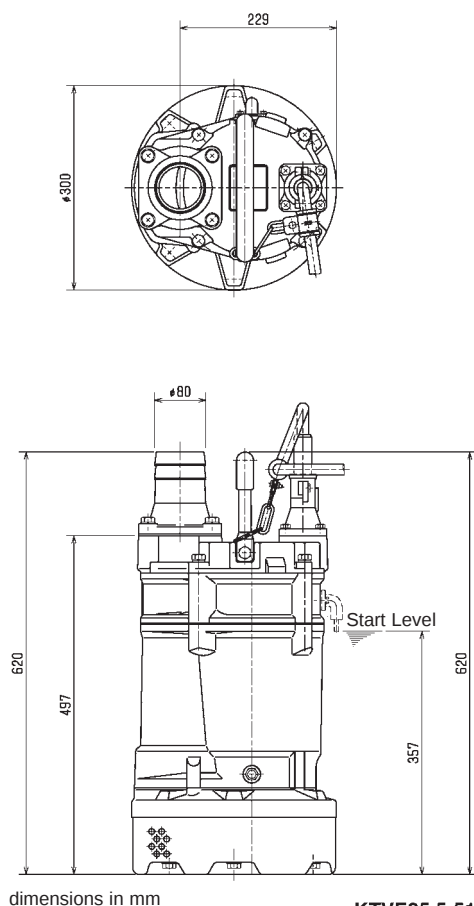
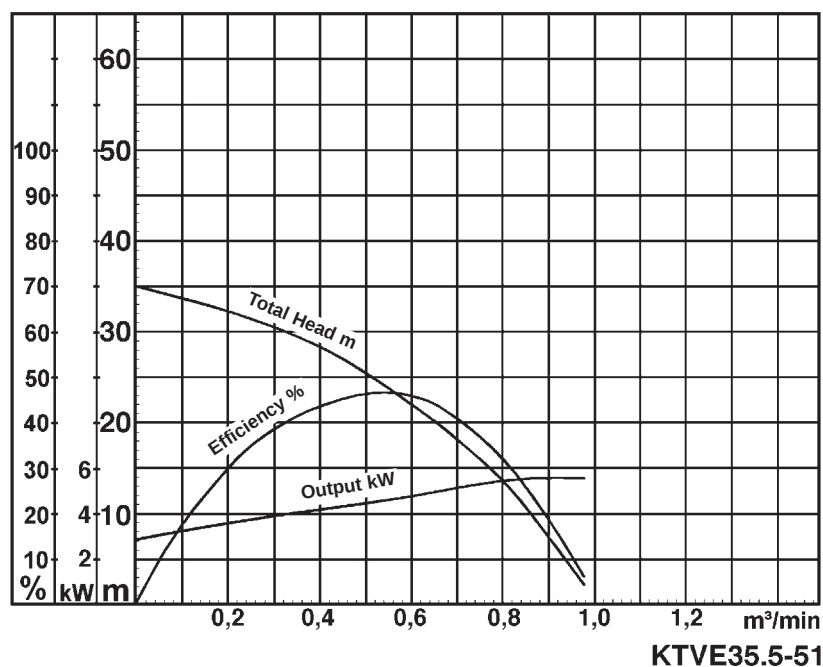


Data Sheet KTVE35.5-51



KTVE35.5-51



Classification

Automatic electric submersible pump with water sensor (electrode)
Protection class IP68
Depth of submersion max. 50m
Semi-vortex impeller
Max. solid handling 8,5mm
Suitable for rain water, ground water, sand carrying water

Electric Motor

Dry-type submersible induction motor,
Insulation class E, 2 poles, 2870 r.p.m.
Direct on line start
Voltage: 400V, 50Hz, 3-phase
Power input: 7,06kW
Power output: 5,50kW
Nominal current: 11,0A
Start current: 65,0A

Electric Cable

20m H07RN-F 4Cx2,5mm²

Motor Protection

Circle thermal protector
(snap-action bi-metal device)

Shaft Seal

Double 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)
Casing:	BR + Natural Rubber
Motor frame:	Aluminium alloy casting ADC12
Shaft:	SUS403 (EN-X6Cr13)

Discharge Connection

3" (80mm) BS-Coupling (threaded flange)

Weight

52,0 kg (dry weight of the pump without cable)

Special Feature

level control by water sensors (electrodes)

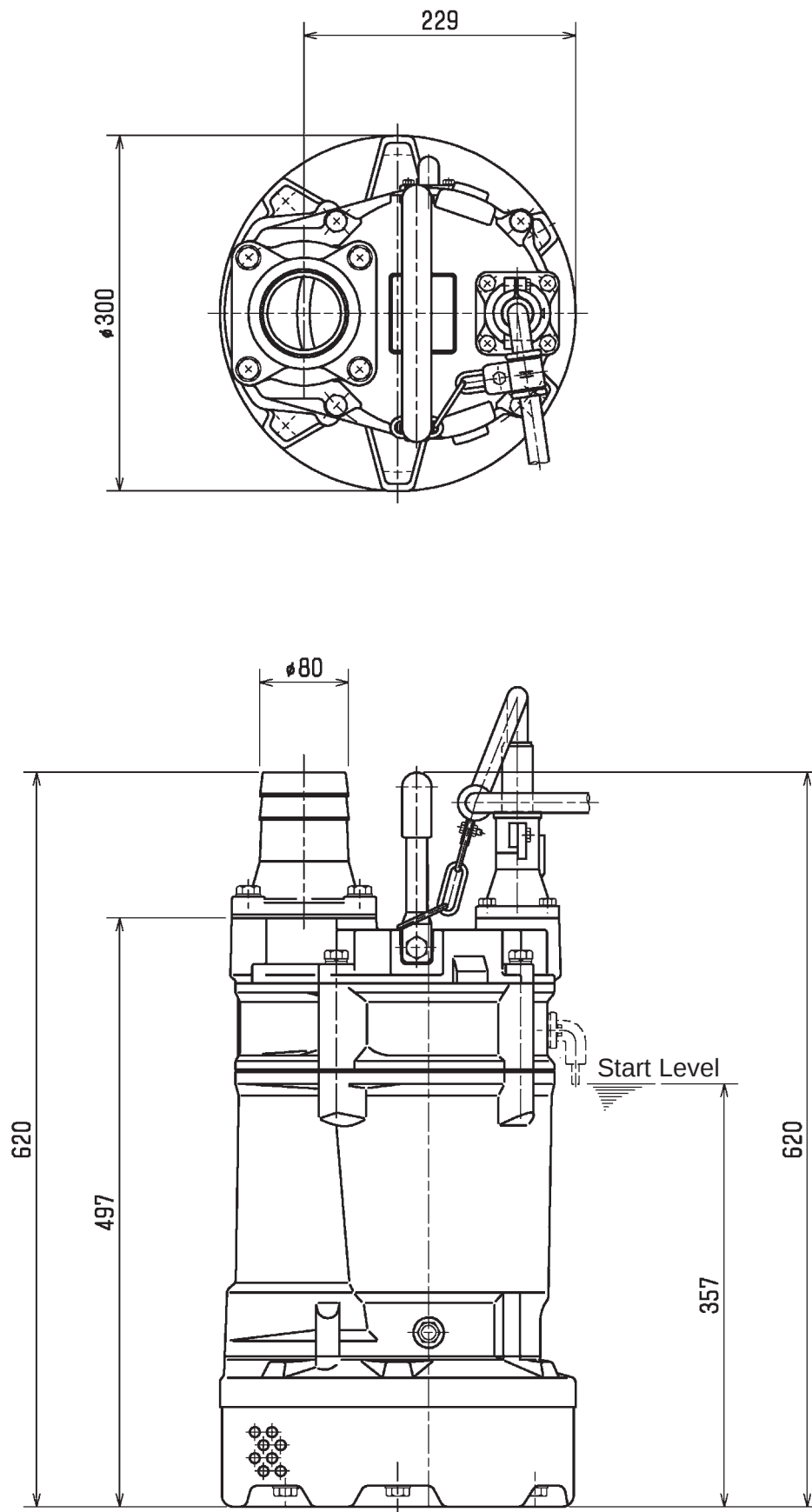


Tsurumi Europe GmbH
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Heltorfer Str.14 • 40472 Düsseldorf • Germany
Tel.: +49-211-4179373 • Fax: +49-211-4791429
Sales@tsurumi-europe.com • www.Tsurumi-Europe.com

Dimensional Drawing KTVE35.5-51

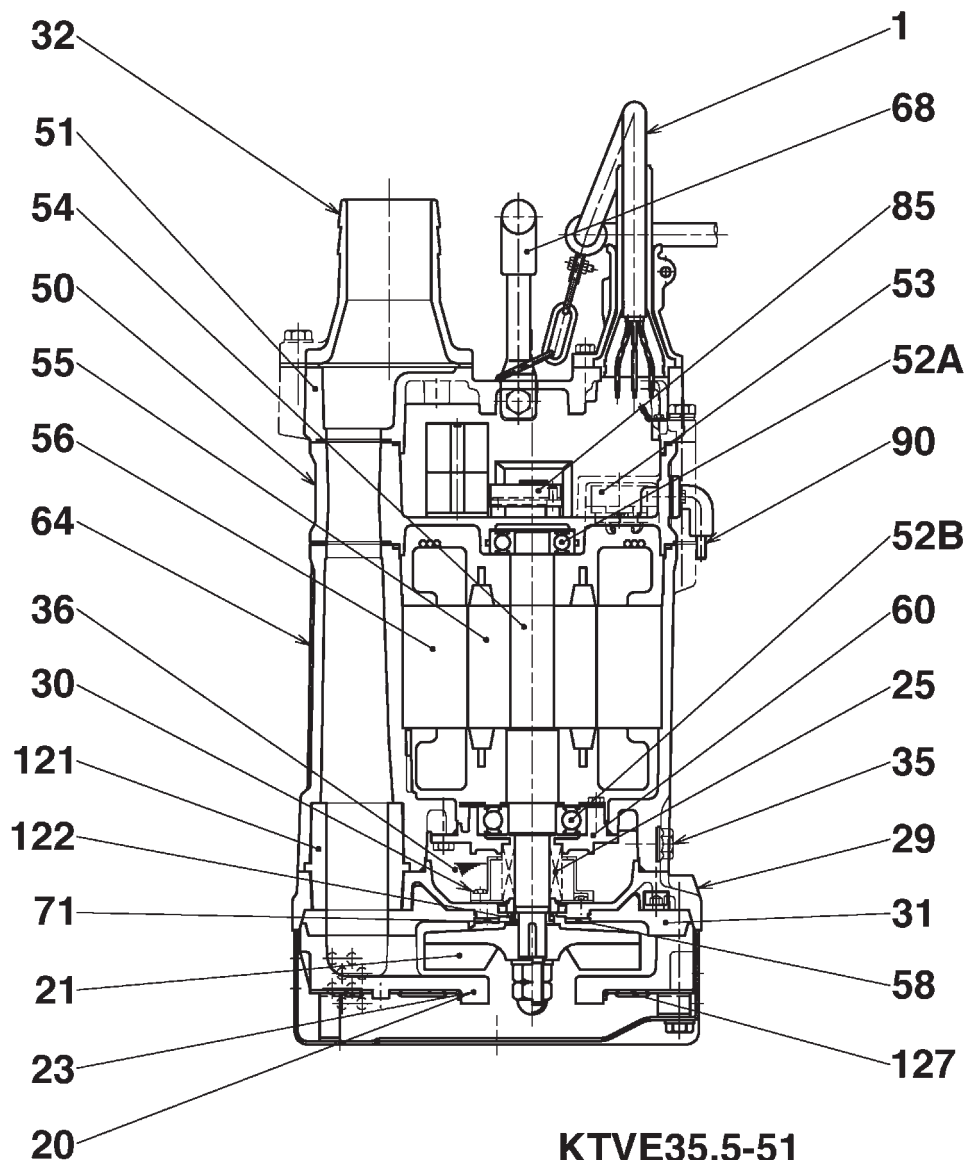
Dimensions in mm



KTVE35.5-51

Sectional Drawing

KTVE35.5-51

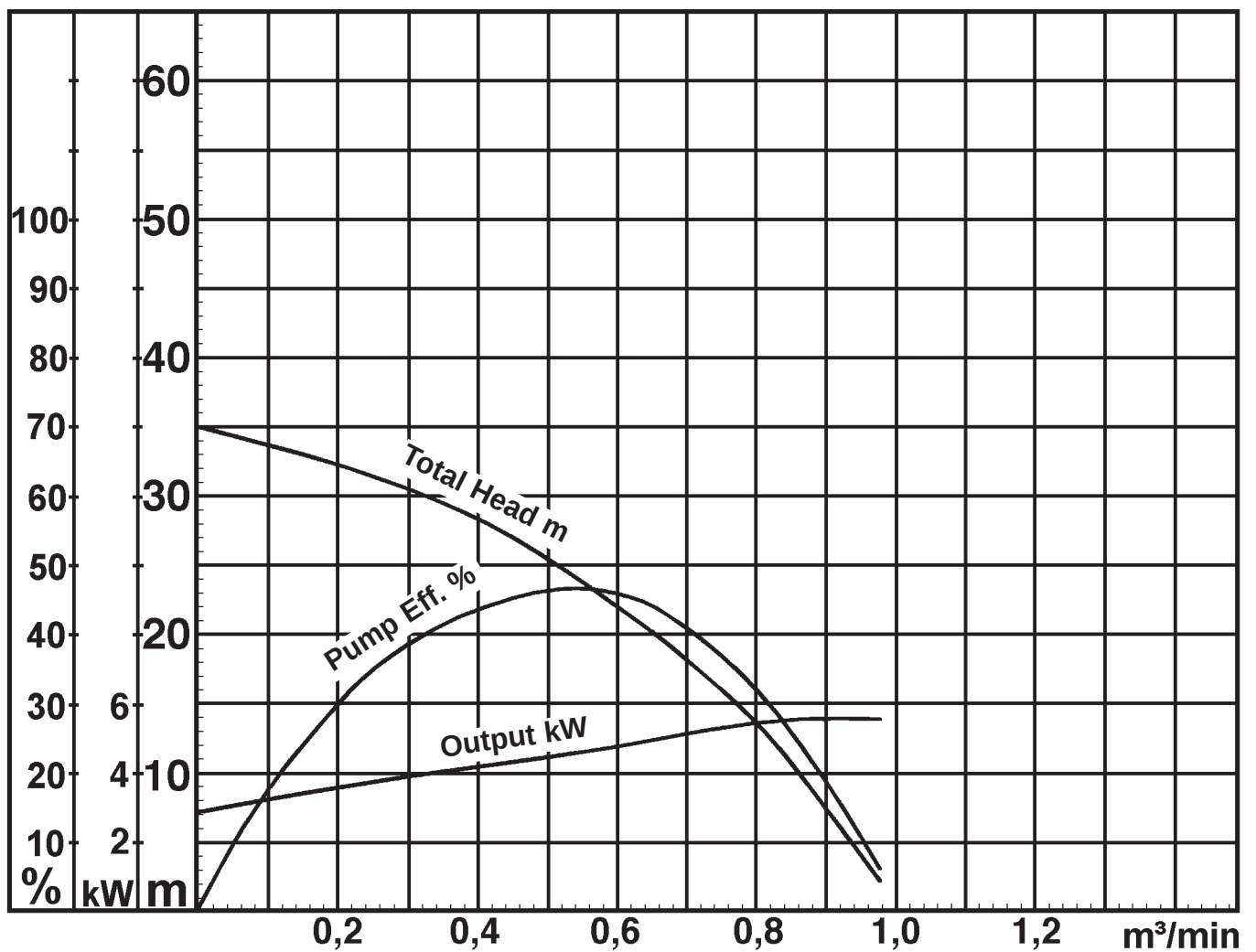


No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	20m H07RN-F4Cx2,5mm ²	53	Motor Protector	1	
20	Pump Casing	1	BR + Natural Rubber	54	Shaft	1	SUS403 (EN-X6Cr13)
21	Impeller	1	FCD700 (EN-GJS-700-2)	55	Rotor	1	
23	Strainer	1	SPCC	56	Stator	1	
25	Mechanical Seal	1	H-25T	58	Protection Plate	1	SUS304 (EN-X5CrNi18-10)
29	Oil Casing	1	ADC12	60	Bearing Housing	1	ADC12
30	Oil Lifter	1	Plastic	64	Motor Frame	1	ADC12
31	Wearing Plate	1	BR	68	Handle	1	SGP + NBR
32	Hose Coupling	1	ADC12	71	Shaft Sleeve	1	SUS304 (EN-X5CrNi18-10)
35	Oil Plug	1	SUS304 (EN-X5CrNi18-10)	85	Relay Unit	1	
36	Lubricant		Turbine Oil (ISO VG32)	90	Level Sensor	1	
50	Motor Bracket	1	ADC12	121	Packing	1	SBR
51	Motor Head Cover	1	ADC12	122	V-Ring	1	NBR
52A	Upper Bearing	1	6305ZZC3	127	Fittings	1	SPCC
52B	Lower Bearing	1	6307ZZC3				

Pump Performance Curve

KTVE35.5-51

Discharge Bore	80 mm
Total Head	22 m
Capacity	0,6 m ³ /min
Motor Output	5,50 kW
Motor Input	7,06 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	11,0 A
Starting Current	65,0 A
Poles	2
Revolution	S.S. 2870 r.p.m.
Starting Method	direct on line
Insulation Class	E



KTVE35.5-51