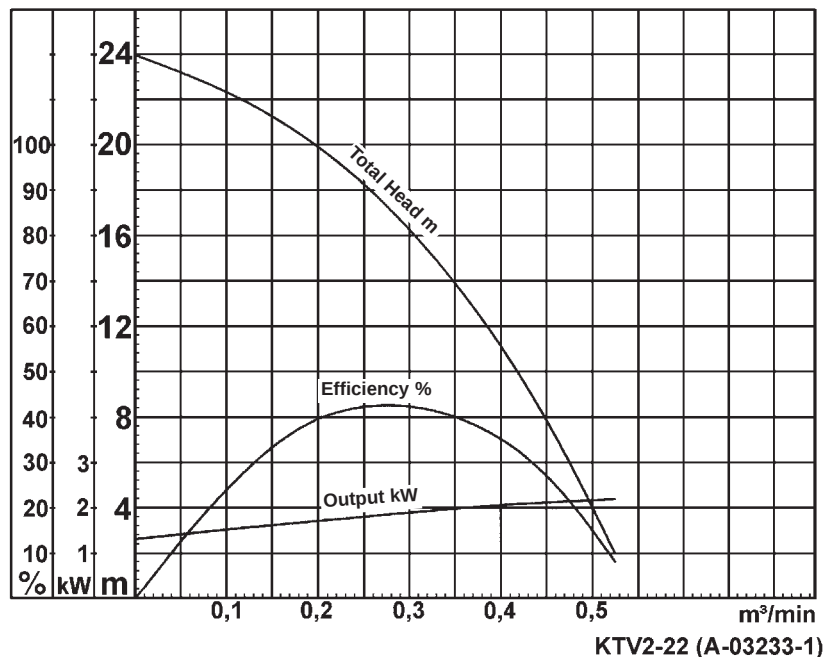
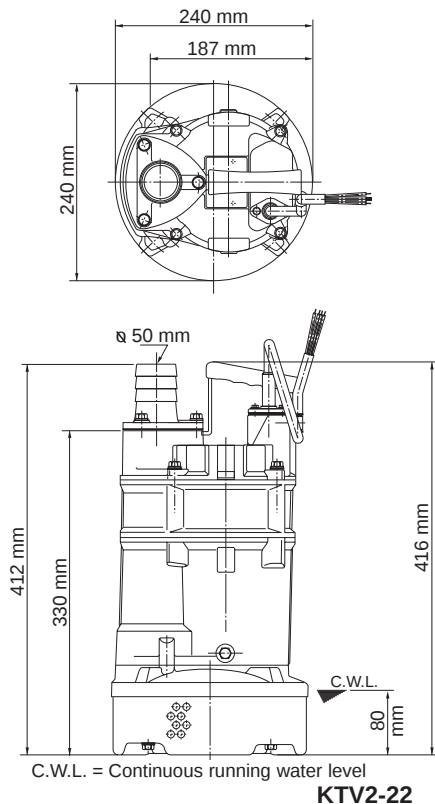


Data Sheet KTV2-22



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: 2,67kW
Power output: 2,20kW
Nominal current: 4,3A
Start current: 30,0A

Electric Cable

20m H07RN-F 4Cx1,5mm²

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:	Synthetic rubber
Motor frame:	Aluminium alloy casting
Shaft:	SUS403 (EN-X6Cr13)

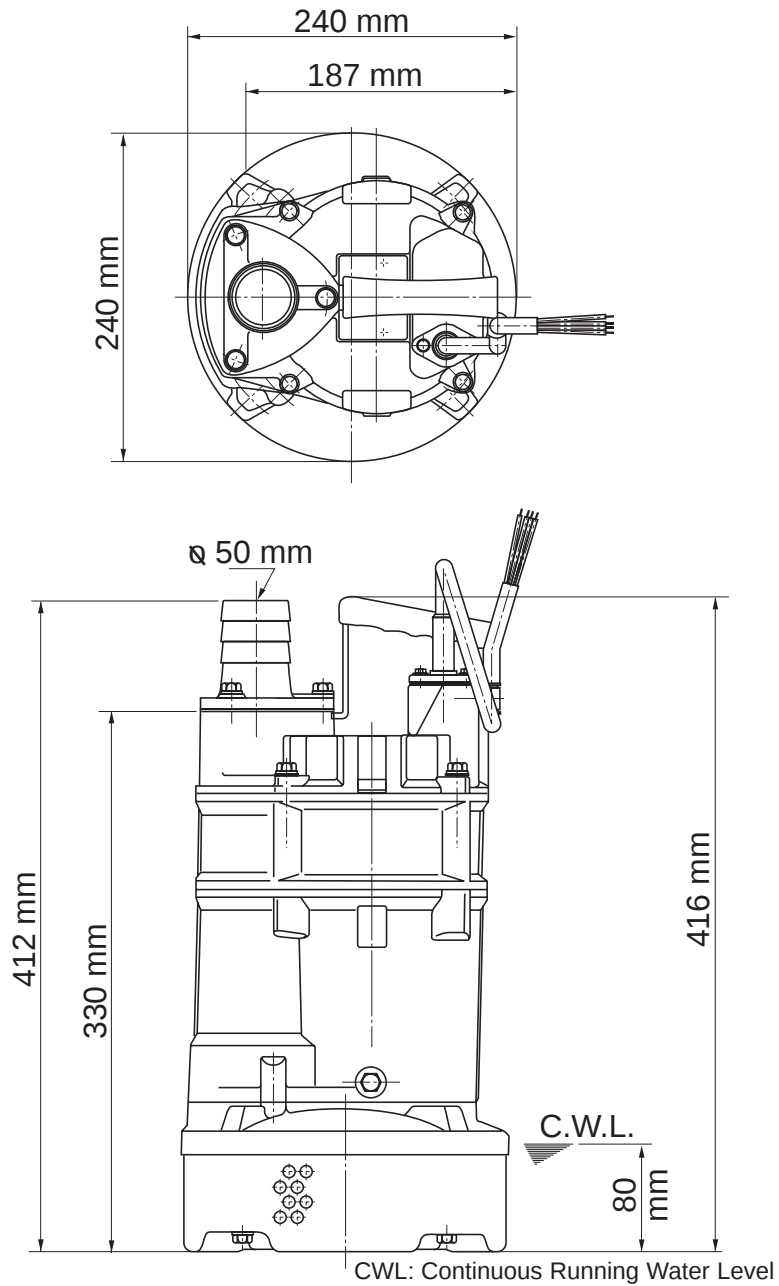
Discharge Connection

2" (50mm) hose coupling

Weight

23,0 kg (dry weight of the pump without cable)

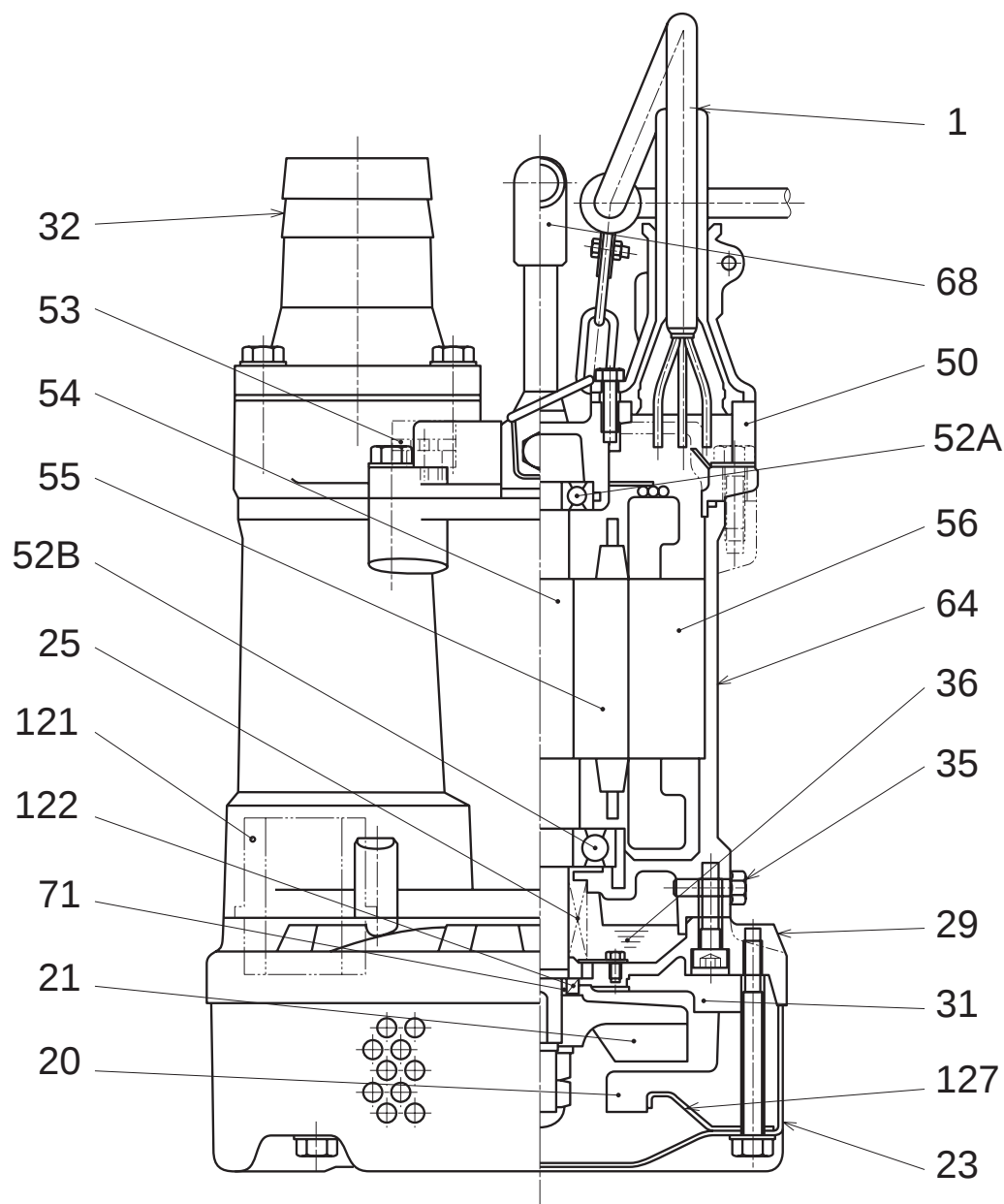
Dimensional Drawing KTV2-22



KTV2-22

Sectional Drawing

KTV2-22

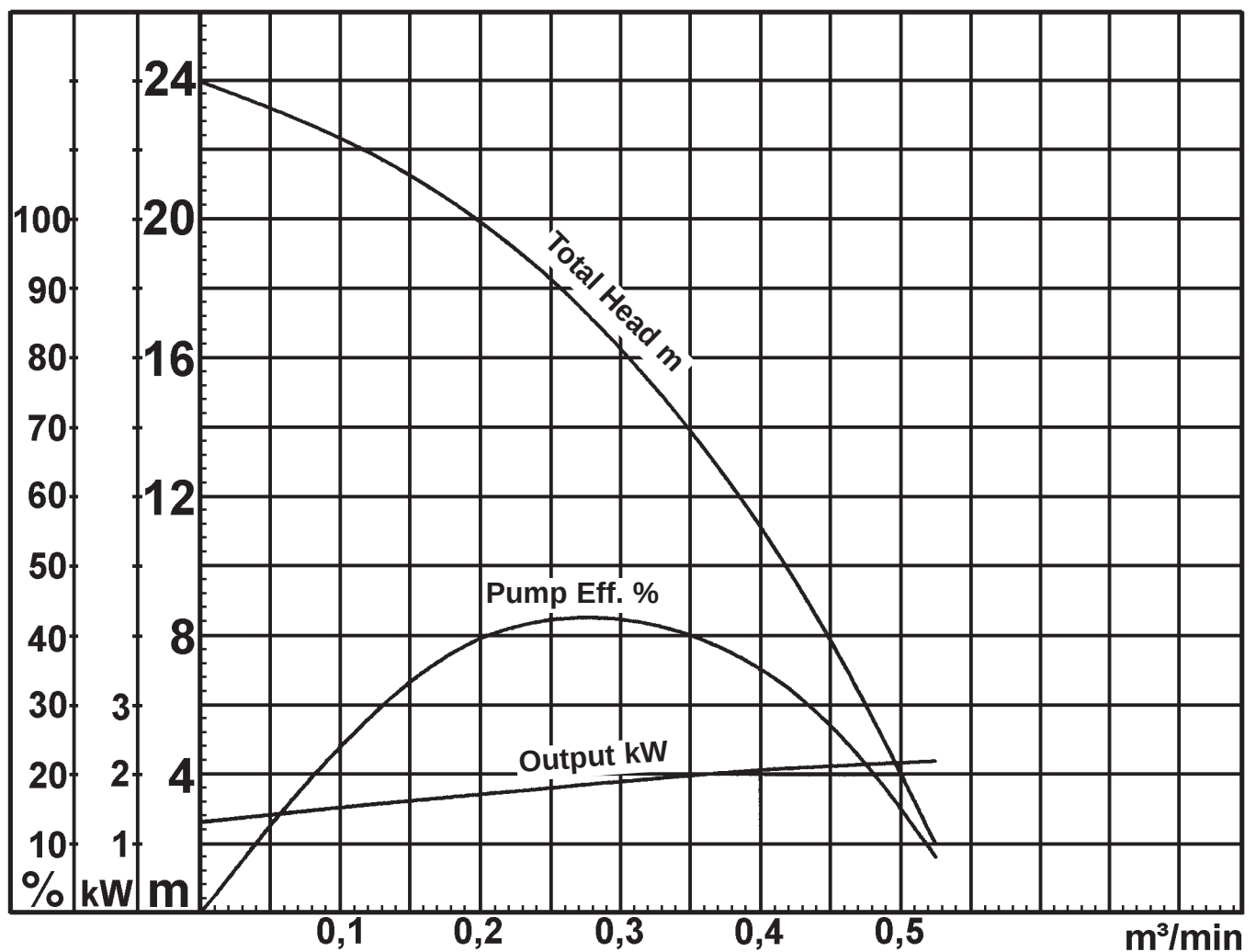


No.	Description	Qty.	Remarks	No.	Description	Qty.	Remarks
1	Cabtyre Cable	1	H07RN-F	54	Shaft	1	SUS403 (EN-X6Cr13)
20	Pump Casing	1	Rubber	55	Rotor	1	
21	Impeller	1	FCD700 (EN-GJS-700-2)	56	Stator	1	
23	Strainer	1	SPCC	64	Motor Frame	1	ADC12
25	Mechanical Seal	1	H-20T	68	Handle	1	SPC + NBR
29	Oil Casing	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	6305ZZC3				
53	Motor Protector	1					

Pump Performance Curve

KTV2-22

Discharge Bore	50 mm
Total Head	20 m
Capacity	0,20 m ³ /min
Motor Output	2,20 kW
Motor Input	2,67 kW
Phase	3
Voltage	400 V
Frequency	50 Hz
Rated Current	4,3 A
Starting Current	30,0 A
Poles	2
Revolution	S.S. 2870 r.p.m.
Starting Method	direct on line
Insulation Class	E



KTV2-22 (A-03233-1)