

## Yonos GIGA2.0-I 80/1-12/3,0



### Data sheet

#### Hydraulic data

Minimum efficiency index (MEI)	≥0.4
Maximum operating pressure $P_N$	16 bar
Min. fluid temperature $T_{min}$	-20 °C
Max. fluid temperature $T_{max}$	120 °C
Min. ambient temperature $T_{min}$	0 °C
Max. ambient temperature $T_{max}$	50 °C

#### Motor data

Mains connection	3~400 V, 50/60 Hz
Motor efficiency class	IE5
Rated power $P_2$	3 kW
Rated current $I_N$	4.5 A
Rated speed $n$	2880 1/min
Max. speed $n_{max}$	2880 1/min
Power consumption $P_{1 max}$	2900 W
Emitted interference	EN 61800-3
Interference resistance	EN 61800-3
Insulation class	F
Protection class motor	IP55
Threaded cable connection	1 x M25x1.5

#### Materials

Pump housing	Grey cast iron
Impeller	PPE/PS-GF30
Shaft	Stainless steel
Shaft seal	AQ1EGG
Lantern	5.1301/EN-GJL-250 KTL-coated

#### Approved liquids (other liquids upon request)

Heating water (as per VDI 2035)	yes
Heat carrier oil	Special version at additional charge
Cooling and cold water circulation systems	yes
Water-glycol mixtures (at 20 – 40 vol. % glycol and fluid temperature ≤ 40 °C)	yes

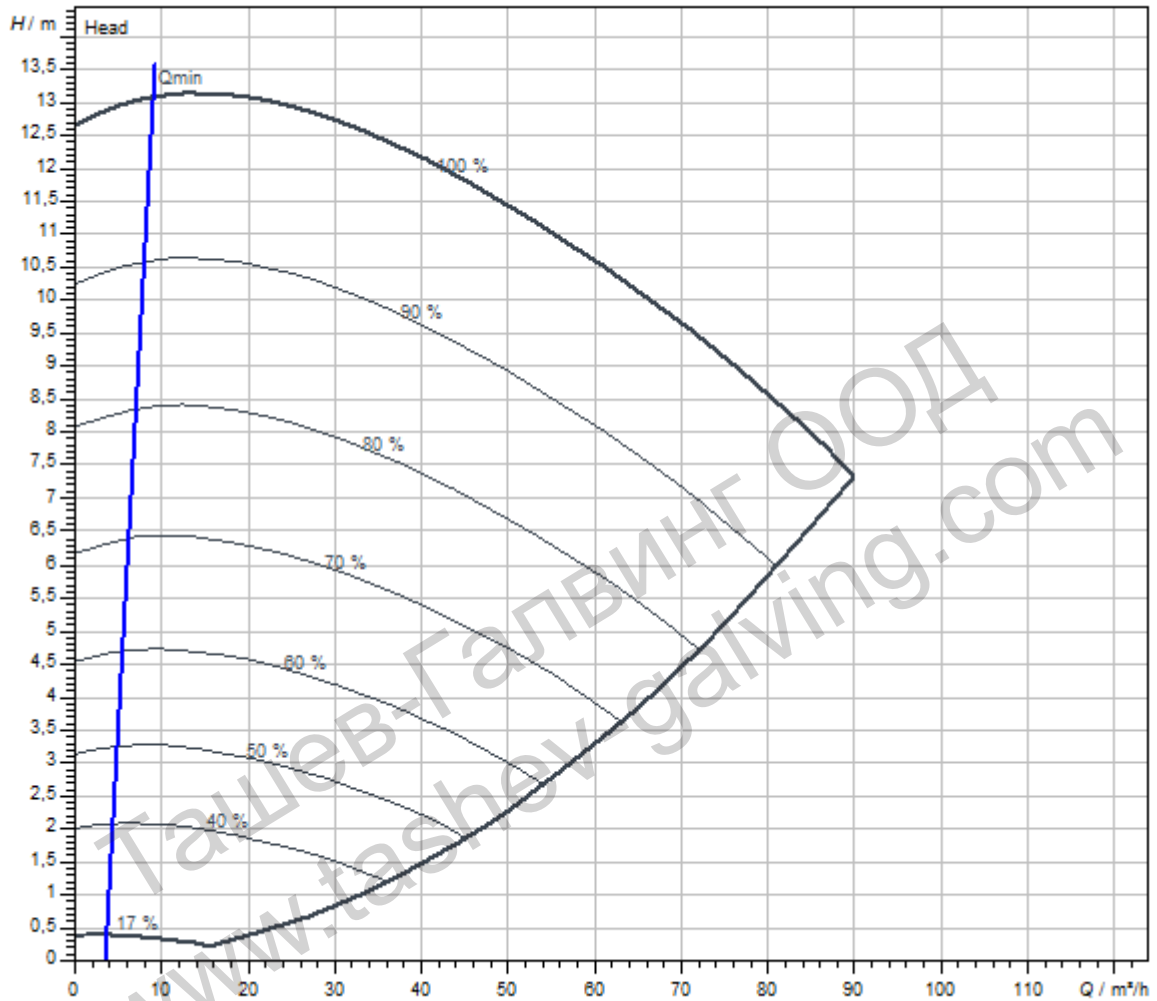
#### Installation dimensions

Port-to-port length $L_0$	360 mm
Pipe connection on the suction side $D_Ns$	DN 80
Pipe connection on the discharge side $D_Nd$	DN 80

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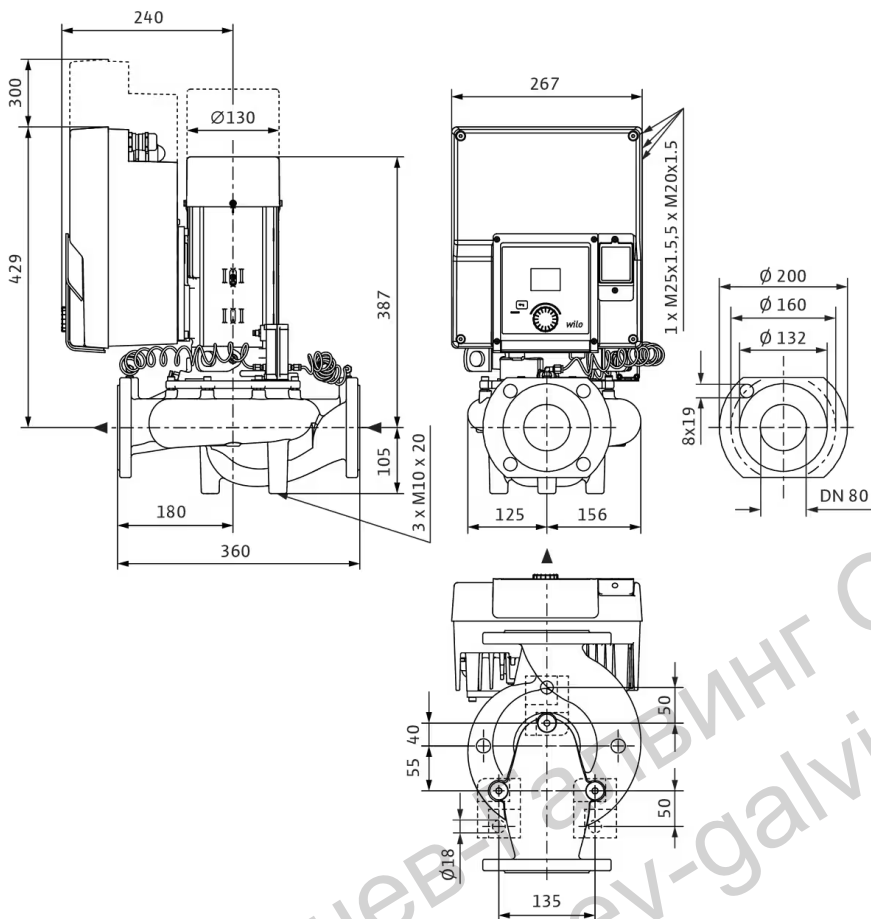
## Pump curves



Fluid media	Water 100 %
Fluid temperature $T$	20,00 °C
speed at duty point $n$ hydr. @ OP	2.881 1/min

## Dimensions and dimensions drawings

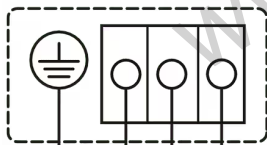
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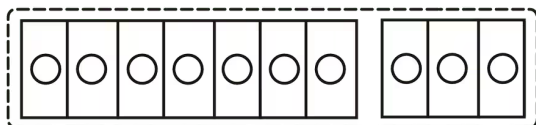
## Wiring diagram

3~ 380 V...440 V, 50/60 Hz

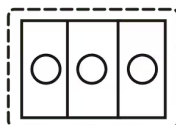
3~380V...440V, 50/60 Hz



PE L1 L2 L3



+ 24V	↑	- GND I	↑	- GND I	↑	DI 1	↑	+ 24V	←	→	H	←	→	L	GND H/L
AI 1		AI 2		DI 1		BUS									
Analog In		Digital In		Wilo Net											



COM	NO	NO
SSM/SBM		