Data sheet

Hydraulic data

Minimum efficiency index (MEI)	≥0,4
Min. fluid temperature T_{min}	-20 °C
Max. fluid temperature T_{max}	140 °C
Max. ambient temperature T_{max}	40 °C
Maximum operating pressure *PN*	16 bar
Note on dimensioning	16 bar to 120 °C, 13 bar to 140 °C

Motor data

Mains connection	3~400 V, 50 Hz
Number of poles	2
Voltage tolerance	±10 %
Motor efficiency class	IE3
Rated power P_2	4 kW
Rated current I_N	7,8 A
Rated speed *n*	2900 1/min
Power factor *cos* φ_{100}	0,84
Motor efficiency 50% η_M *50%*	85,8 %
Motor efficiency 75% η_M *75%*	88,1 %
Motor efficiency 100% η_M *100%*	88,1 %
Insulation class	F
Protection class motor	IP55
Motor protection	no

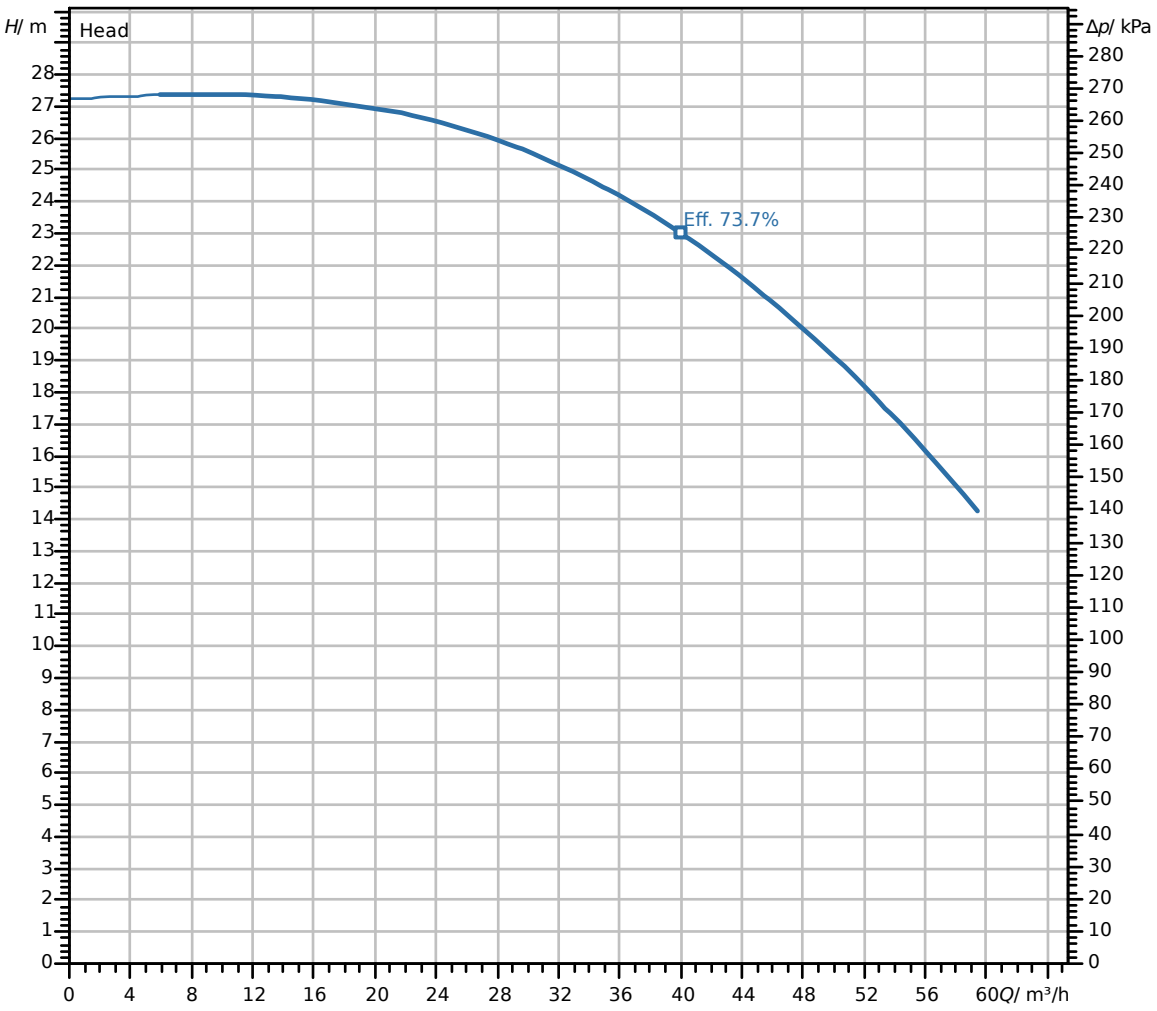
Materials

Pump housing	5.1301/EN-GJL-250 KTL-coated
Impeller	Grey cast iron EN-GJL-200
Shaft	Stainless steel
Mechanical seal	AQ1EGG
Lantern	5.1301/EN-GJL-250 KTL-coated

Installation dimensions

Pipe connection on the suction side *DNs*	DN 50
Pipe connection on the discharge side *DNd*	DN 50
Port-to-port length *L0*	340 mm

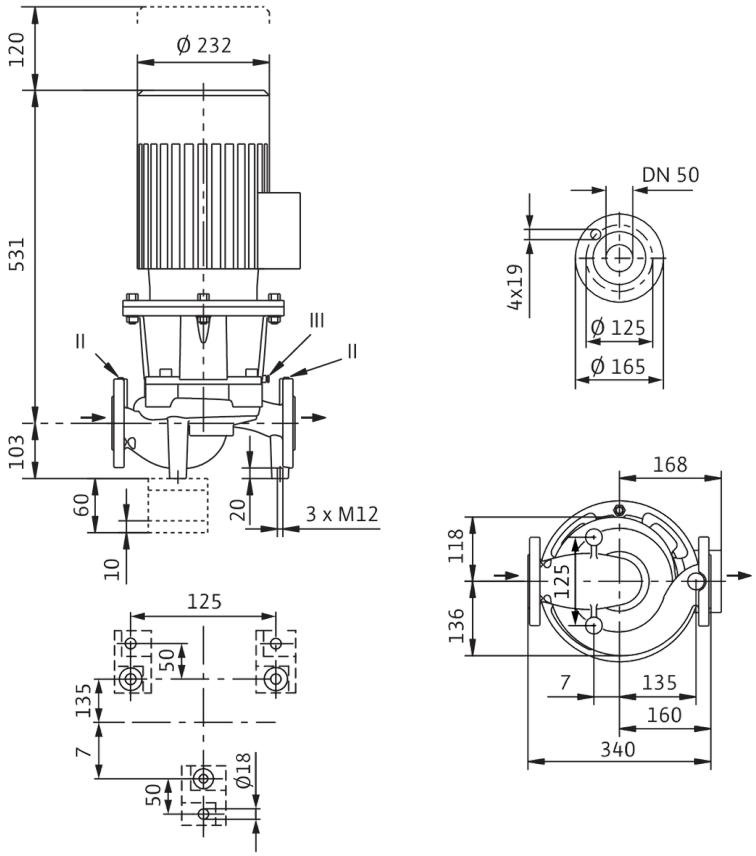
Pump curves



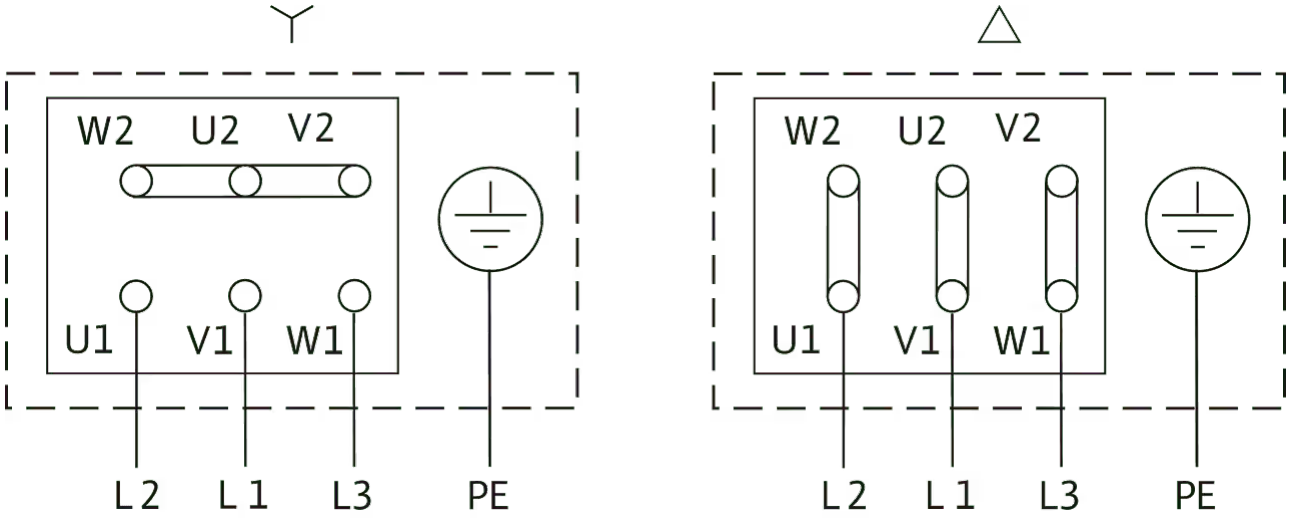
Fluid media	Water 100 %
Fluid temperature	20.00 °C
speed at duty point	2,929 1/min
Impeller diameter	141 mm

Dimensions and dimensions drawings

Atmos GIGA-I 50/130-4/2



Wiring diagram



Δ: Connection diagram delta connection

Y: Connection diagram star connection

Motor protection switch required on-site. Check the direction of rotation! To change the direction of rotation, exchange any two phases.

$P_2 \leq$ 3 kW	3~400 V Y
	3~230 V Δ
$P_2 \geq$ 4 kW	3~690 V Y
	3~400 V Δ

After removing the bridges, Y-Δ start is possible.