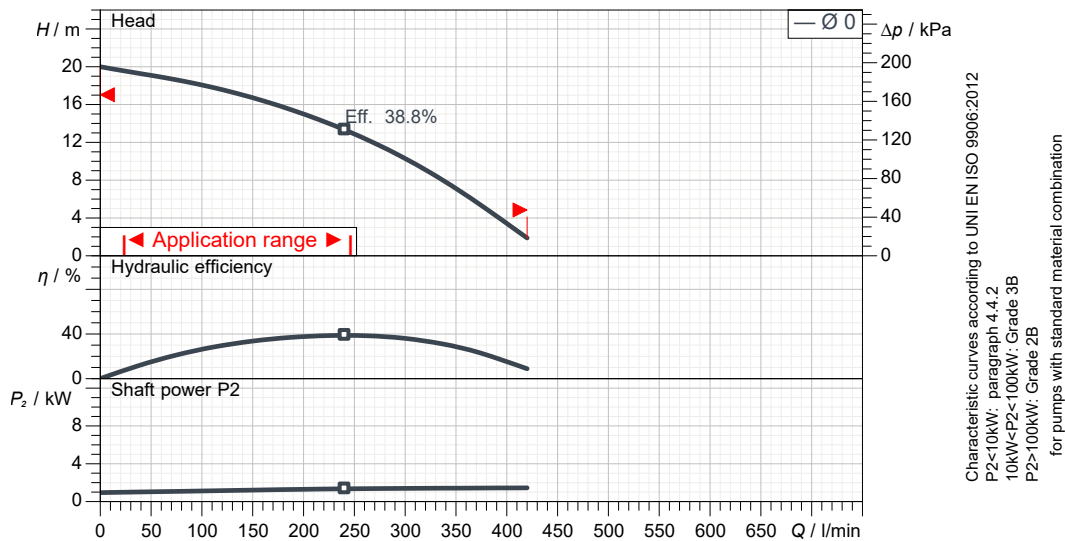


Technical specification

3~ 50 Hz


Pump

Series	KTV
Pump name	KTV2-15 380-415/50
Standard	

Motor data

Motor	TKH-15(4) 380/415-50CEE
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P_2	1.50 kW
Rated current	3.4 A
rpm	2870 1/min
Rated torque	5.0 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	38.8 %
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	Aluminium 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**	21 kg

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

Monitoring features

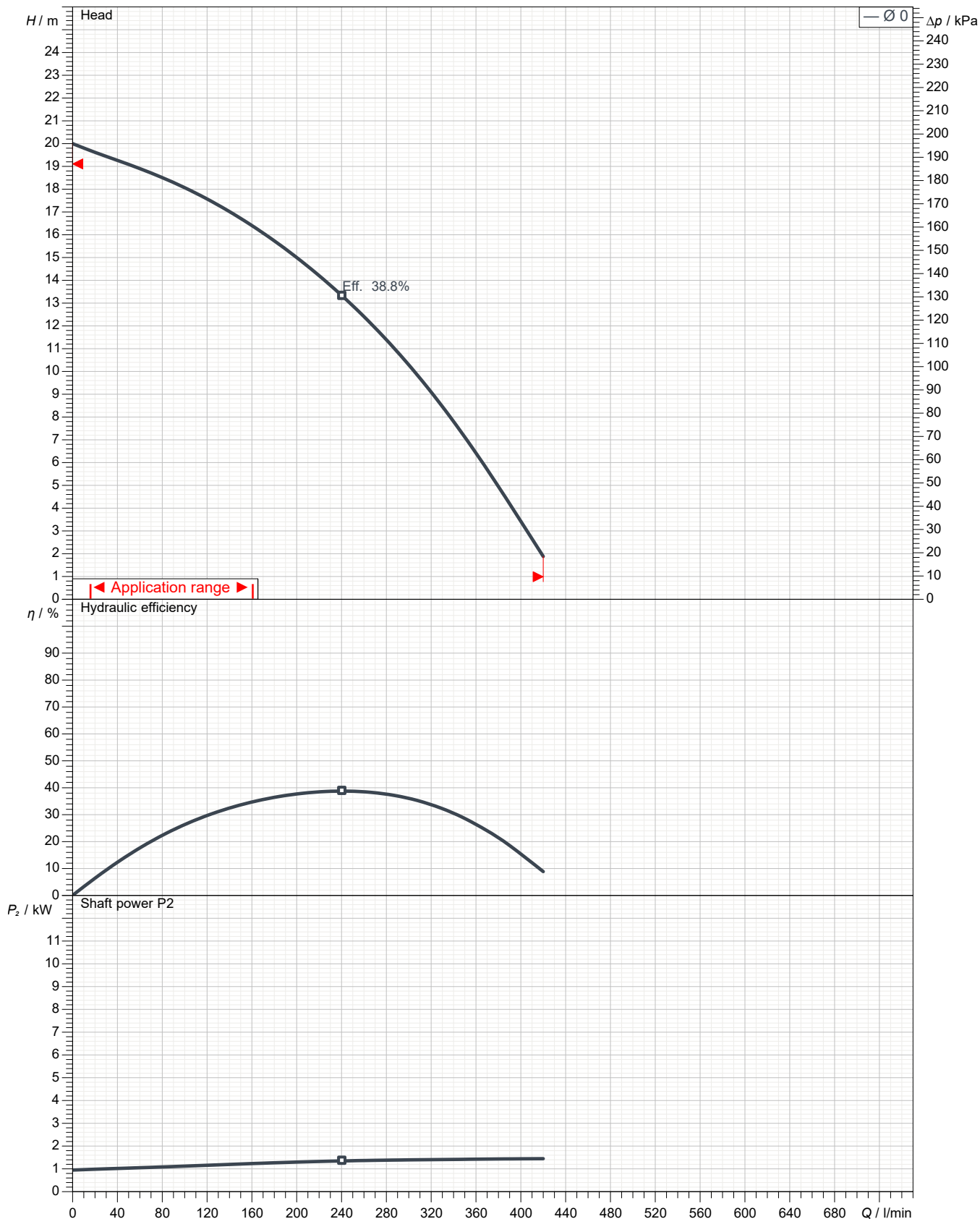
Monitoring option	
leaking sensor -	
monitoring equipment -	

KTV2-15 380-415/50

Pump performance curves

3 ~ 50 Hz

Discharge	Head	Capacity	Rated power	Voltage	Current	rpm
50 mm			1.5 kW	380 V	3.4 A	2870 1/min

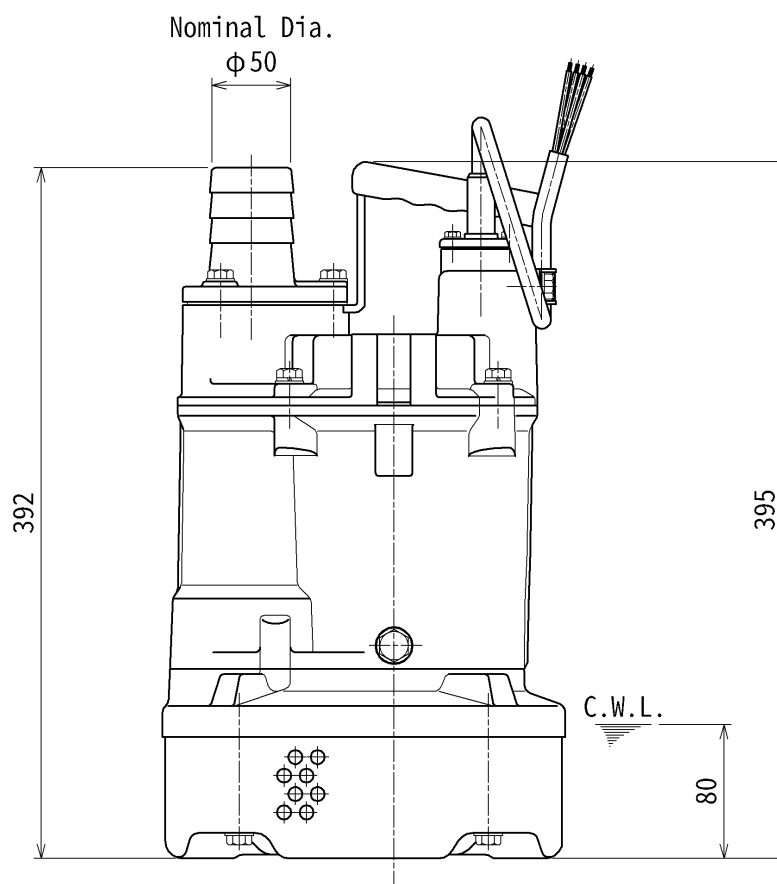
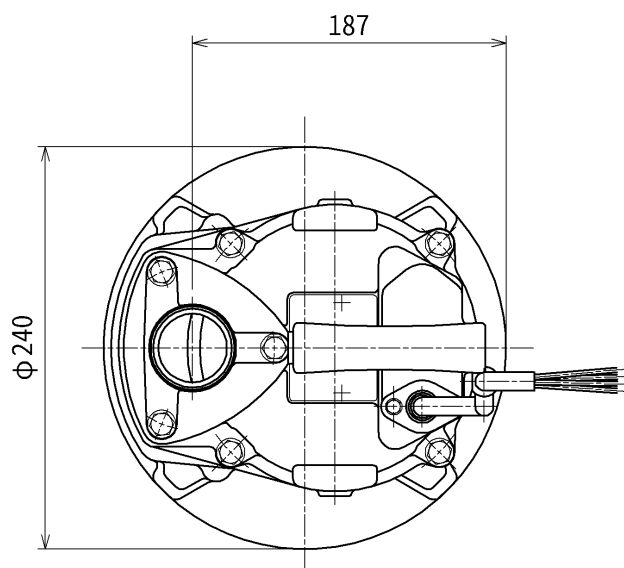


Characteristic curves according to UNI EN ISO 9906:2012 for pumps with standard material combination
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

DIMENSION DRAWING		No.		No.	A-22069-2F
TYPE	Submersible Dewatering Pump		MODEL		
			KTV2-15		

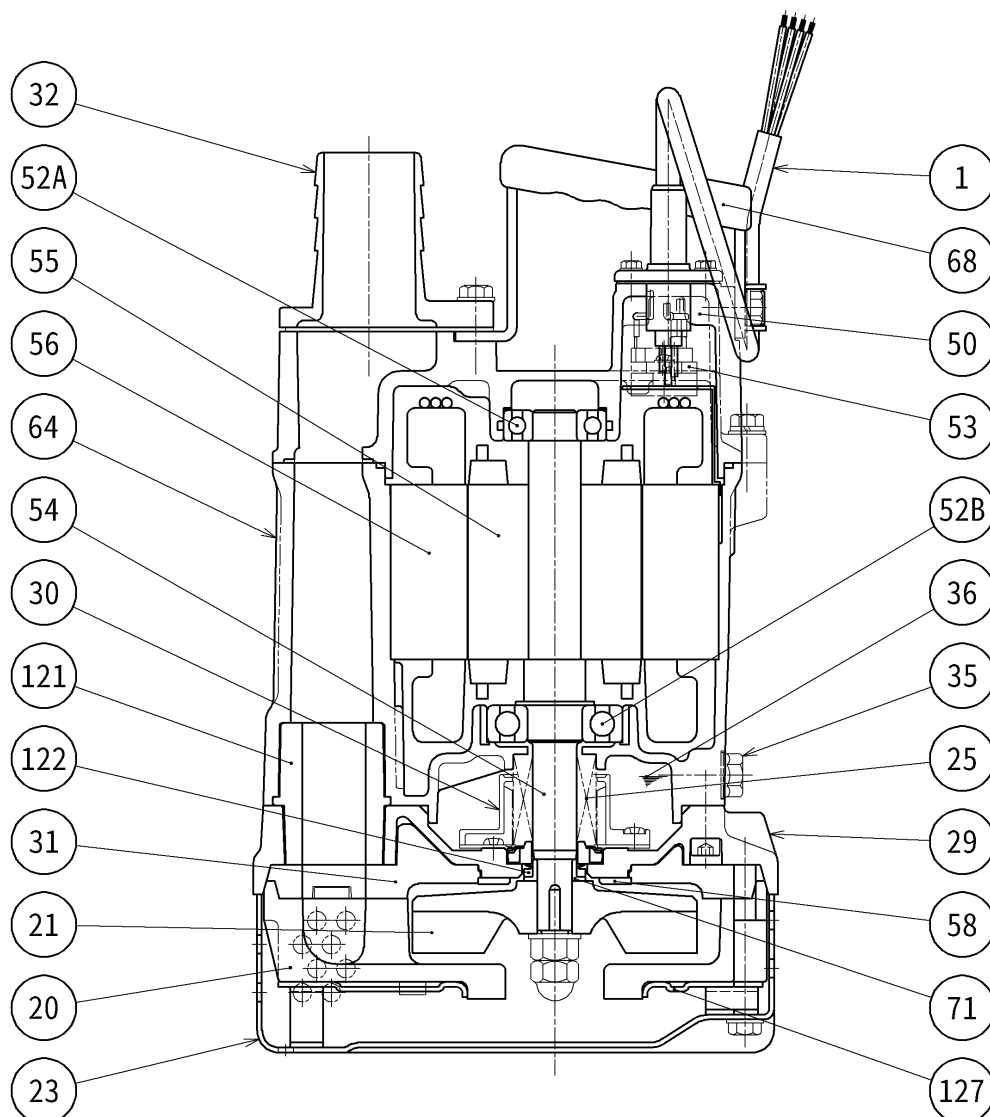
Approximate Weight(※)
21kg

※excluding cable



C.W.L.:Continuous running Water Level

SECTIONAL DRAWING		No.		No.	A-22076-3F
TYPE	Submersible Dewatering Pump		MODEL		
			KTV2-15		



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				