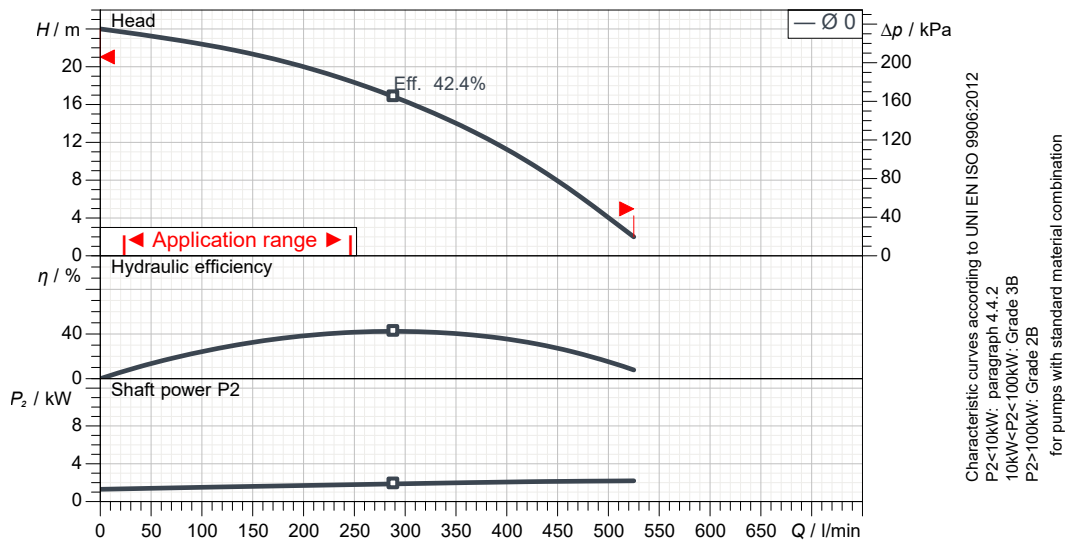


Technical specification

3~ 50 Hz


Pump

Series	KTV
Pump name	KTV2-22 380-415/50
Standard	

Motor data

Motor	TKH-22(4) 380/415-50
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P_2	2.20 kW
Rated current	4.4 A
rpm	2870 1/min
Rated torque	7.3 Nm
Start*	Direct starting

Degree of protection	IP 68
Insulation class	E
Protection device	Circle thermal protector
Type of oil	Turbine oil VG32
Oil amount	0.27

Hydraulic

Free passage	
Impeller type	Vortex impeller
Max. hydraulic efficiency	42.4 %
Discharge	50 mm
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. liquid temperature	40 °C
Max. density treated liquid	1030 kg/m ³
pH treated liquid	5-9
Max. start per hour (equally distributed)	6
Wet/dry use	WET
Operating mode	S1

Construction materials

Motor enclosure	Aluminum Die Casting 12
Shaft	403 Stainless Steel
Pump Casing	BR+NR
Impeller	Ductile Iron Casting 700
Suction Cover	N/A
Suction plate	N/A
Painting	-
Screws	304 Stainless Steel
Gaskets	NBR

Construction features

Power cable1	4C*1.25mm ²
Power cable2	N/A
Sheath	VCT
Control cable	N/A
Sheath	N/A
Cable length*	8
Mechanical seals	H-20T
Weight**	23 kg

* Please inquire about cable extensions
 ** cable's weight not included

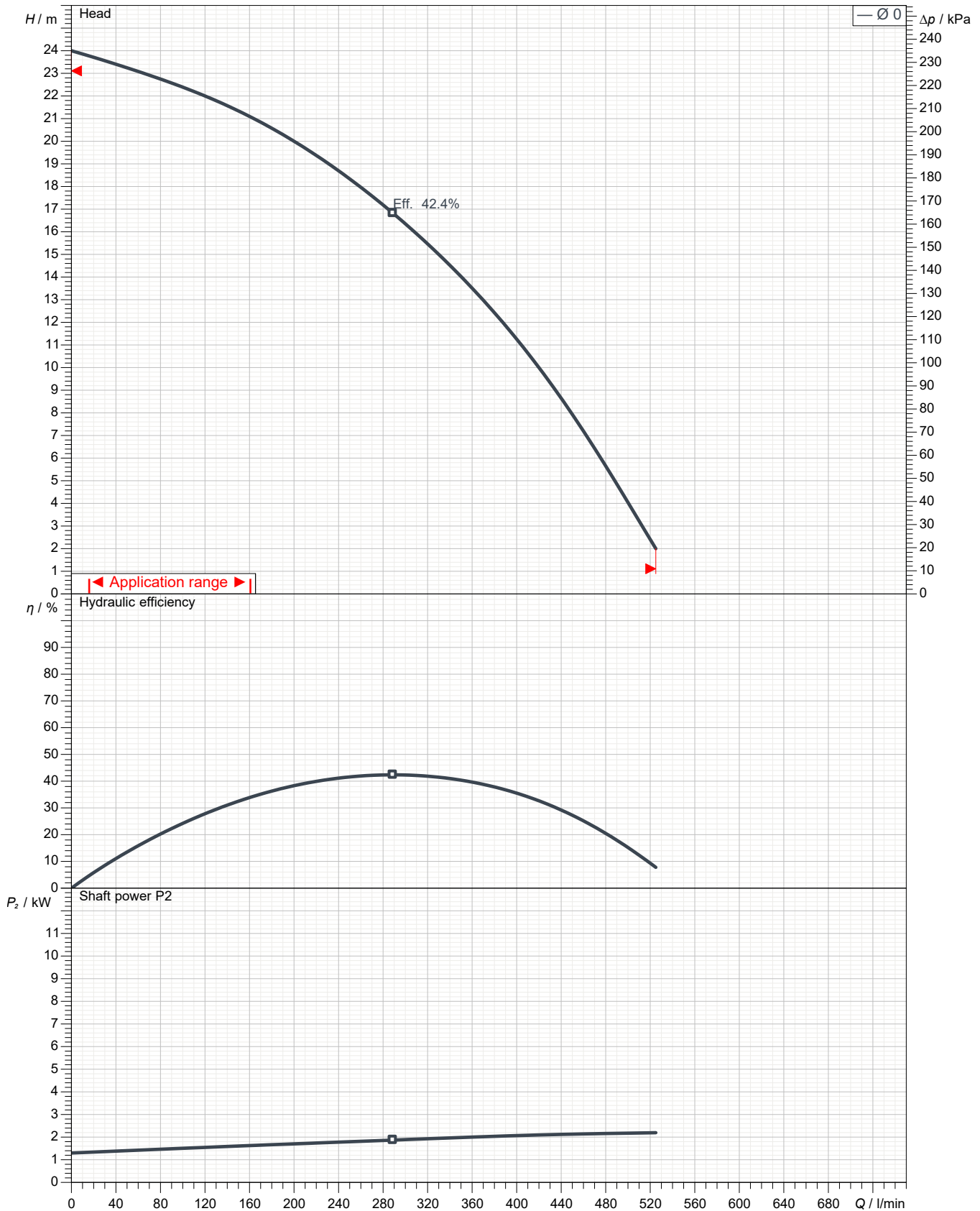
Monitoring features

Monitoring option	
leaking sensor -	
monitoring equipment -	

Pump performance curves

3 ~ 50 Hz

Discharge	Head	Capacity	Rated power	Voltage	Current	rpm
50 mm			2.2 kW	380 V	4.4 A	2870 1/min

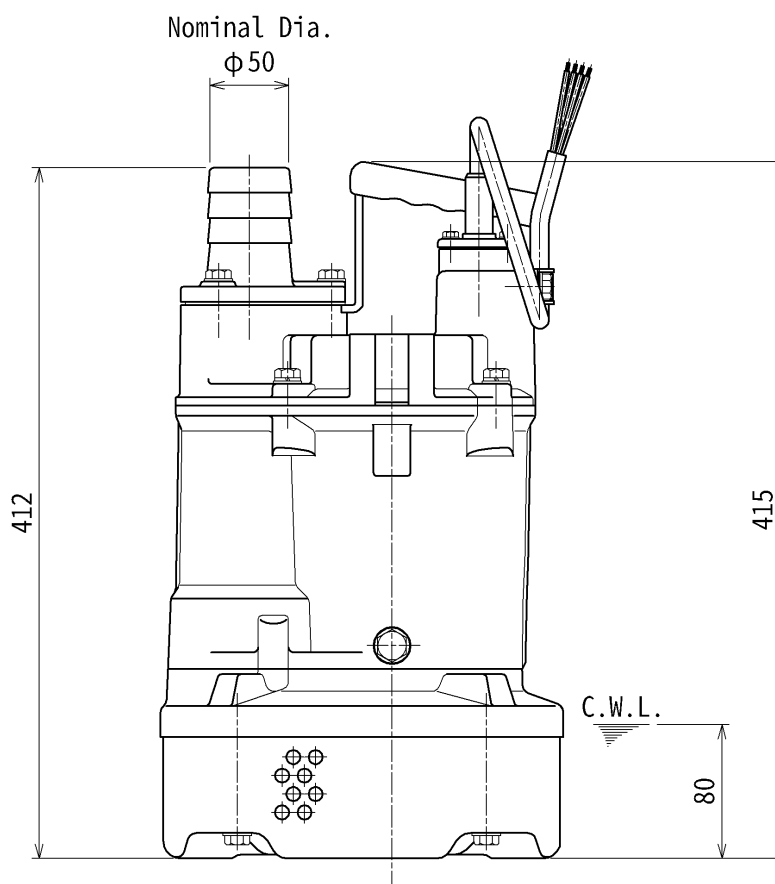
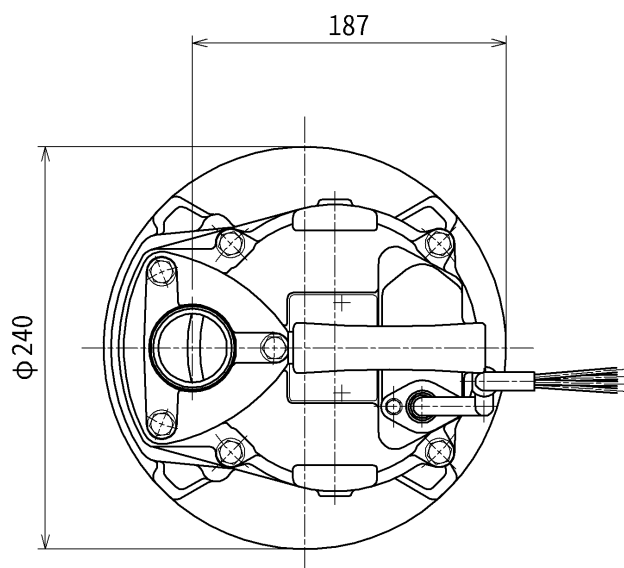


DIMENSION DRAWING		No.		No.	A-22069-2G
TYPE	Submersible Dewatering Pump		MODEL		
			KTV2-22		

Approximate
Weight(※)

23kg

※excluding cable

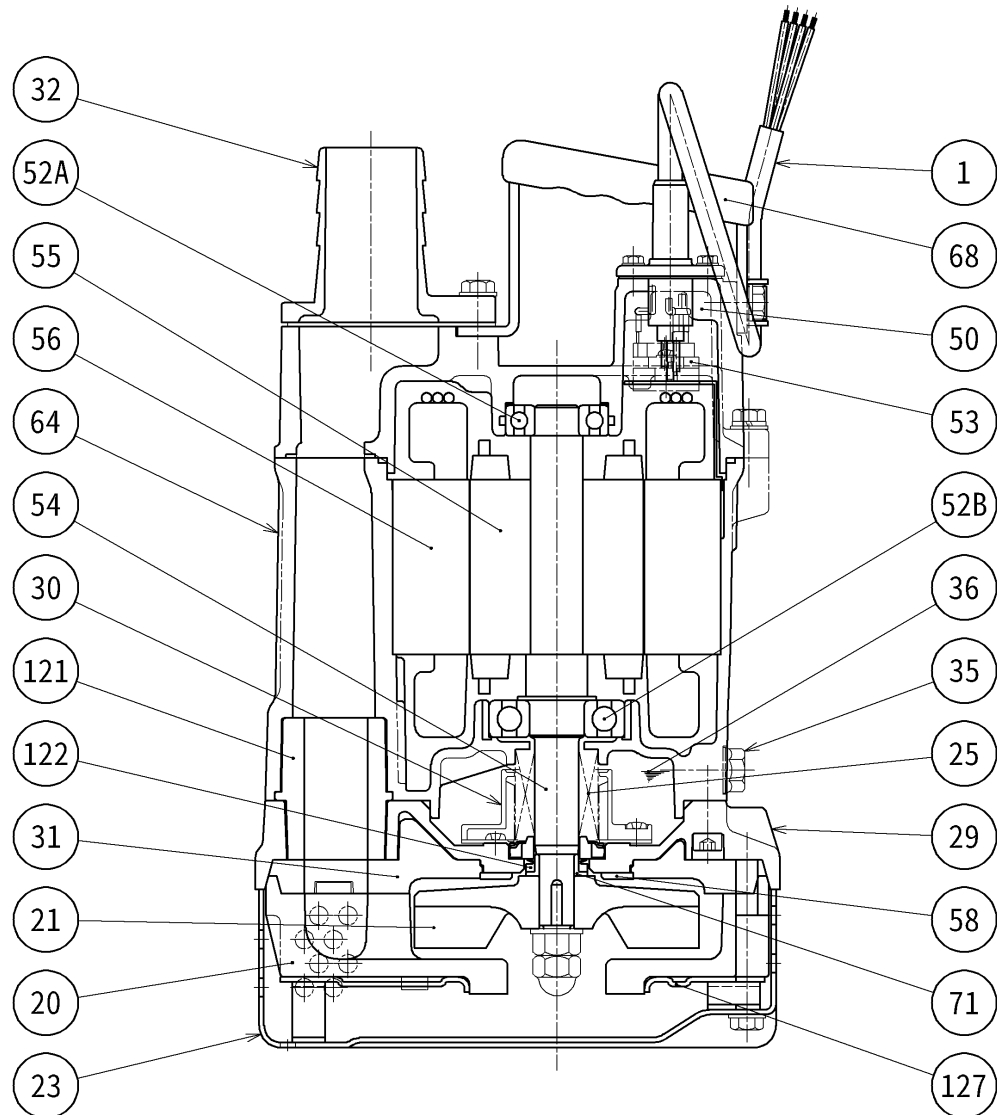


C.W.L.:Continuous running Water Level

TSURUMI MFG. CO., LTD.

unit:mm

SECTIONAL DRAWING		No.		No.	A-22076-3G
TYPE	Submersible Dewatering Pump		MODEL		
			KTV2-22		



REQ. SPECIFICATION

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	1	PVC Sheath	53	Motor Protector	1	
20	Pump Casing	1	Butadiene Rubber + Natural Rubber	54	Shaft	1	403 Stainless Steel
21	Impeller	1	Ductile Iron Casting 700	55	Rotor	1	
23	Strainer Stand	1	Steel Sheet	56	Stator	1	
25	Mechanical Seal	1	H-20T	58	Protection Plate	1	304 Stainless Steel
29	Oil Casing	1	Aluminlum Die Casting 12	64	Motor Frame	1	Aluminium Die Casting 12
30	Oil Lifter	1	Plastic	68	Handle	1	Steel Sheet & Rubber
31	Rear Liner	1	Butadiene Rubber + Natural Rubber	71	Shaft Sleeve	1	304 Stainless Steel
32	Hose Coupling	1	Aluminium Die Casting 12	121	Packing	1	Styrene Butadiene Rubber
35	Oil Plug	1	304 Stainless Steel	122	V-ring	1	Nitrile Butadiene Rubber
36	Lubricant		Turbine Oil(ISO VG32)	127	Fixing Plate	1	Steel Sheet
50	Motor Bracket	1	Aluminium Die Casting 12				
52A	Upper Bearing	1	6204ZZC3				
52B	Lower Bearing	1	6305ZZC3				