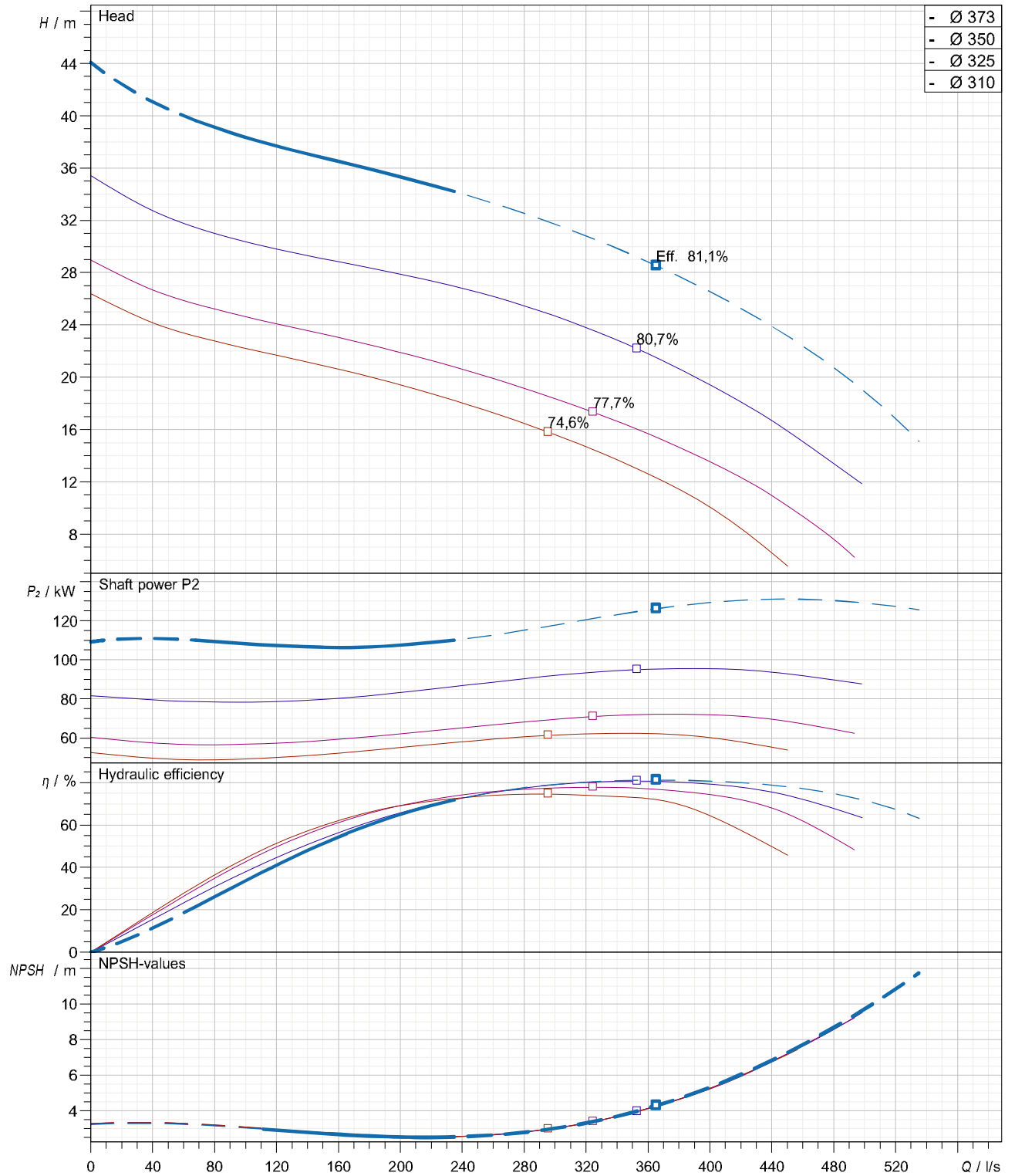


data referred to : Water; 20°C; 998,3kg/m<sup>3</sup>; 1,001mm<sup>2</sup>/s

Tolerances acc. ISO 9906 Grade 2B



Curves are approximate, pump is guaranteed for one set of conditions (capacity, head, efficiency).

Submersible, centrifugal, non-clogging sewage pump PX4-300.0-4 CHANNEL 1 capable of handling raw,unscreened sewage.

The pumps manufactured within European Union with the latest manufacturing and environmental standards and practical standard features as :

- Dual channel impeller made in ductile iron GGG40 are of non clogging design
- Channel and vortex impellers can be accommodated in the same volute. This advance together with possibility to be trimmed allow to meet changing duties.
- Wear rings with 'reducer' clearances system allow to be re-positioned axially in order to reduce the clearances between the channel impeller and volute.
- Fast lock connection system latch bolts made in stainless steel for easy removal of the motor together with impeller from the volute.

Submersible motor type M4.2C - 110 IE2 can be capable of operating continuously in submerged for wet installation. Cooling jacket with Internal cooling system is available as option.

-Electrical motor PXFLOW -SIEMENS premium efficiency IE3 have Class H insulation (rated for 180 degrees Celsius) as standard

-Separate sealed terminal connection area

-Rotor shaft oversized made in stainless steel and oversized ball bearings ensuring smooth and vibration free running with extended life time as result.

-Shaft sealing system consist of double mechanical seals built into a replaceable cartridge facilitate quick changes even on-site without special tools.

Motor protections :

- Three thermal overload switches, one per phase, internally wound to combat high temperature loads.
- Built-in moisture sensors to terminal connection area (upper motor side), inside the motor (lower side) and in oil chamber

Materials

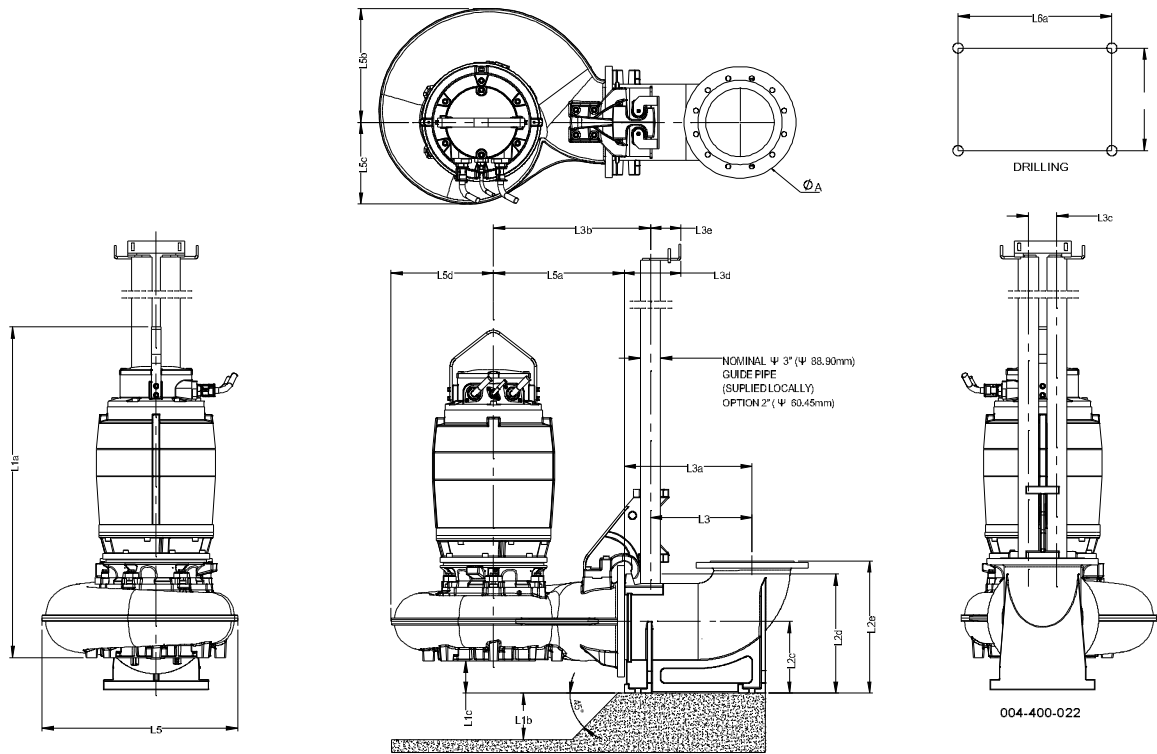
PX4-300.0-4 CHANNEL 1( Dual channel impeller)+110 kW

- Motor housing, volute :cast iron GG -25
- Impeller : ductile iron GGG40
- Shaft, cartridge sleeve :stainless steel 431
- Shaft seal:Media side sic/sic  
Cooling side sic/sic
- Bearings:upper:single row deep groove ball bearing  
lower: double angular contact ball bearing

wet pit installation accessories set (on request)

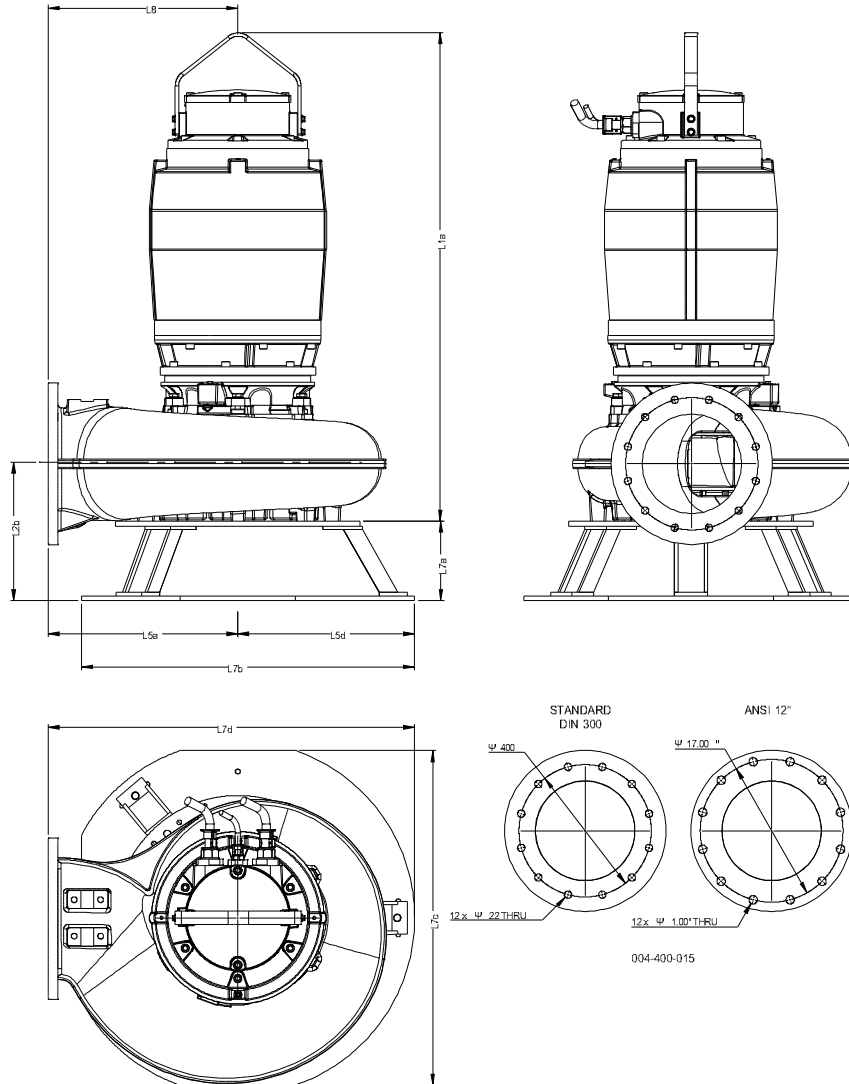
- Discharge connection bracket (DCB):cast iron GG -25 ( standard) or stainless steel (option)
- adapter : ductile iron GGG40 (standard) or stainless steel (option)
- Upper guide bracket (UGB):galvanize steel (standard) or stainless steel (option)

**PX4-300.0-4 CHANNEL 1 With motor M4.2C-110 IE2**



| Dimensions |       | Dimensions |       |  |  |
|------------|-------|------------|-------|--|--|
| Name       | Value | Name       | Value |  |  |
| L1a        | 1477  | L5         | 860   | For Discharge connection bracket :                                   |  |
| L1b        | 204   | L5a        | 574   | Outlet flange - Standard : DN300 / PN10- Option :12" ANSI class 125  |  |
| L1c        | 141   | L5b        | 501   | For pump :   |  |
| L2c        | 315   | L5c        | 359   | Outlet flange - Standard : DN300 / PN10- Option :12" ANSI class 125  |  |
| L2d        | 522,5 | L5d        | 450   | Suction flange - Standard : DN300 / PN10- Option :12" ANSI class 125 |  |
| L2e        | 580   | L6a        | 500   | Weight of Pump with cooling jacket = 1090 kg                         |  |
| L3         | 446   | L6b        | 330   | ( without cooling jacket : - 102 kg )                                |  |
| L3a        | 561   |            |       | Weight of Adapter = 33 kg  |  |
| L3b        | 691   |            |       | Weight of Discharge connection bracket (DCB) 300 = 186 kg            |  |
| L3c        | 125   |            |       |  |  |
| L3d        | 248   |            |       |  |  |
| L3e        | 133   |            |       |  |  |

**PX4-300.0-4 CHANNEL 1 With motor M4.2C-110 IE2**



| Dimensions |      | Dimensions |    |
|------------|------|------------|----|
| Name       | mm   | Name       | mm |
| L1a        | 1477 |            |    |
| L2b        | 419  |            |    |
| L5a        | 473  |            |    |
| L5d        | 535  |            |    |
| L7a        | 240  |            |    |
| L7b        | 1008 |            |    |
| L7c        | 1012 |            |    |
| L7d        | 1108 |            |    |
| L8         | 574  |            |    |

Outlet for hose - Option : " 300mm (12")

For pump :

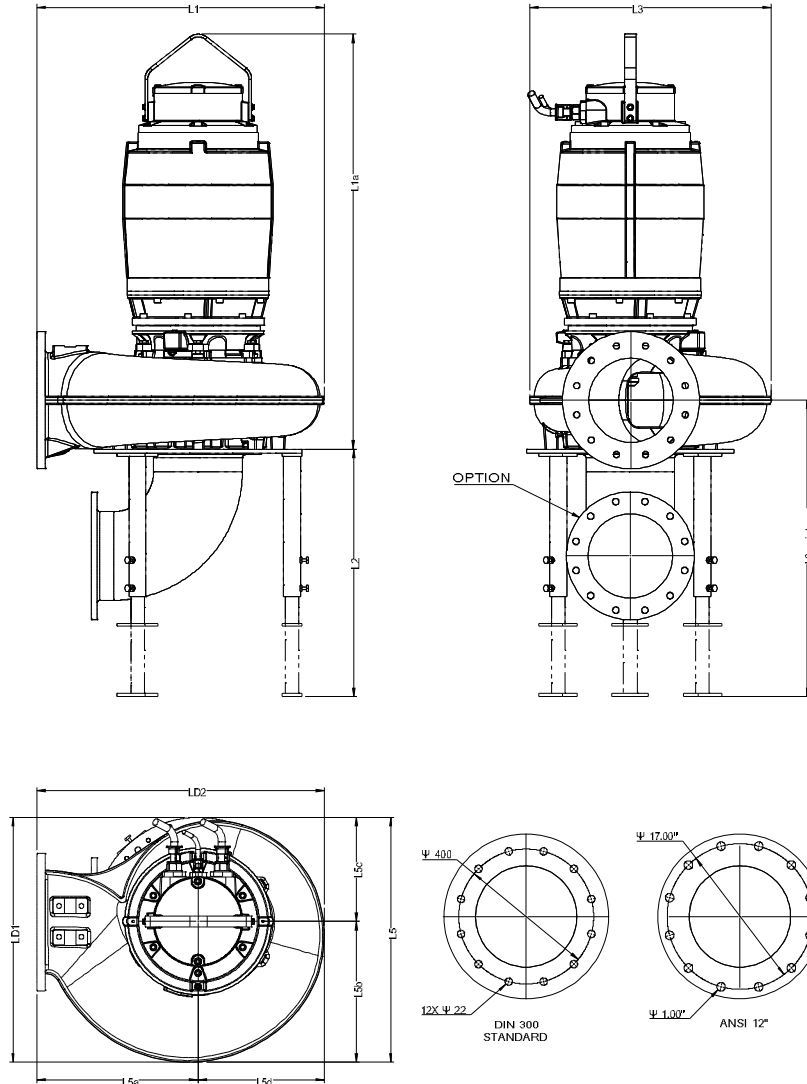
Outlet flange - Standard : DN300 / PN10  
- Option : 12" ANSI class 125

Suction flange - Standard : DN300 / PN10  
- Option : 12" ANSI class 125

Weight of Pump with cooling jacket = 1090 kg  
( without cooling jacket : - 102 kg )

Weight of Base for Transportable = 88 kg

**PX4-300.0-4 CHANNEL 1 With motor M4.2C-110 IE2**

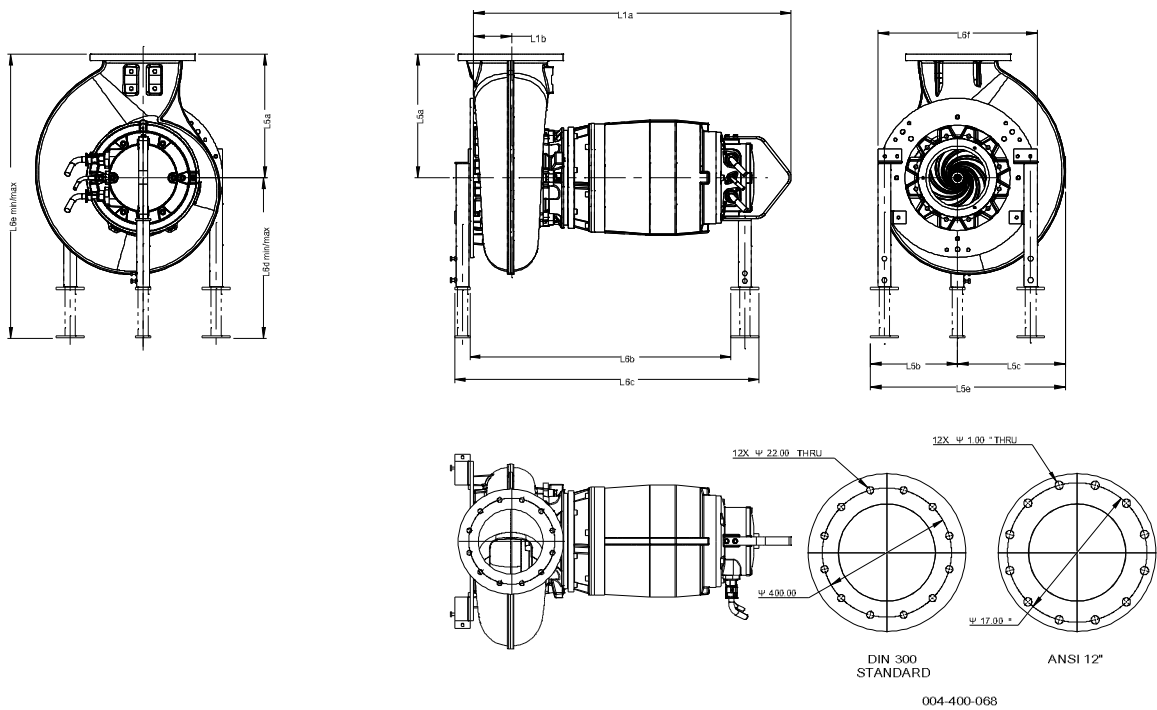


| Dimensions |       | mm | Dimensions |       | mm |
|------------|-------|----|------------|-------|----|
| Name       | Value |    | Name       | Value |    |
| L1         | 1231  |    | LD2        | 1023  |    |
| L1a        | 1477  |    |            |       |    |
| L2         | 880   |    |            |       |    |
| L2a max    | 1054  |    |            |       |    |
| L2a mim    | 804   |    |            |       |    |
| L3         | 859   |    |            |       |    |
| L5         | 870   |    |            |       |    |
| L5a        | 574   |    |            |       |    |
| L5b        | 500   |    |            |       |    |
| L5c        | 370   |    |            |       |    |
| L5d        | 450   |    |            |       |    |
| LD1        | 870   |    |            |       |    |

|   |
|---|
| <p>Outlet flange</p> <ul style="list-style-type: none"> <li>- Standard : DN300 / PN10</li> <li>- Option : 12" ANSI class 125</li> </ul> <p>Suction flange</p> <ul style="list-style-type: none"> <li>- Standard : DN300 / PN10</li> <li>- Option : 12" ANSI class 125</li> </ul> <p>Weight of Pump with cooling jacket = 1090 kg</p> <p>Weight of Adjustable Legs = 48 kg</p> |
|---|

**PX4-300.0-4 CHANNEL 1 With motor M4.2C-110 IE2**



004-400-068

| Dimensions | mm    | Dimensions | mm    |
|------------|-------|------------|-------|
| Name       | Value | Name       | Value |
| L1a        | 1477  | L6f        | 740   |
| L1b        | 179   |            |       |
| L5a        | 574   |            |       |
| L5b        | 405   |            |       |
| L5c        | 503   |            |       |
| L5e        | 908   |            |       |
| L6b        | 1066  |            |       |
| L6c        | 1267  |            |       |
| L6dmax     | 746   |            |       |
| L6dmin     | 519   |            |       |
| L6emax     | 1320  |            |       |
| L6emin     | 1095  |            |       |

Outlet flange - Standard : DN300 / PN10  
 - Option : 12" ANSI class 125

Suction flange - Standard : DN300 / PN10  
 - Option : 12" ANSI class 125

Weight of Pump with cooling jacket = 1090 kg  
 Weight of Adjustable Legs = 45 kg