# Technical data

**Pump name** RIGHT 100 M

| | | |
|---|---|---|
| Customer | Date 14-May-2020 | Company |
| Contact | Item no. | Issued by |
| Phone | Project | Phone |
| E-mail | Project ID | E-mail |

**Requested data**

| | | | | | |
|---|---|---|---|---|---|
| 1 | Pump type | SUBMERSIBLE SEWAGE PUMPS | Fluid | | Water, clean |
| 2 | Number of pumps / Reserve | 1 / 0 | Liquid temperature | K | 293 |
| 3 | Flow l/min | 0 | Kin. viscosity | mm²/s | 1 |
| 4 | Head m | 0 | Vapour pressure | kPa | 2.2 |
| 5 | Geodetic head m | 0 | PH value | | 7 |
| 6 | Inlet pressure (pin) kPa | 10 | Density | kg/m³ | 1000 |
| 7 | Available system NPSH | 0 | Solids | Weight % | 0 |
| 8 | Ambient temperature K | 290 | | | |

**Pump**

| | | | | | | |
|---|---|---|---|---|---|---|
| 9 | Pump name | RIGHT 100 M | Frequency | | Hz | 50 |
| 10 | Design | SUBMERSIBLE SEWAGE PUMPS | Installation type | | | STANDARD |
| 11 | Manufacturer | EPE | Impeller Diameter | Max. | mm | 100 |
| 12 | Speed 1/min | 2875 | | Designed | mm | 100 |
| 13 | No. of Stage | 1 | | Min. | mm | 100 |
| 14 | Connection Suction side | UNI ISO 228 | Flow | Operating | l/min | |
| 15 | Connection Discharge side | UNI ISO 228 | | Max- | l/min | 300 |
| 16 | Max Working Pressure kPa | | | Min- | l/min | 40 |
| 17 | Shut-off head kPa | 102.77 | Head | Operating | m | |
| 18 | Total weight kg | See the table of "Dimensions". | | - (Qmax.) | m | 2.0 |
| 19 | Shaft power kW | | | - (Qmin.) | m | 9.5 |
| 20 | | | Max. Shaft Power at max. impeller | | kW | |
| 21 | Required pump NPSH m | | Efficiency | | % | |

**Materials**

| | | | | |
|---|---|---|---|---|
| 22 | Impeller | AISI 304 | | |
| 23 | Casing | AISI 304 | | |
| 24 | Shaft | AISI 303 (wet extension) | | |
| 25 | | | | |
| 26 | | | | |
| 27 | | | | |

**Motor**

| | | | | | |
|---|---|---|---|---|---|
| 28 | Manufacturer | EPE Standard | Insulation class | | F |
| 29 | Type | RIGHT 100 M_230_Single Phase | Phases | | 1~ |
| 30 | Specific design | Submersible dry type / 50 Hz / Pole pairs 1 | Frame size | | |
| 31 | Rated power kW | 0.75 | Weight | kg | 0 |
| 32 | Number of poles | 2 | Electric voltage | V | 230 |
| 33 | Speed 1/min | 2875 | Electric current | A | 5.7 |
| 34 | Degree of protection | IP X8 | | | |
| 35 | | | | | |

**Remarks**

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# Performance curve **Pump name** RIGHT 100 M

| | | |
|---|---|---|
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| E-mail | Project ID | E-mail |

**Requested data**

| | | | |
|---|---|---|---|
| 1 | Flow | l/min | 0 |
| 2 | Head | m | 0 |
| 3 | Geodetic head | m | 0 |

**Pump**

| | | | | | |
|---|---|---|---|---|---|
| Operating Flow | l/min | | Frequency | Hz | 50 |
| Operating Head | m | | Number of poles | | 2 |
| Impeller Diameter | Designed mm | 100 | Speed | 1/min | |

Test standard: ISO 9906:2012 - Grade3B

Water, clean [100%] ; 293K; 998.3kg/m³; 1mm²/s

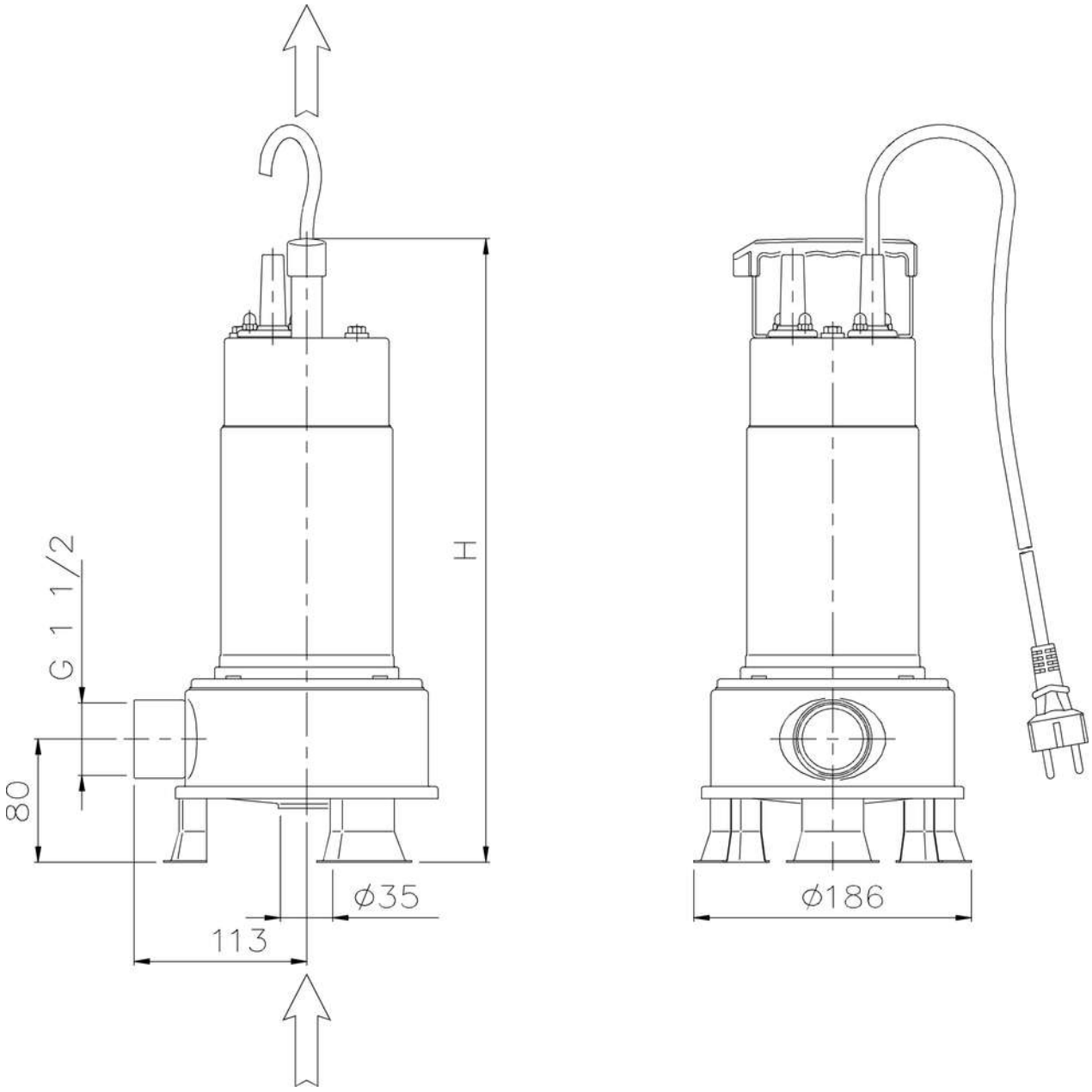



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# Dimensions

**Pump name** RIGHT 100 M

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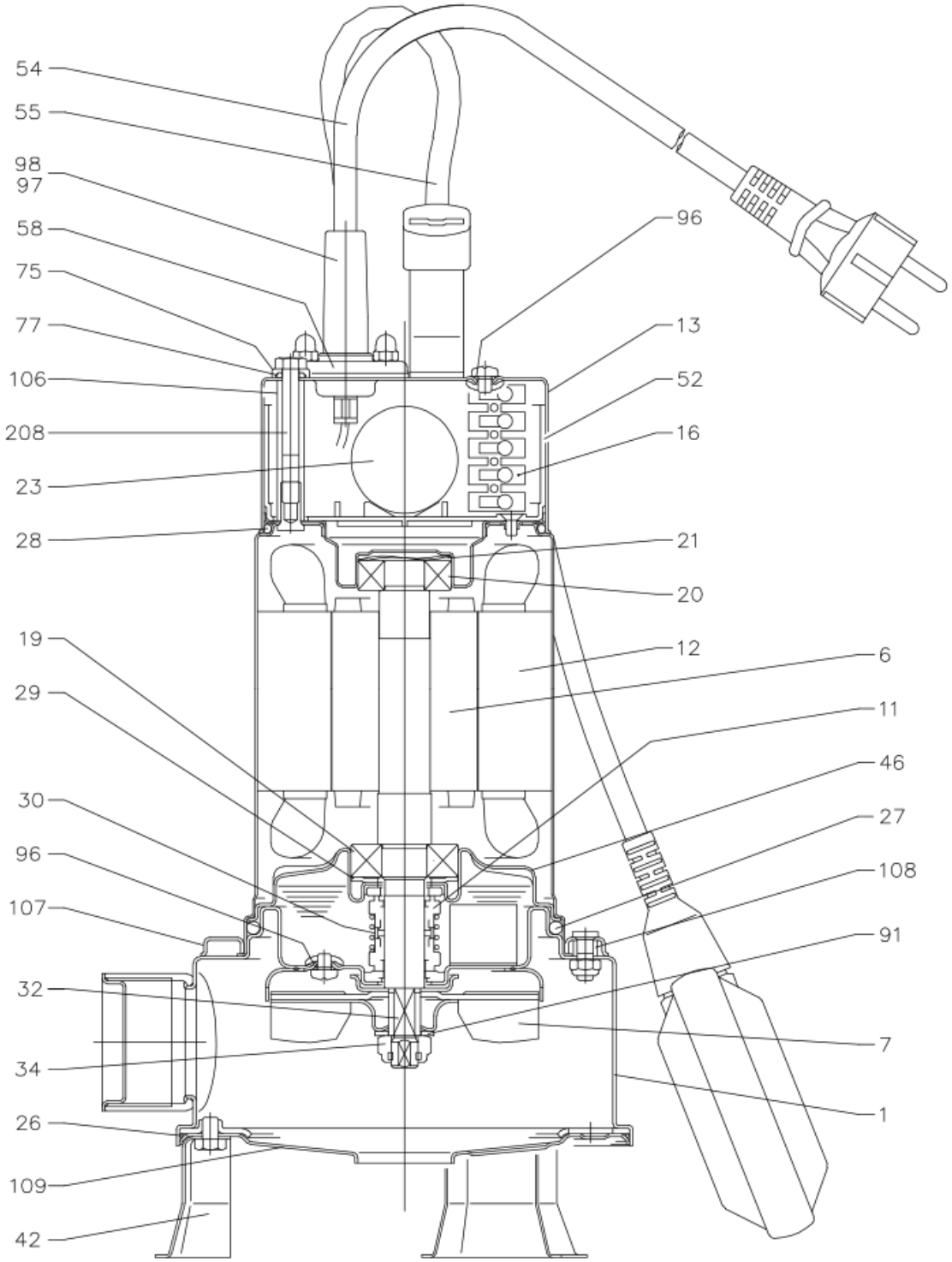

| Dimensions in mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | H | 430 | | | | | | |
| 2 | Weight PUMP | 11.5 kg | | | | | | |

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# (1/3)
# Construction

**Pump name** RIGHT 100 M

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|---|---|---|
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# (2/3)
# Construction

**Pump name** RIGHT 100 M

| | | |
|---|---|---|
| Customer | Date 14-May-2020 | Company |
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| Phone | Project | Phone |
| E-mail | Project ID | E-mail |

| N° | PART NAME | MATERIAL | Q.TY |
|---|---|---|---|
| 1 | Casing | AISI 304 | 1 |
| 6 | Shaft with rotor | AISI 303 | 1 |
| 7 | Impeller | AISI 304 | 1 |
| 11 | Mechanical seal [3] | Ceramic/Carbon/NBR | 1 |
| 12 | Motor frame with stator | - | 1 |
| 13 | Cover | AISI 304 | 1 |
| 16 | Terminal | - | 4 |
| 19 | Lower ball bearing | - | 1 |
| 20 | Upper ball bearing | - | 1 |
| 21 | Adjusting washer | AISI 304 | 1 |
| 23 | Capacitor [2] | - | 1 |
| 26 | "O" Ring | NBR | 1 |
| 27 | O Ring | NBR | 1 |
| 28 | O Ring | NBR | 1 |
| 29 | Washer | AISI 304 | 1 |
| 30 | Mechanical seal spacer | Brass | 1 |
| 32 | Key | AISI 304 | 1 |
| 34 | Nut | AISI 303 | 1 |
| 42 | Foot | AISI 304 | 3 |
| 46 | Lower bearing bracket | AISI 304 | 1 |
| 52 | Capacitor box | PA66 glass fibre reinforced class V-0 | 1 |
| 54 | Submersible power cable | - | 1 |
| 55 | Float switch [1] | - | 1 |
| 58 | Cable gland | AISI 304 | 1 |
| 75 | Washer | AISI 304 | 3 |
| 77 | O Ring | NBR | 3 |
| 91 | Washer | AISI 304 | 1 |
| 96 | O Ring | NBR | 2 |
| 97 | Cable connector | NBR | 1 |
| 98 | Cable connector [1] | NBR | 1 |
| 106 | Spacer | AISI 304 | 3 |
| 107 | Stopper ring | AISI 304 | 1 |
| 108 | Gasket | NBR | 1 |
| 109 | Suction cover | AISI 304 | 1 |
| 208 | Screw | AISI 304 | 3 |

[1] Only for single phase version with float switch

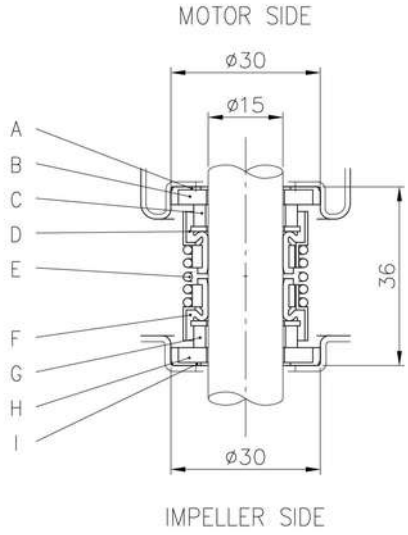
[2] Only for single phase version

[3] See **CONSTRUCTION 3**

# (3/3)
# Construction

**Pump name** RIGHT 100 M

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| E-mail | Project ID | E-mail |




| REF | PART NAME | MATERIAL |
|---|---|---|
| A | Rubber cup | NBR |
| B | Seat | Ceramic |
| C | Seal face | Carbon |
| D | Bellow | NBR |
| E | Spring | AISI 304 |
| F | Bellow | NBR |
| G | Seal face | Silicon carbide |
| H | Seat | Silicon carbide |
| I | Rubber cup | NBR |