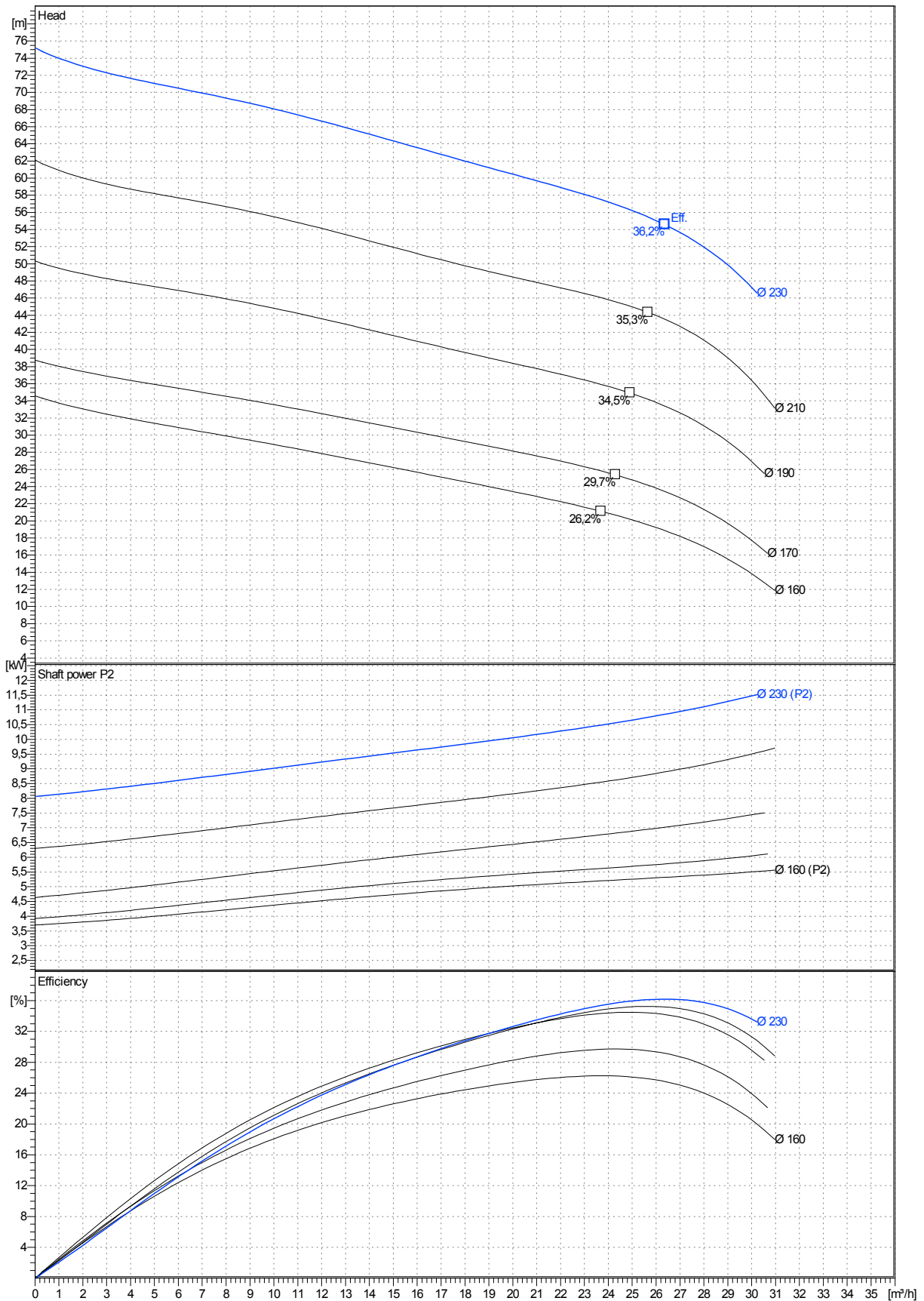


data referred to : Water, pure [100%] ; 20°C; 0,9983kg/dm³; 1,005mm²/s

Tolerances acc. ISO 9906 Annex A



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

Submersible, centrifugal, non-clogging sewage pump PXGRIND 2 capable of handling raw,unscreened sewage. The PXGRIND pumps are equipped with a grinder system, grinding destructible solids into small pieces before passing the pump ,so that they can be led away through pipes of a relatively small diameter.

The pump can be capable of operating continuously in submersed or dry installed condition due the internal cooling system (standard version).

An internal impeller, fitted between the mechanical shaft seal, circulate a cooling liquid (Ecoflu) in a closed loop through a cooling jacket, and transfer the heat to the pumped liquid by a cooling flange (heat exchange).

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

-Electrical motor PXFLOW -SIEMENS with highest energy saving norm EFF1 have Class F insulation (rated for 155 degrees Celsius)as standard (Class H as option),three thermal overload switches, one per phase, internally wound to combat high temperature loads.

-Multi 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.

-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.

-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.

Materials

Motor housing, volute :cast iron GG -25

Impeller, adapter: ductile iron GGG40

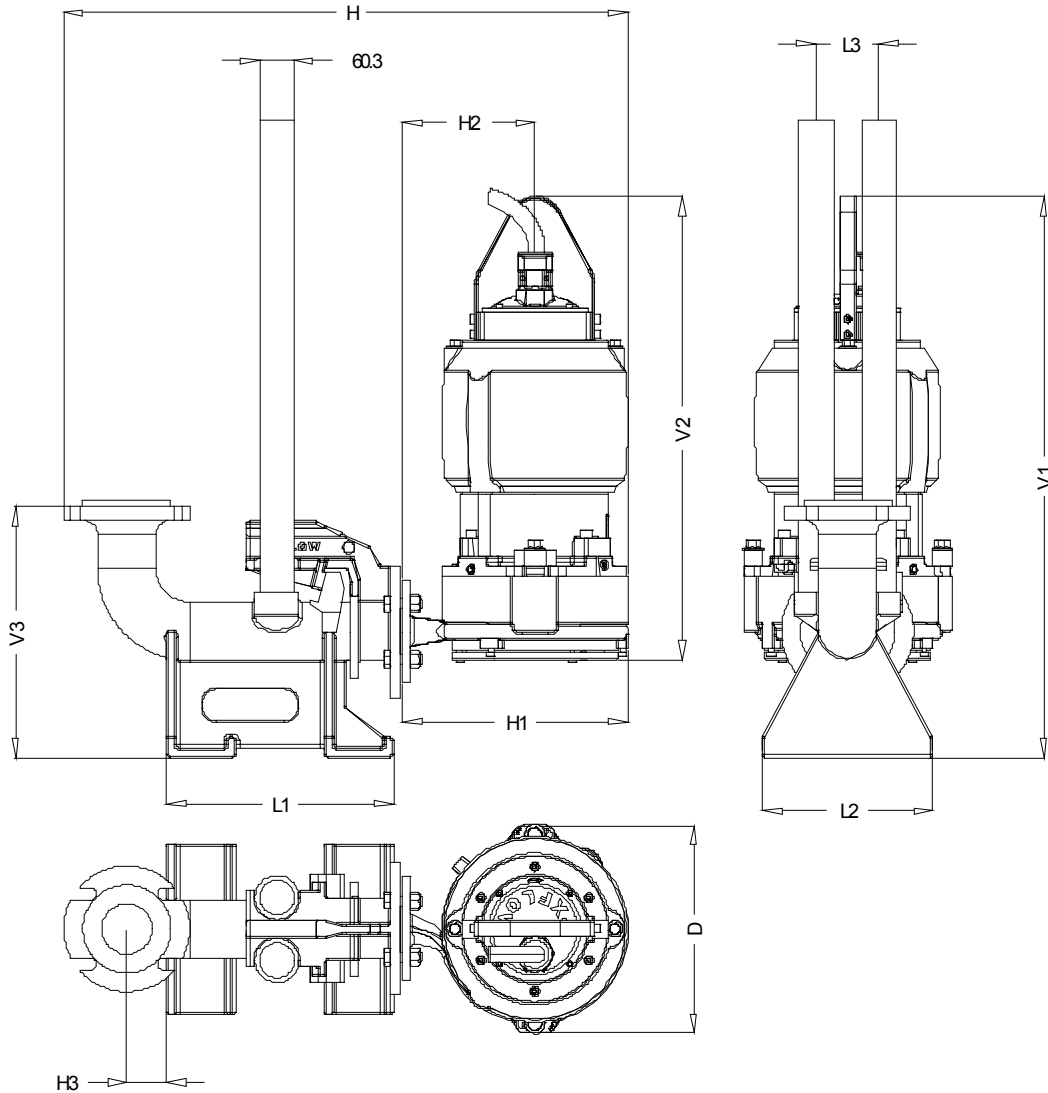
Grinder system :stainless steel 304

Shaft, cartridge sleeve :stainless steel 431

Shaft seal:Media side sic/sic
Cooling side sic/carbon

Bearings:upper:single row deep groove ball bearing
lower: double angular contact ball bearing

PXGRIND 2 with motor M2.2- 12,5 / 2



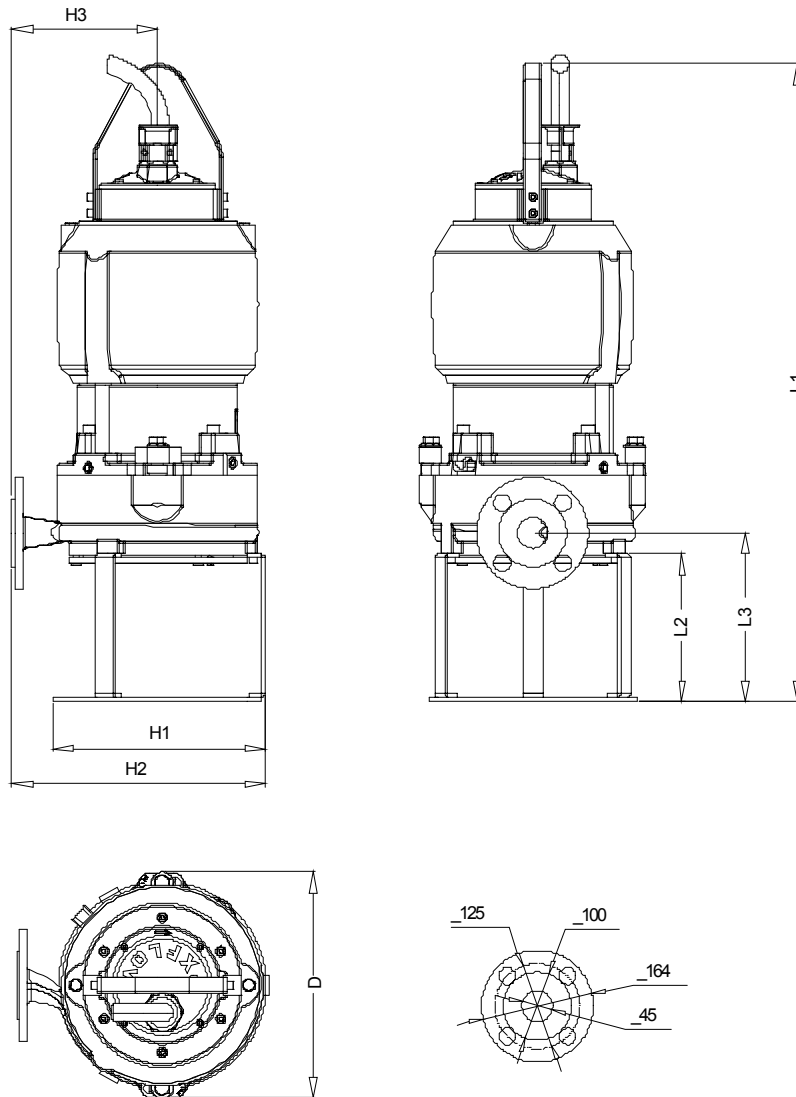
Dimensions	mm	Dimensions	mm
D	340		
H1	365		
H1	880		
H2	212		
H3	62		
L1	360		
L2	270		
L3	100		
V1	700		
V2	725		
V3	405		

For Discharge connection bracket
 Outlet flange - Standard : DN80 / PN10 Flange
 - Option : 3" ANSI class 125
 - Option : DN100 / PN10 Flange
 - Option : 4" ANSI class 125
 - Option : DN65 / PN10 Flange
 - Option : 2 1/2" ANSI class 125

For pump
 Outlet flange - Standard : DN50
 - Option : 2" ANSI class 125

Total Weight of Pump = 148,6 kg
 Weight of Adapter = 0 kg;1}

PXGRIND 2 with motor M2.2- 12,5 / 2



Dimensions	mm	Dimensions	mm
D	340		
H1	350		
H2	370		
H3	212		
L1	890		
L2	165		
L3	190		

Outlet - Standard : DN 50 (2")

Total Weight of Pump = 148,6 kg
Weight of Base for Transportable = 10 kg