

**General Data**

Model:	K 220.2.80 H
Code:	2001638
Series:	KAPPA
Weight [Kg]	37.00
Contractor drainage submersible pump	

**Hydraulic**

Impeller Type:	channel impeller
Delivery DN [mm]:	3" Filettata
Input DN [mm]:	-
Free Passage [mm]:	8x22mm
Impeller Ø [mm]:	-
Max Pump Efficiency [%]:	40.20
Global Efficiency [%]:	34.68
Head [m]:	12.01
Flow [m <sup>3</sup> /h]:	27.06

Tolerance according to ISO 9906:2012 3B2

**Features**

Upper Meccanical seal:	CA/CE/Viton
Lower Meccanical Seal:	SIC/SIC/Viton
Upper Bearing:	Single raw ball bearing
Lower Bearing:	Double raw ball bearing
IP Protection:	IP68
Motor protection:	present
Humidity sensor:	not present
ATEX:	not present
Applied Paint:	Cataphoresis
Cable Length [m]:	20
Lubricating Oil:	Q8 WF15
Oil Quantity [Kg]:	0.60

**Materials**

Pump:	Aluminium alloy
Impeller:	Hardened Stainless HRC 55-60
Motor shaft:	Stainless steel AISI 420
Cooling Jacket:	Stainless steel
Screw:	Stainless steel A2-70
Cable:	H07RNF

**Pumped Liquid**

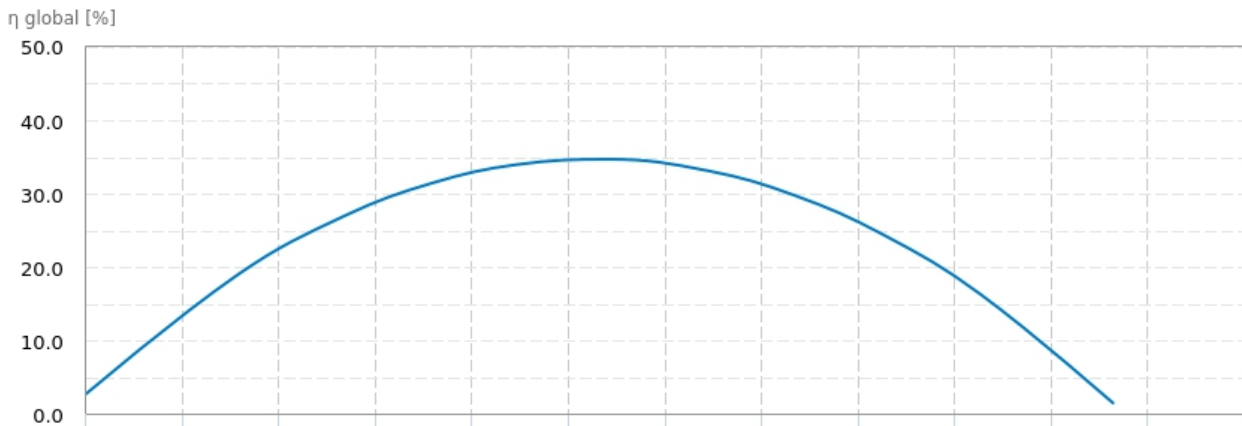
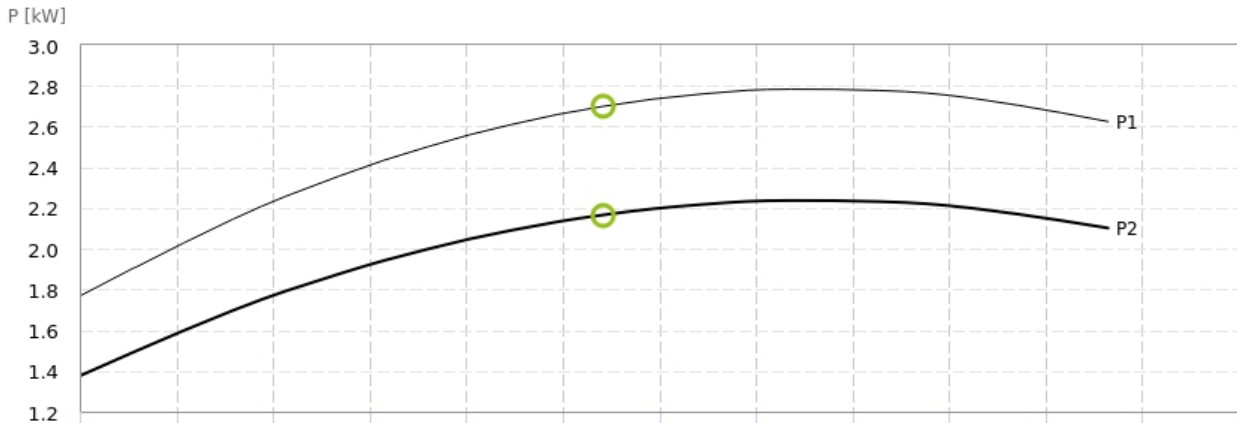
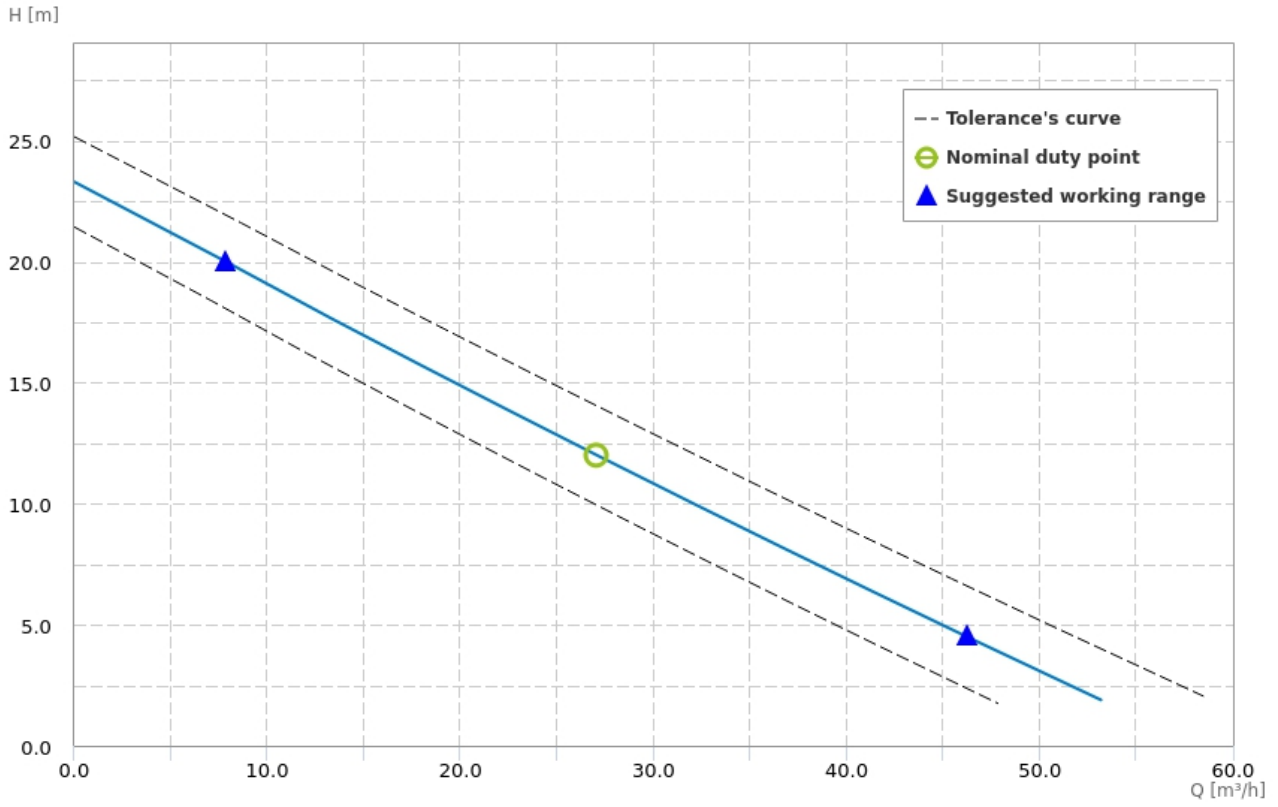
Pumped Liquid:	Liquids with abrasive particles
Density [Kg/dm <sup>3</sup> ]:	1.1
pH:	6-10
Temperature Range:	0-40°C

**Installation**

Maximum depth of immersion [m]:	20
Cooling Type:	Cooling Jacket
Installation:	Vertical
Floating on board machine:	not present



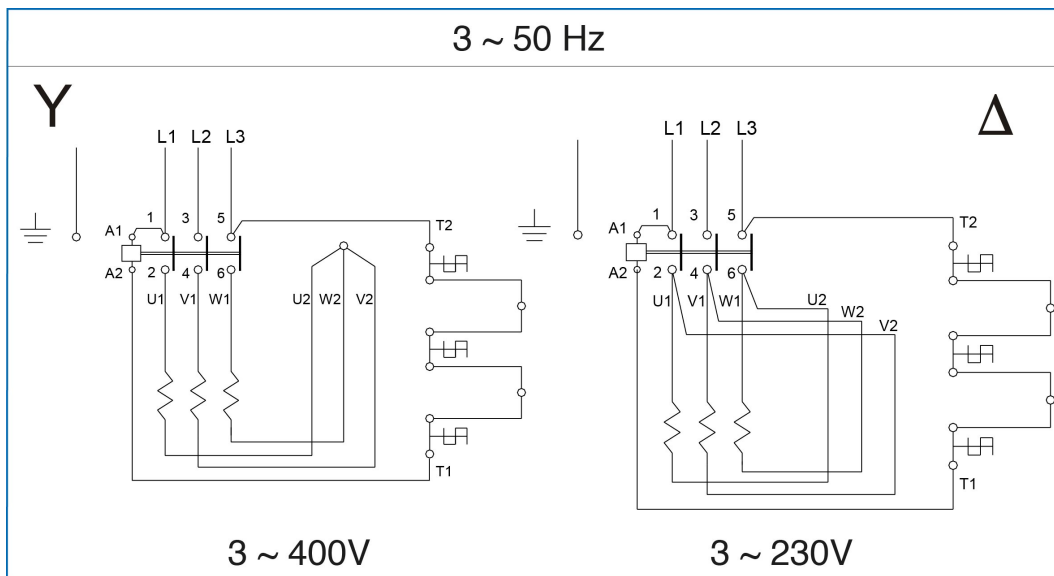
Attention: pictures for illustrative purposes



**Motor**

Motor code:	3520600210
Power P1 [kW]:	2.80
Power P2 [kW]:	2.20
Phases:	3
Frequency [Hz]:	50
Tension [V]:	400
Nominal current [A]:	5.5
Starting current [%]:	579.0
Power Factor:	0.85
R.P.M.:	2850
Starting:	D.O.L
Capacitor [ $\mu$ F]:	-
Insulation Class:	F 155°C
Service type:	S2
Max Efficiency [%]:	84.00
Max Efficiency at full load [%]:	89.6
Efficiency at $\frac{3}{4}$ load [%]:	89.2
Efficiency at $\frac{1}{2}$ load [%]:	89.4
Efficiency class:	IE2

**Wiring diagrams**



Dimensions drawing

