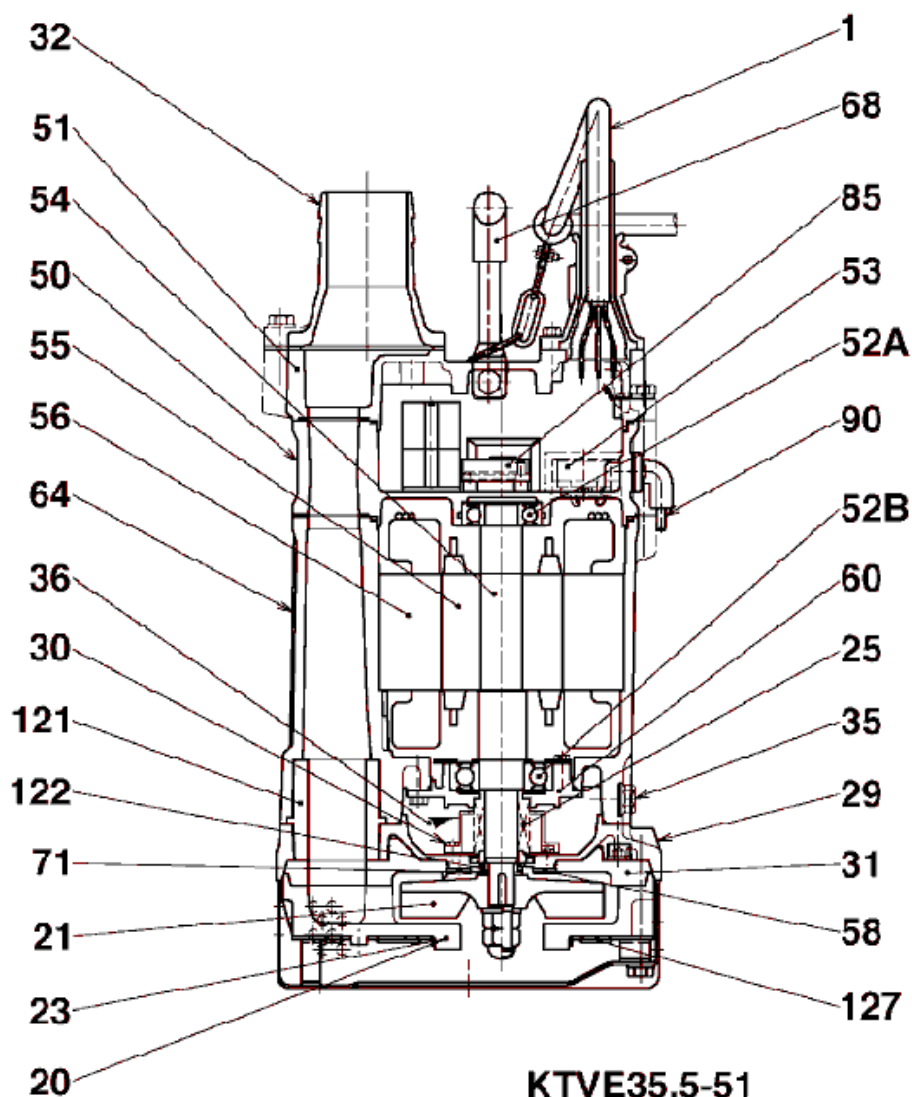


Tsurumi Europe GmbH
24.12.2016 V.20 / 1.11.2017

Wahlerstr. 10 * 40472 Düsseldorf * Germany
Tel.: +49-211-4179373 sales@tsurumi.eu
Fax: +49-211-417937-480 www.tsurumi.eu

Sectional drawing

KTVE35.5-51



No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	54	Shaft	SUS403 (EN-X6Cr13)
20	Pump casing	BR + Natural Rubber	55	Rotor	.
21	Impeller	FCD700 (EN-GJS-700-2)	56	Stator	.
23	Strainer	Steel plate	58	Clear-view screen	SUS304 (EN-X5CrNi18-10)
25	Mechanical seal	H-25T	60	Bearing Housing	Aluminium die casting
29	Oil casing	Aluminium die casting	64	Motor Frame	Aluminium die casting
30	Oil distributor	Plastic	68	Handle	SGP + NBR
31	Wear protection	BR	71	Shaft protection sleeve	SUS304 (EN-X5CrNi18-10)
32	Discharge coupling	Aluminium die casting	85	Relais	.
35	Oil screw	SUS304 (EN-X5CrNi18-10)	90	Electrode	.
36	Lubricant	Turbine oil (ISO VG32)	121	Seal	SBR
50	Main cover	Aluminium die casting	122	V-ring	Nitrile Rubber
51	Main cover	Aluminium die casting	127	Pressure plate	Steel plate
52A	Upper bearing	6305ZZC3			
52B	Lower bearing	6307ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			