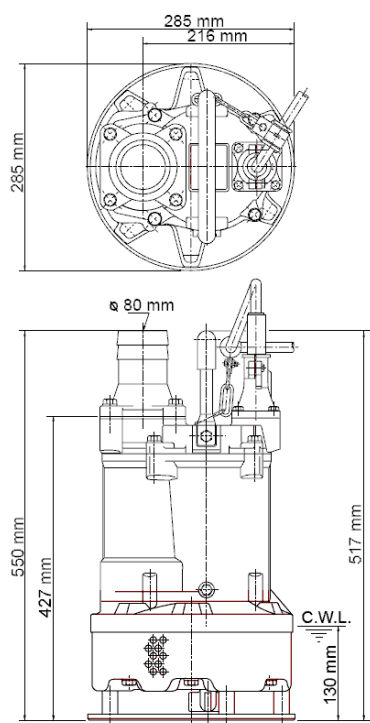


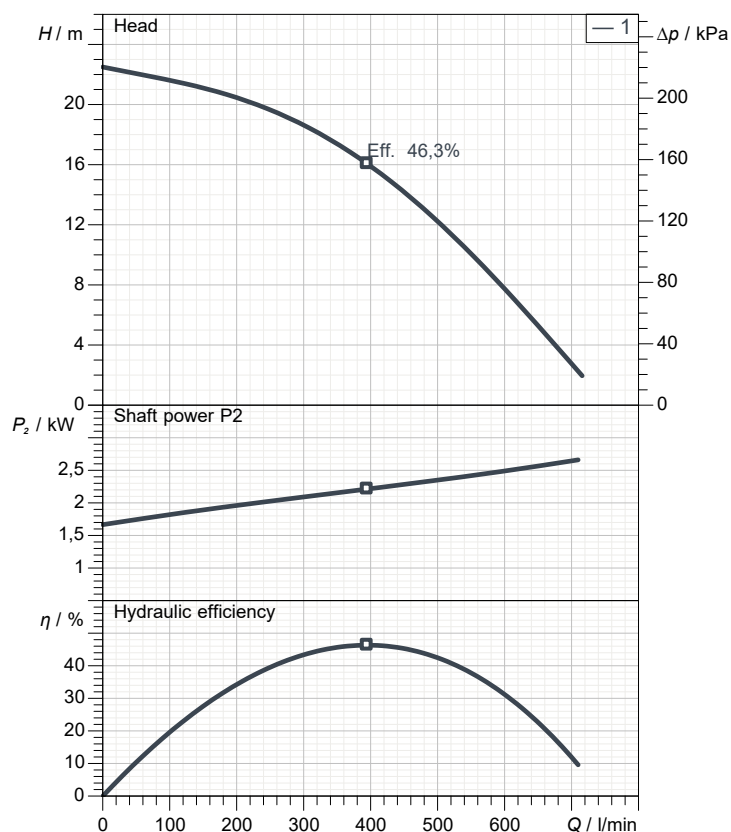
		Quotation		Version-no.	Page: 1
Company name Department Contact person Phone no. Fax-no. Email address					
Pos.no.	Qty.	Description	Item no.	UP / EUR	TP / EUR
1 Electric submersible pump with agitator					
1.1	1	Centrifugal pump: KTV2-80 KTV2-80 400 V / 50 Hz / 3~ Submersible contractors' pump in aluminium design with vortex impeller, Vortex impeller Qmax: 715,9 l/min Hmax: 22,5 m P: 3 kW U: 400 V / 3~ / 50 Hz In: 6,1 A n: 2.875 1/min Discharge: 3" Connection cable: 20m NSSHÖU 4Cx1,5mm²	IKV28IR2(NS)	Price on req	Price on req.
Projektnummer		Referenz		Erstelldatum 2023-08-31	Last update 2023-08-31

Data sheet KTV2-80



KTV2-80

CWL: Continuous running water level



Specification

Electric submersible pump with agitator
 Degree of protection IP 68
 Pressure resistance max. 25 m
 Type of impeller semi-vortex
 Max. solid handling 8,5 mm
 Suitable for:
 sludge, slurry, waste water

Electric motor

Dry-type submersible induction motor
 Insulation class E 2Poles 2.875 1/min
 Starting mode Direct starting
 Rated voltage 400 V 50 Hz 3~
 Power uptake 3,66 kW
 Rated power 3,00 kW
 Rated current 6,1 A
 Start current 48,0 A

Cable

20m NSSHÖU 4Cx1,5mm²

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 silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	Chromium iron casting
Agitator	FCD700 (EN-GJS-700-2)
Pump casing	Synthetic rubber
Motor Frame	Aluminium alloy casting
Shaft	SUS403 (EN-X6Cr13)

Discharge size

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

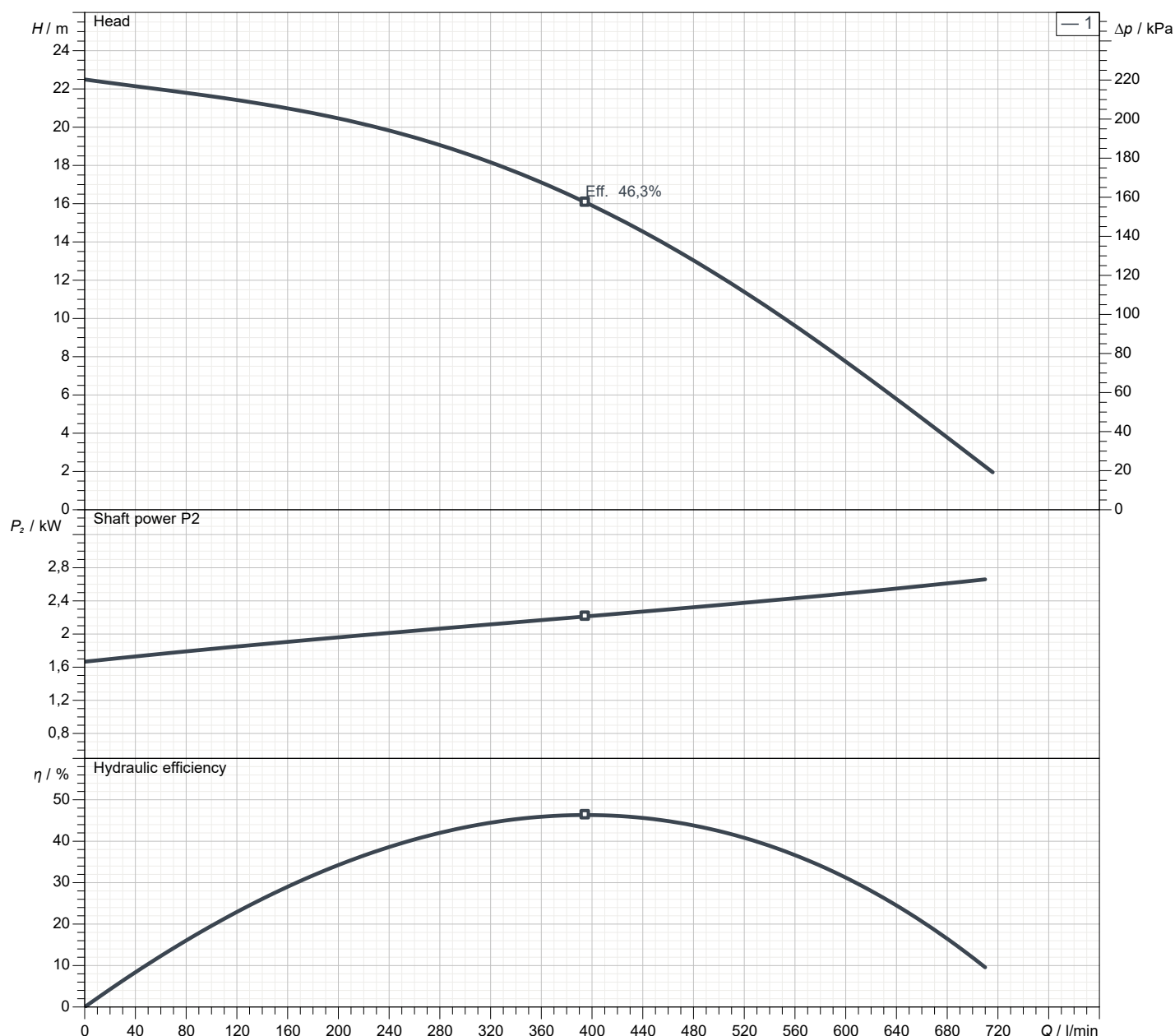
Weight

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

Performance curve

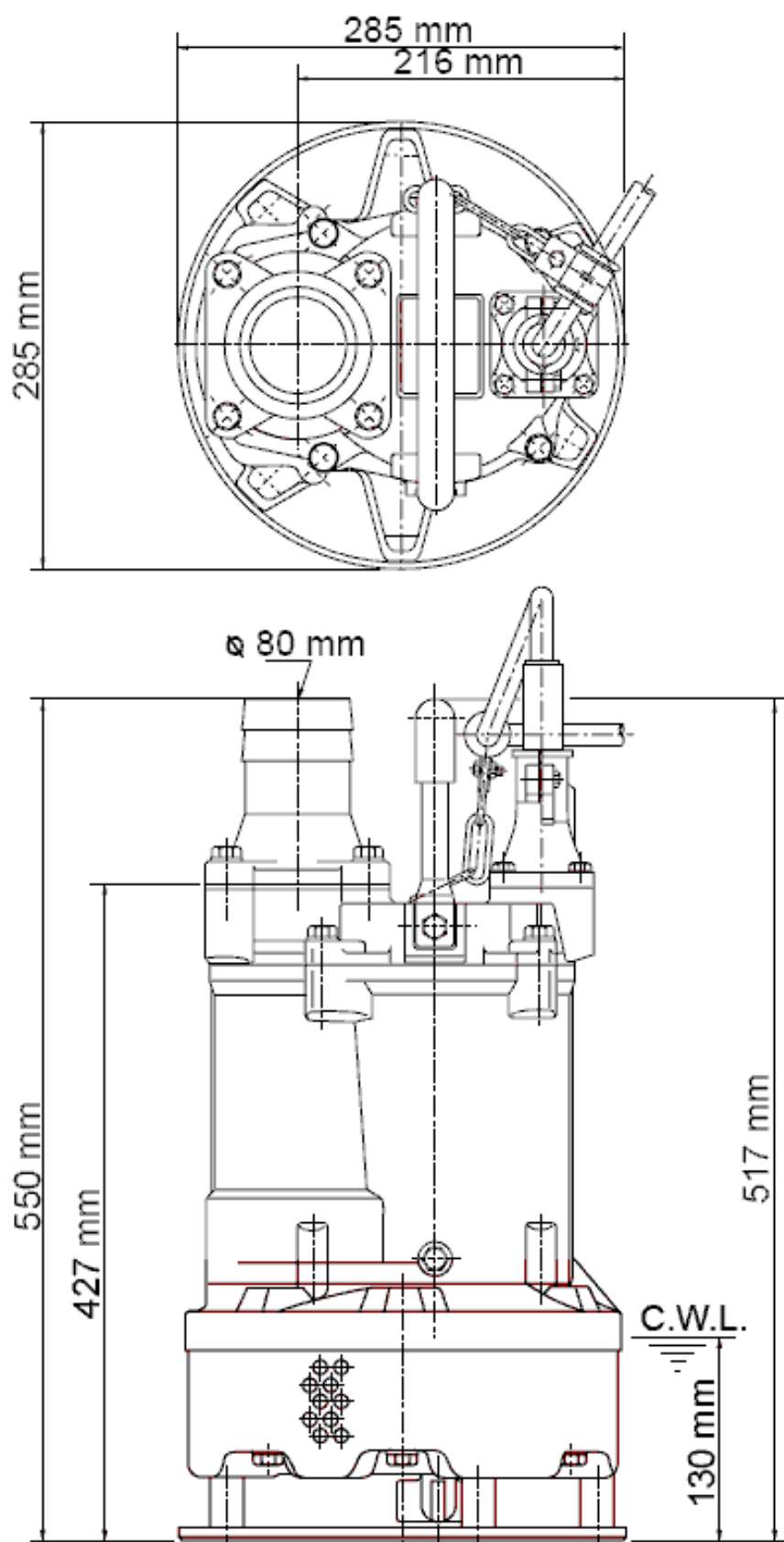
KTV2-80

Discharge port	3"
Head	22,5 m
Flow	715,9 l/min
Rated power	3,00 kW
Power input	3,66 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	6,1 A
Starting current	48,01 A
Number of poles	2
Speed	2.875 1/min
Starting mode	Direct starting
Insulation class	E



Dimensions

KTV2-80

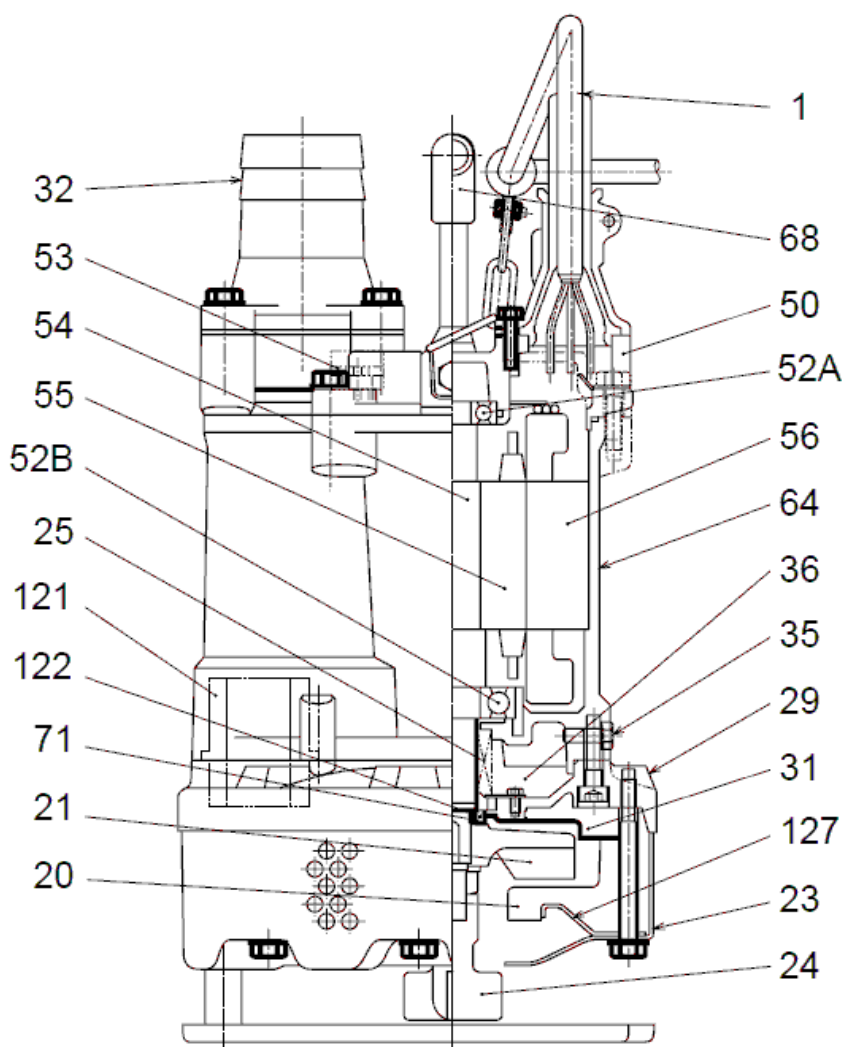


KTV2-80

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

Sectional drawing

KTV2-80



KTV2-80

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	55	Rotor	.
20	Pump casing	Synthetic rubber	56	Stator	.
21	Impeller	Chromium iron casting	64	Motor Frame	Aluminium alloy casting
23	Strainer	Steel plate	68	Handle	Steelplate + butadieneacrylnitrilerubber
24	Agitator	FCD700 (EN-GJS-700-2)	71	Shaft protection sleeve	SUS304 (EN-X5CrNi18-10)
25	Mechanical seal	H-25	121	Wear protection	Synthetic rubber
29	Oil casing	Aluminium alloy casting	122	V-ring	Butadieneacrylnitrilerubber
31	Attrition plate	Synthetic rubber	127	Pressure plate	Steel plate
32	Discharge coupling	Aluminium alloy casting			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
50	Main cover	Aluminium alloy casting			
52A	Upper bearing	6304ZZC3			
52B	Lower bearing	6306ZZC3			
53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)			
54	Shaft	SUS403 (EN-X6Cr13)			