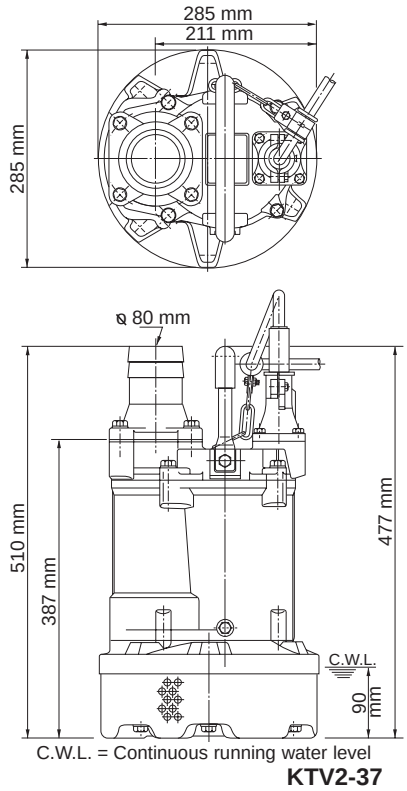
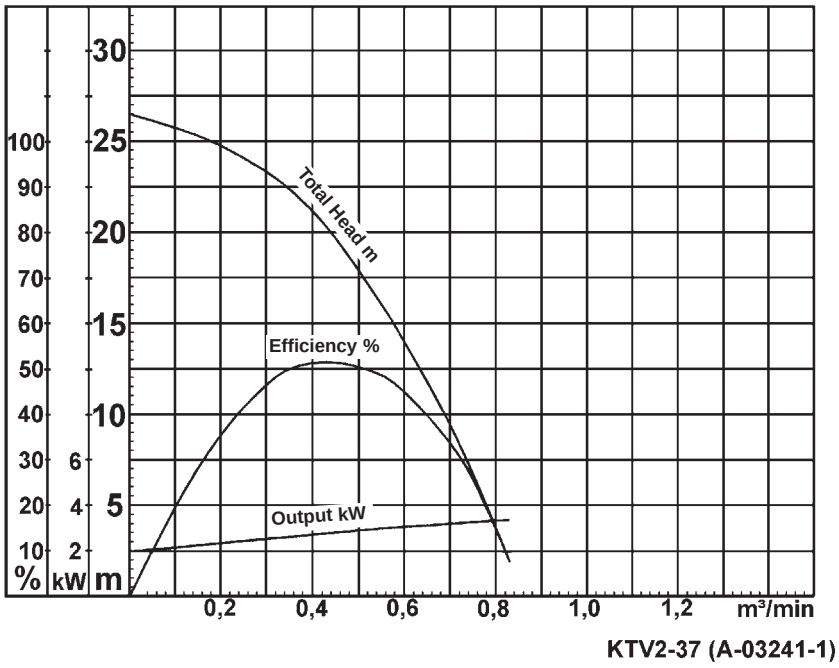
Data Sheet KTV2-37



KTV2-37



Classification
Electric submersible pump
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:	4,63kW
Power output:	3,70kW
Nominal current:	7,4A
Start current:	48,0A

Electric Cable
20m H07RN-F 4Cx1,5mm^2

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

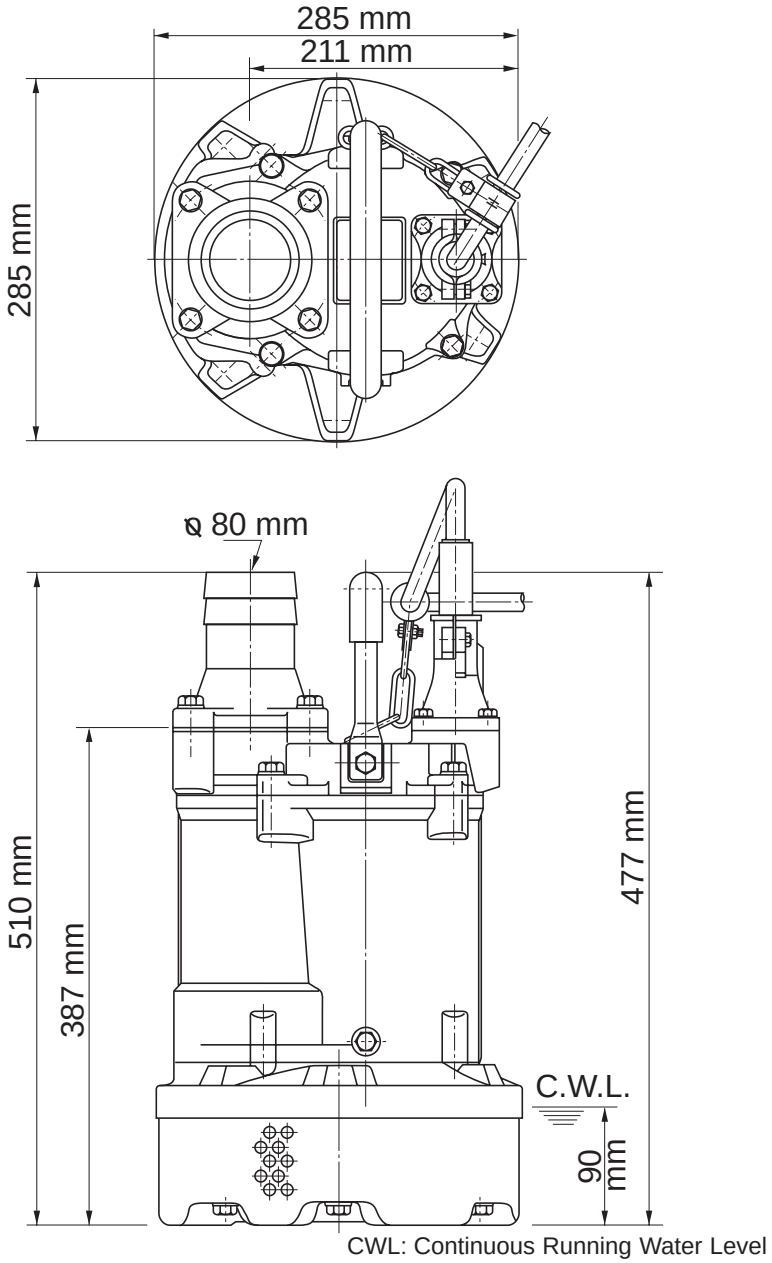
Impeller:	FCD700 (EN-GJS-700-2)
Casing:	Synthetic rubber
Motor frame:	Aluminium alloy casting
Shaft:	SUS403 (EN-X6Cr13)

Discharge Connection
3” (80mm) hose coupling

Weight
36 kg (dry weight of the pump without cable)

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

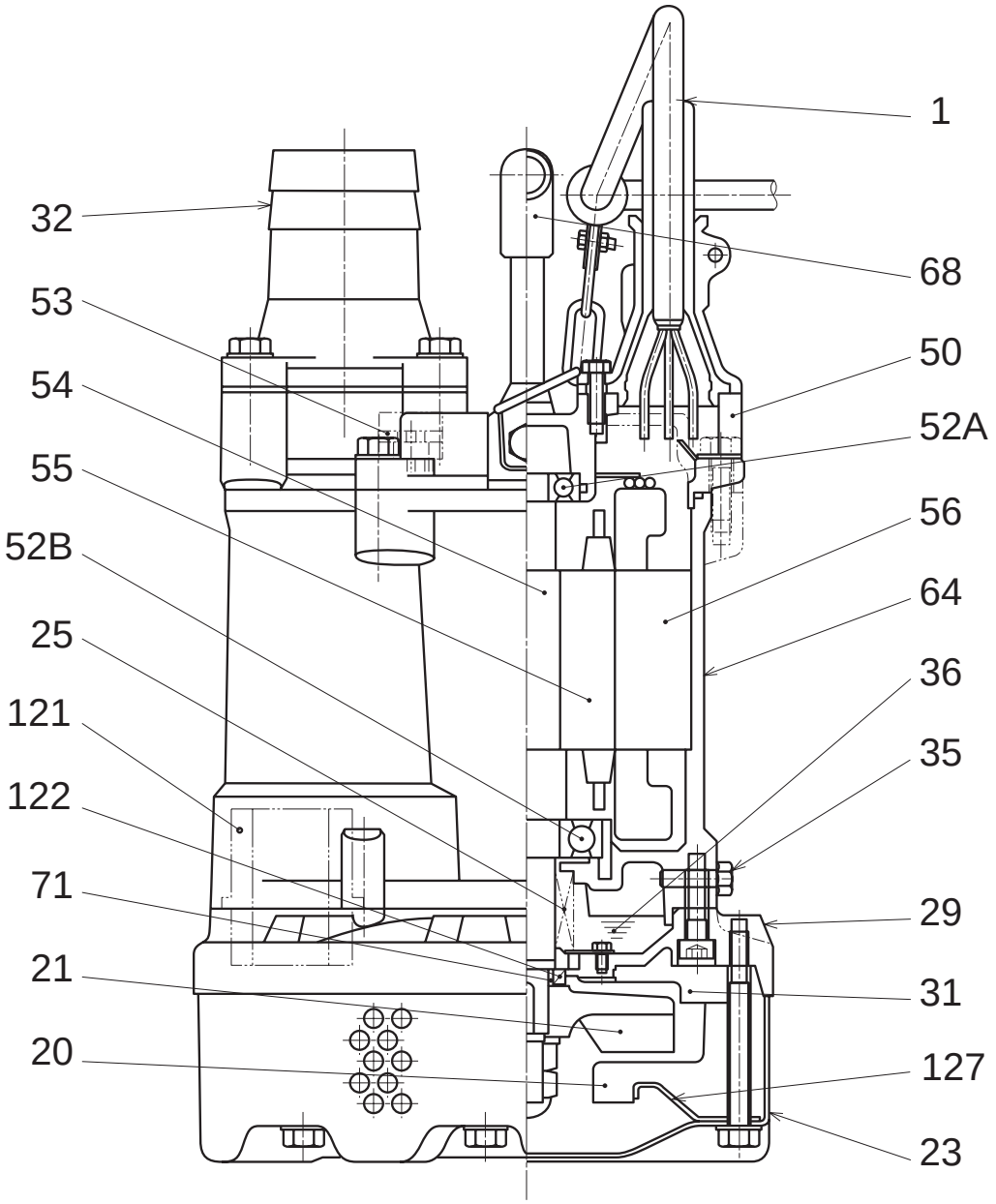
Dimensional Drawing KTV2-37



CWL: Continuous Running Water Level

KTV2-37

Sectional Drawing
KTV2-37

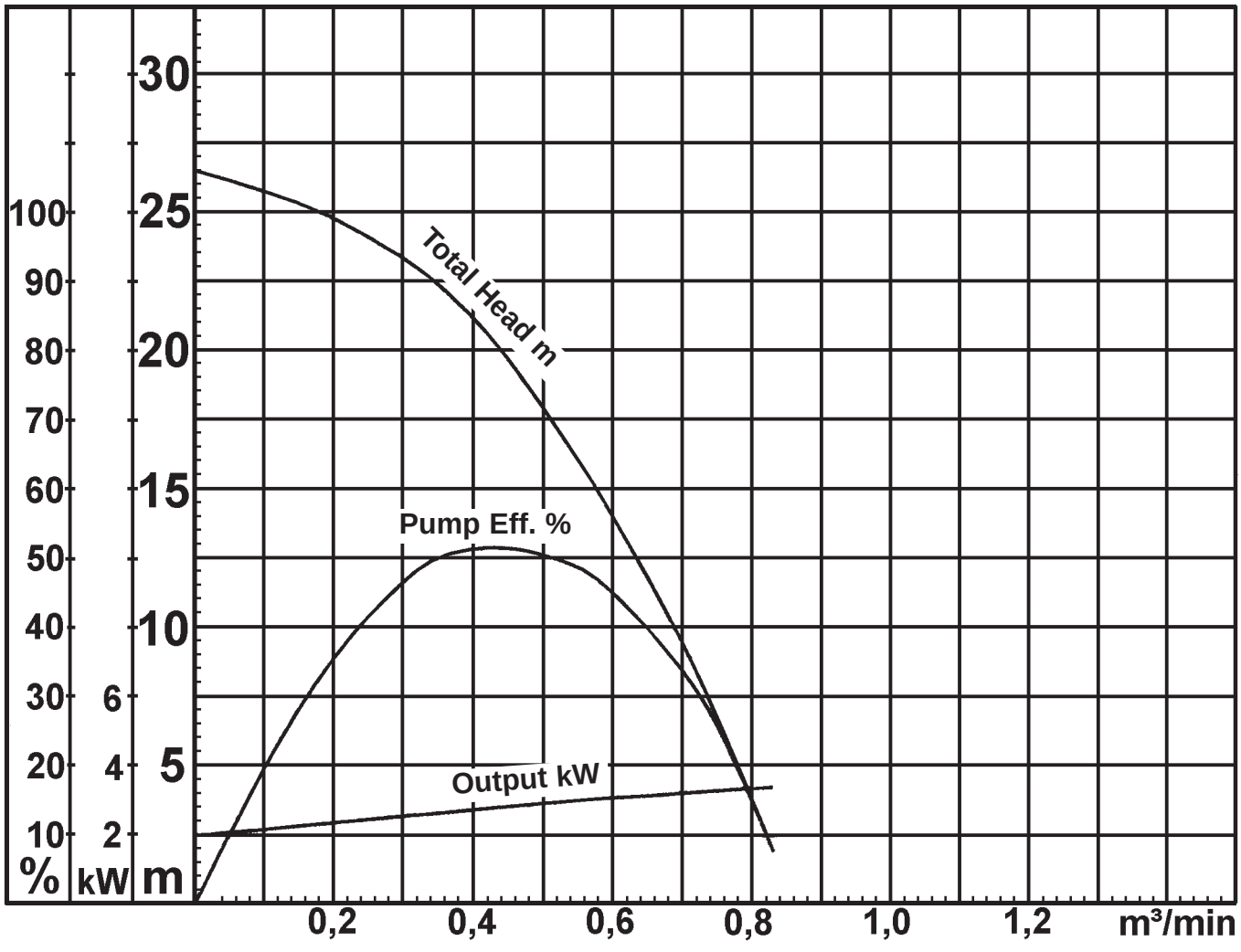


No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	H07RN-F	54	Shaft	1	SUS403 (EN-X6Cr13)
20	Pump Casing	1	Rubber	55	Rotor	1	
21	Impeller	1	FCD700 (EN-GJS-700-2)	56	Stator	1	
23	Strainer	1	SPCC	64	Motor Frame	1	ADC12
25	Mechanical Seal	1	H-25	68	Handle	1	SPC + NBR
29	Oil Casing	1	ADC12	71	Shaft Sleeve	1	SUS304 (EN-X5CrNi18-10)
31	Liner	1	Rubber	121	Packing	1	Rubber
32	Hose Coupling	1	ADC12	122	V-Ring	1	NBR
35	Oil Plug	1	SUS304 (EN-X5CrNi18-10)	127	Retainer	1	SPCC
36	Lubricant		Turbine Oil (ISO VG32)				
50	Motor Bracket	1	ADC12				
52A	Upper Bearing	1	6204ZZC3				
52B	Lower Bearing	1	6306ZZC3				
53	Motor Protector	1					

TSURUMI PUMP
Tsurumi Europe GmbH
17.07.2000
Heltorfer Str.14 • 40472 Düsseldorf • Germany
Tel.: +49-211-4179373 • Fax: +49-211-4791429
Sales@tsurumi-europe.com • www.Tsurumi-Europe.com

Pump Performance Curve
KTV2-37

Discharge Bore	80 mm
Total Head	18 m
Capacity	0,50 m³/min
Motor Output	3,70 kW
Motor Input	4,63 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	7,4 A
Starting Current	48,0 A
Poles	2
Revolution	S.S. 2875 r.p.m.
Starting Method	direct on line
Insulation Class	E



KTV2-37 (A-03241-1)