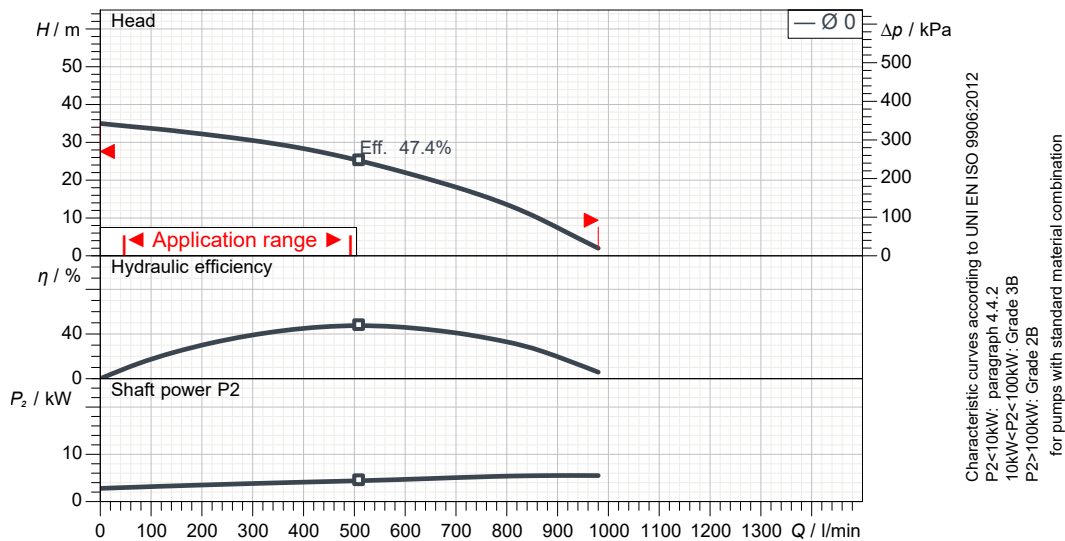


Technical specification

3~ 50 Hz


Pump

Series	KTV
Pump name	KTV3-55 380/50
Standard	

Motor data

Motor	TKH2-55(2) KTV3-55 346/380-50
Rated voltage	380 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P_2	5.50 kW
Rated current	11.6 A
rpm	2870 1/min
Rated torque	18.3 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	0.68

Hydraulic

Free passage	
Impeller type	Vortex impeller
Max. hydraulic efficiency	47.4 %
Discharge	80 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)	4
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*3.5mm ²
Power cable2	N/A
Sheath	2PNCT.F
Control cable	N/A
Sheath	N/A
Cable length*	8
Mechanical seals	H-25T
Weight**	47 kg

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

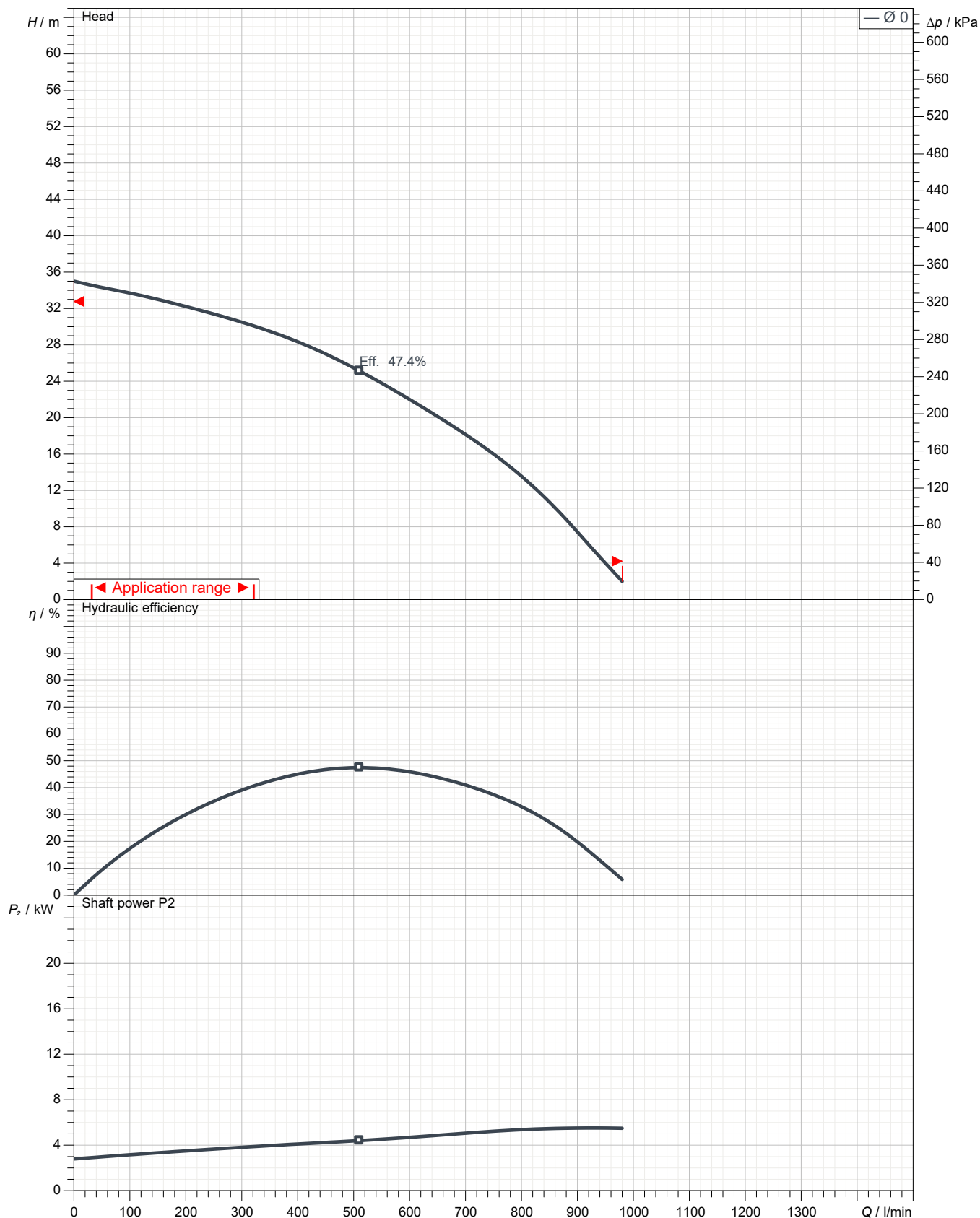
Monitoring features

Monitoring option	
leaking sensor -	
monitoring equipment -	

Pump performance curves

3 ~ 50 Hz

Discharge	Head	Capacity	Rated power	Voltage	Current	rpm
80 mm			5.5 kW	380 V	11.6 A	2870 1/min

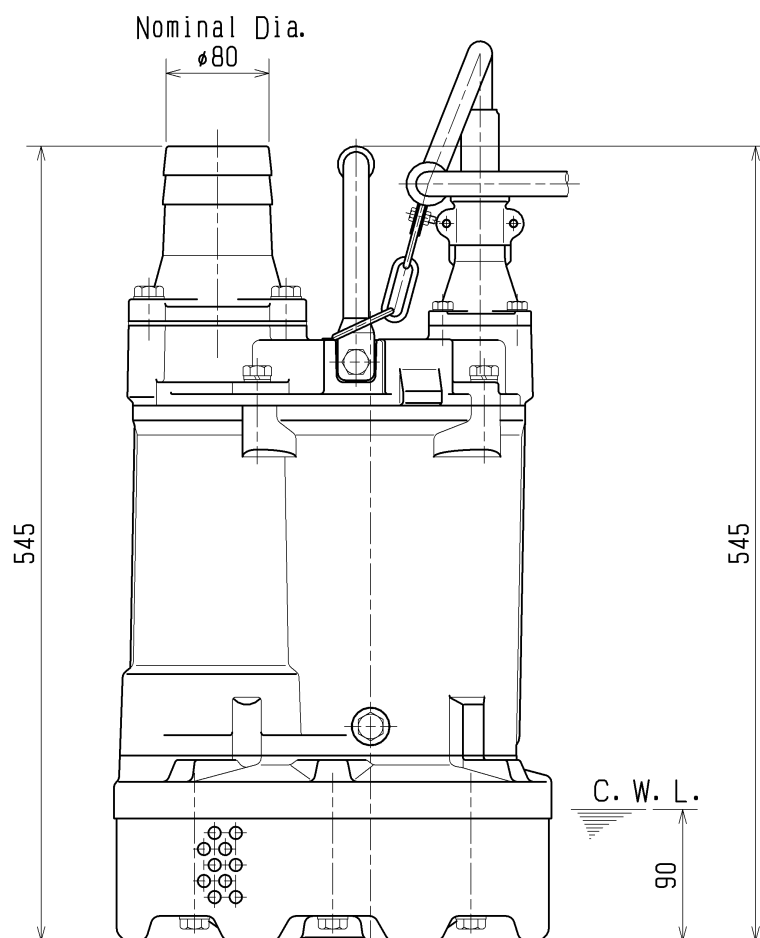
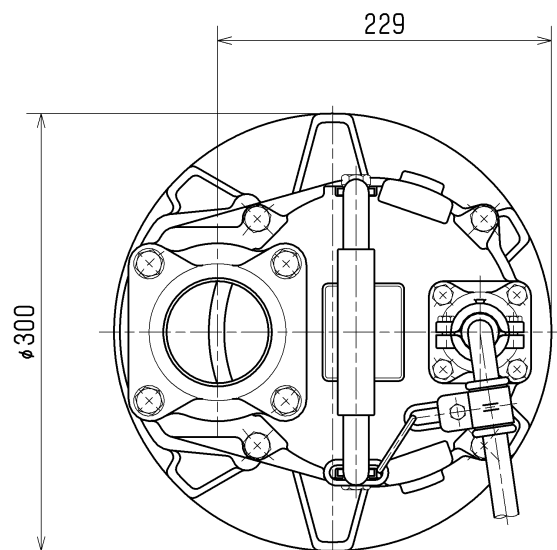


Characteristic curves according to UNI EN ISO 9906:2012 for pumps with standard material combination
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

DIMENSION DRAWING		No.		No.	A-22074-1
TYPE	Submersible Dewatering Pump	MODEL	KTV3-55		

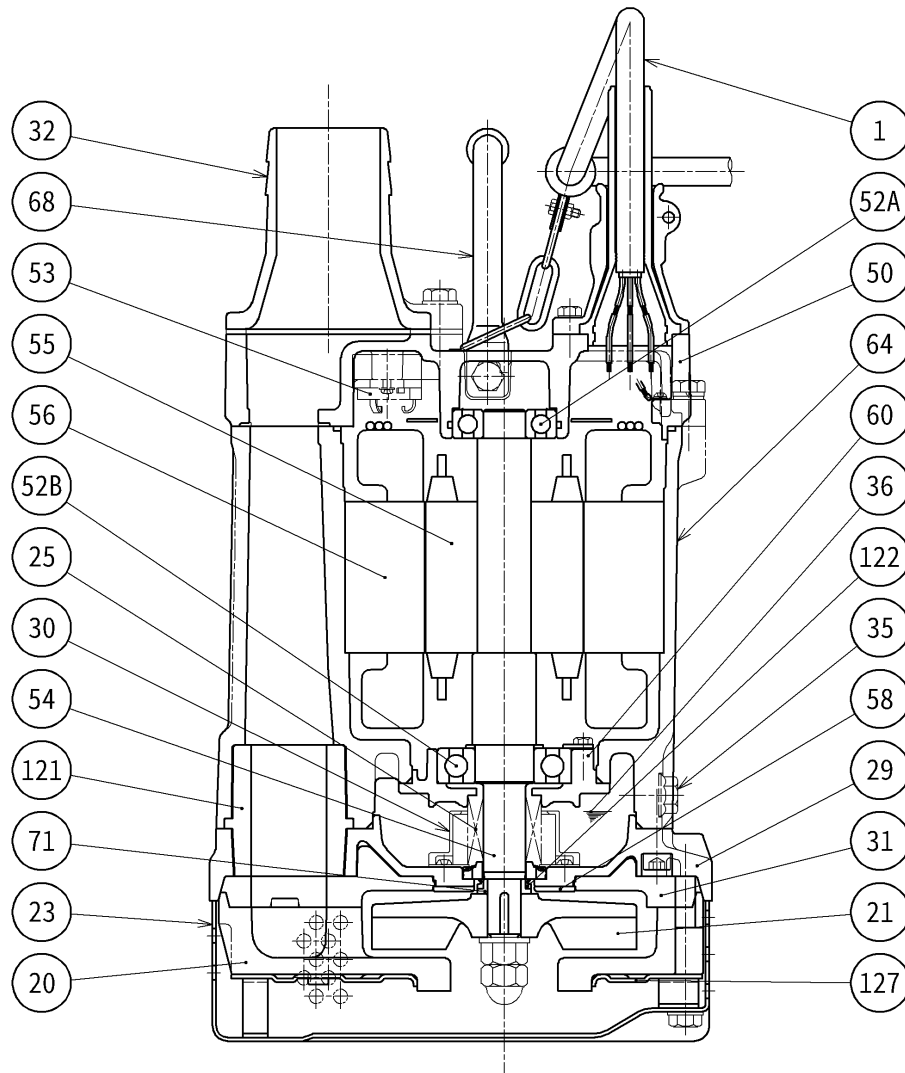
Approximate
Weight (※)
47kg

※excluding cable



C.W.L. :Continuous running Water Level

SECTIONAL DRAWING		No.		No.	A-22081-3
TYPE	Submersible Dewatering Pump		MODEL		
			KTV3-55		



REQ. SPECIFICATION

※ the wetted part

No.	DESCRIPTION	Q'TY	MATERIAL / NOTE	No.	DESCRIPTION	Q'TY	MATERIAL / NOTE
1	Cabtyre Cable	1	Chloroprene 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-25T	58	Protection Plate	1	304 Stainless Steel
29	Oil Casing	1	Aluminium Die Casting 12	60	Bearing Housing	1	Aluminium Die Casting 12
30	Oil Lifter	1	Plastic	64	Motor Frame	1	Aluminium Die Casting 12
31	Rear Liner	1	Butadiene Rubber + Natural Rubber	68	Handle	1	Carbon Steel Pipe & Rubber
32	Hose Coupling	1	Aluminlum Die Casting 12	71	Shaft Sleeve	1	304 Stainless Steel
35	Oil Plug	1	304 Stainless Steel	121	Packing	1	Styrene Butadiene Rubber
36	Lubricant	1	Turbine Oil(ISO VG32)	122	V-ring	1	Nitrile Butadiene Rubber
50	Motor Bracket		Aluminium Die Casting 12	127	Fixing Plate	1	Steel Sheet
52A	Upper Bearing	1	6305ZZC3				
52B	Lower Bearing	1	6307ZZC3				