

General Data

| | |
|--------------------------------------|--------------|
| Model: | K920.2.100 C |
| Code: | 2001620 |
| Series: | KAPPA |
| Weight [Kg] | 70.00 |
| Contractor drainage submersible pump | |

Hydraulic

| | |
|---------------------------|------------------|
| Impeller Type: | channel impeller |
| Delivery DN [mm]: | 4" Filettata |
| Input DN [mm]: | - |
| Free Passage [mm]: | 8x22mm |
| Impeller Ø [mm]: | 191 |
| Max Pump Efficiency [%]: | 61.60 |
| Global Efficiency [%]: | 46.58 |
| Head [m]: | 13.91 |
| Flow [m ³ /h]: | 112.32 |

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

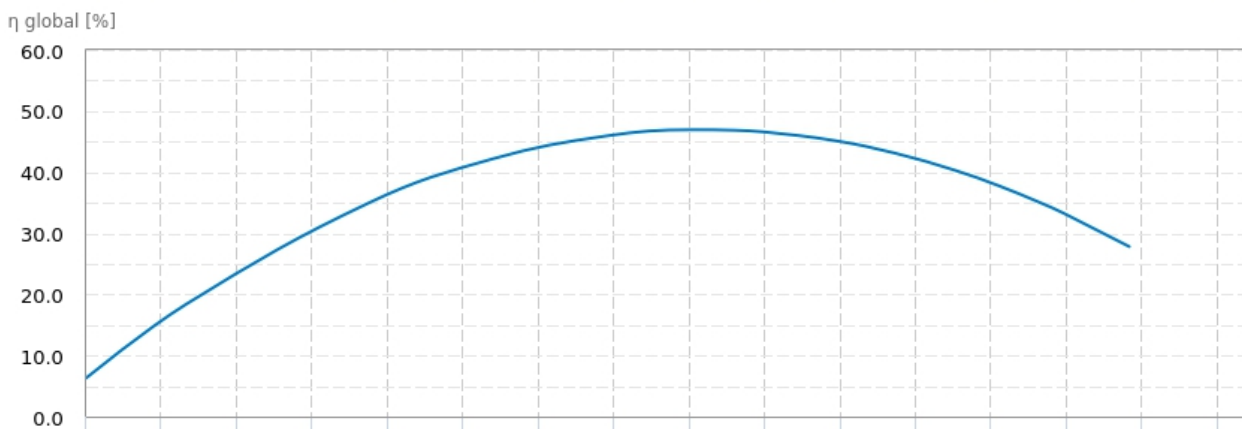
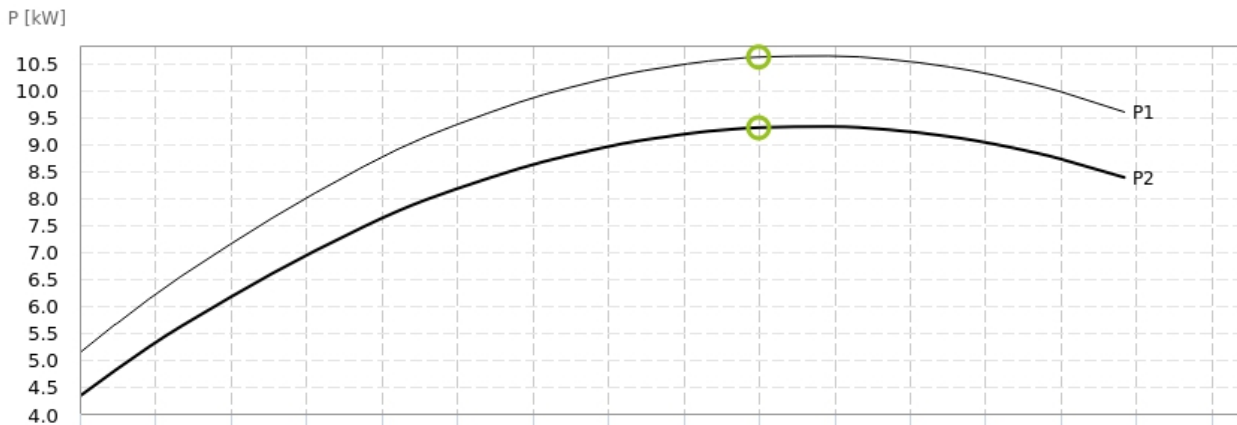
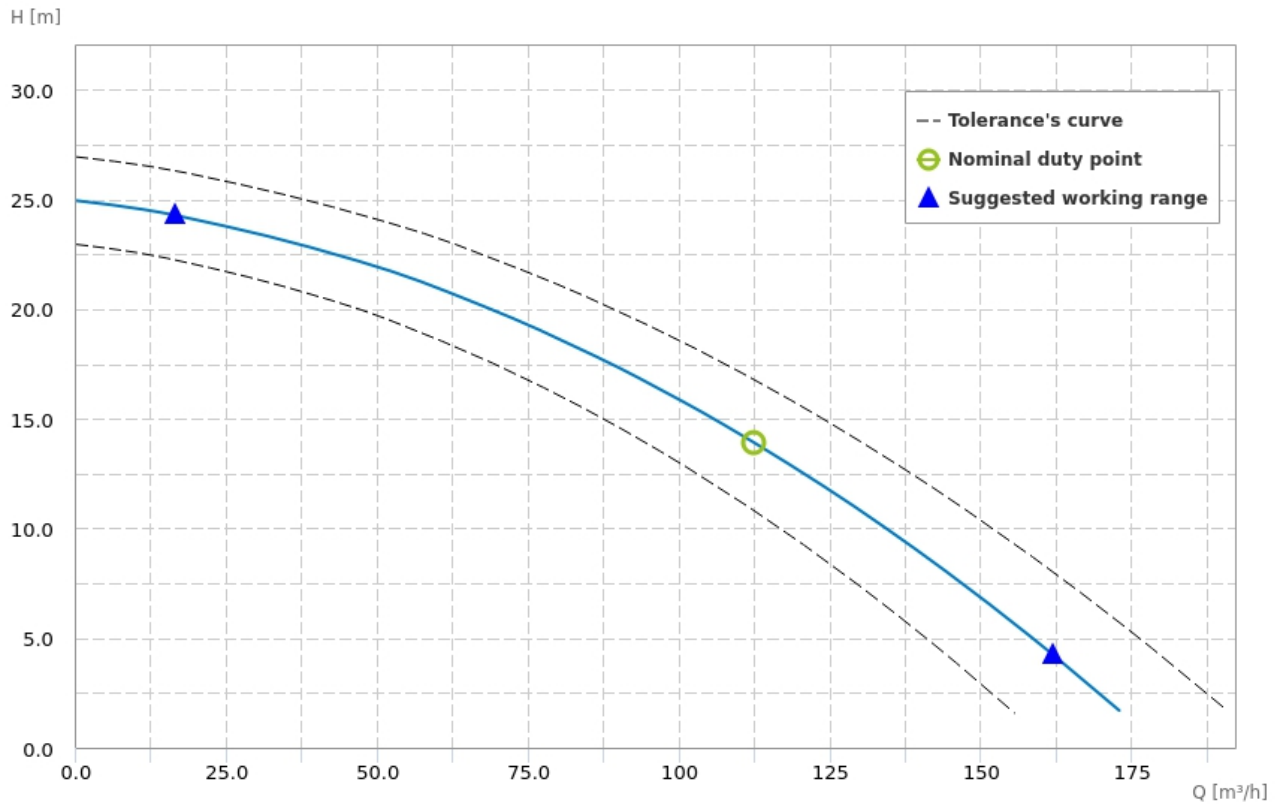
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|--------------------------------|---------------------------------|
| Pumped Liquid: | Liquids with abrasive particles |
| Density [Kg/dm ³]: | 1.1 |
| pH: | 6-10 |
| Temperature Range: | 0-40°C |

Installation

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



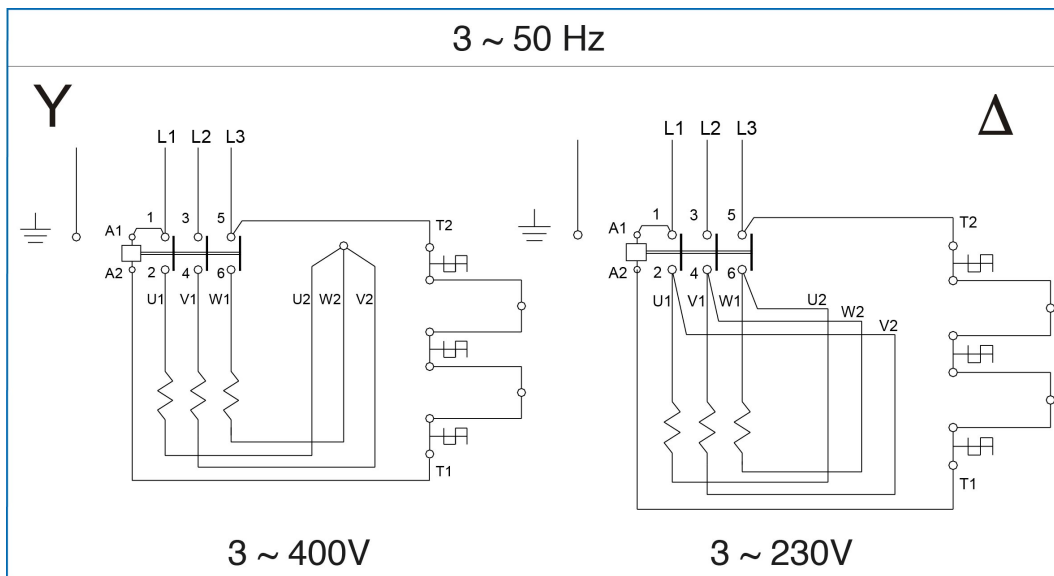
Attention: pictures for illustrative purposes



Motor

| | |
|----------------------------------|------------|
| Motor code: | 3520920212 |
| Power P1 [kW]: | 9.60 |
| Power P2 [kW]: | 9.20 |
| Phases: | 3 |
| Frequency [Hz]: | 50 |
| Tension [V]: | 400 |
| Nominal current [A]: | 18.5 |
| Starting current [%]: | .0 |
| Power Factor: | 0.80 |
| R.P.M.: | 2900 |
| Starting: | D.O.L |
| Capacitor [μF]: | - |
| Insulation Class: | F 155°C |
| Service type: | S1 |
| Max Efficiency [%]: | 89.60 |
| Max Efficiency at full load [%]: | 89.6 |
| Efficiency at ¾ load [%]: | 89.2 |
| Efficiency at ½ load [%]: | 89.4 |
| Efficiency class: | IE2 |

Wiring diagrams



Dimensions drawing

