



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	3 kW
Rated current I_N	6,3 A
Rated speed n	2900 1/min
Power factor $\cos \varphi_{100}$	0,80
Motor efficiency 50% $\eta_M 50\%$	83,8 %
Motor efficiency 75% $\eta_M 75\%$	86 %
Motor efficiency 100% $\eta_M 100\%$	87,1 %
Insulation class	F
Protection class motor	IP55
Motor protection	no

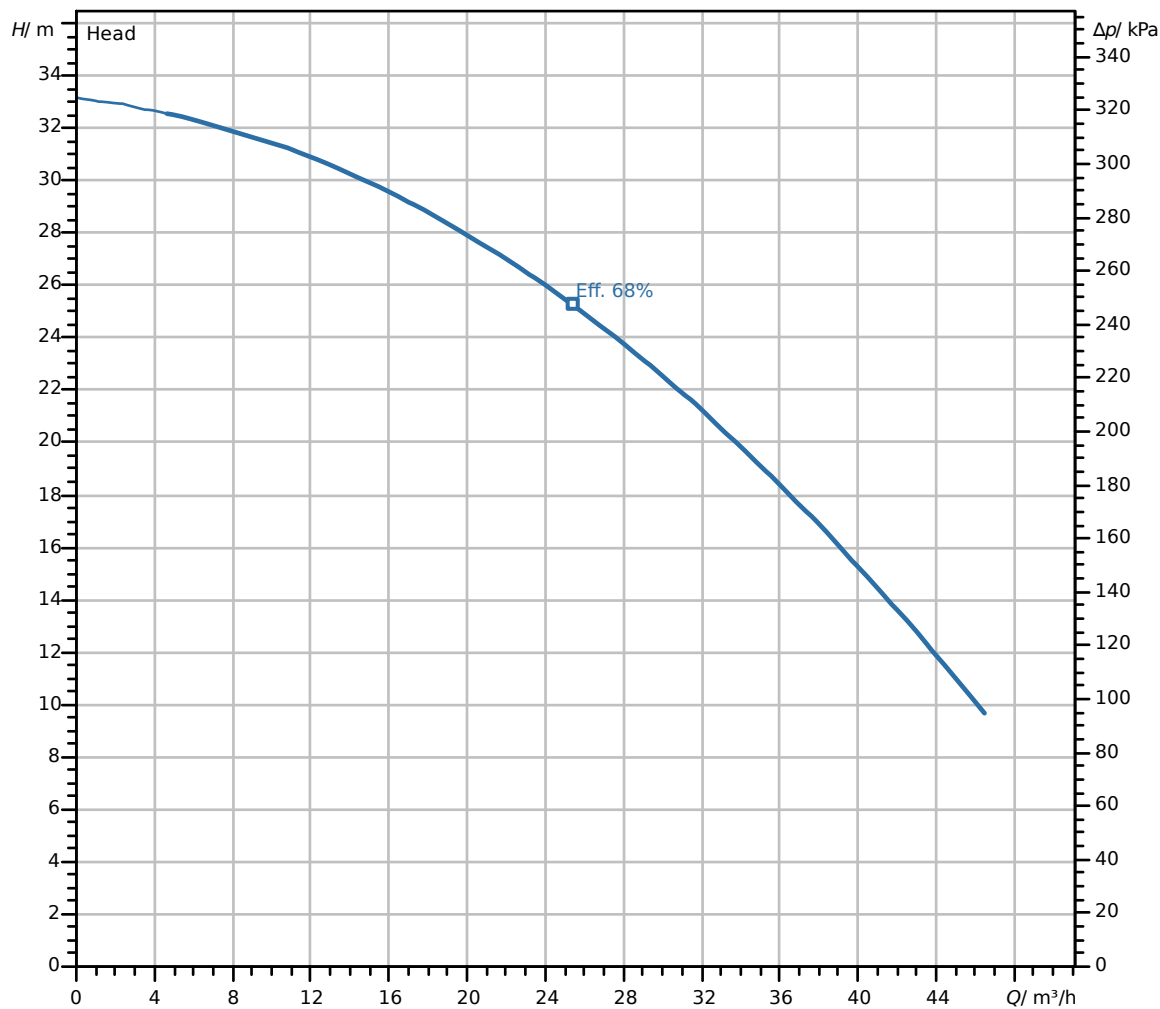
Materials

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 40
Pipe connection on the discharge side DNd	DN 40
Port-to-port length $L0$	340 mm

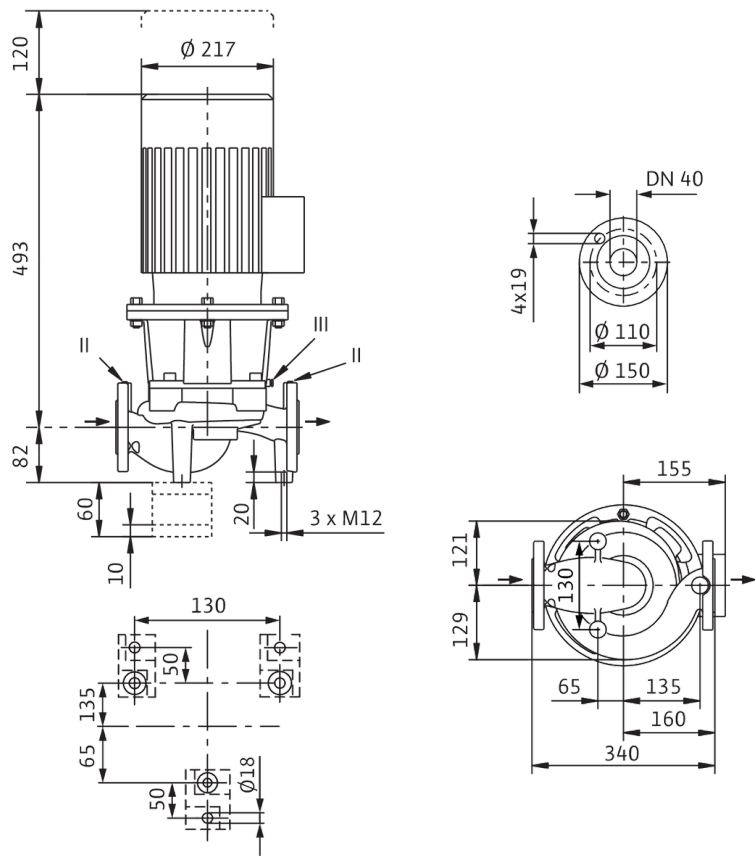
Pump curves



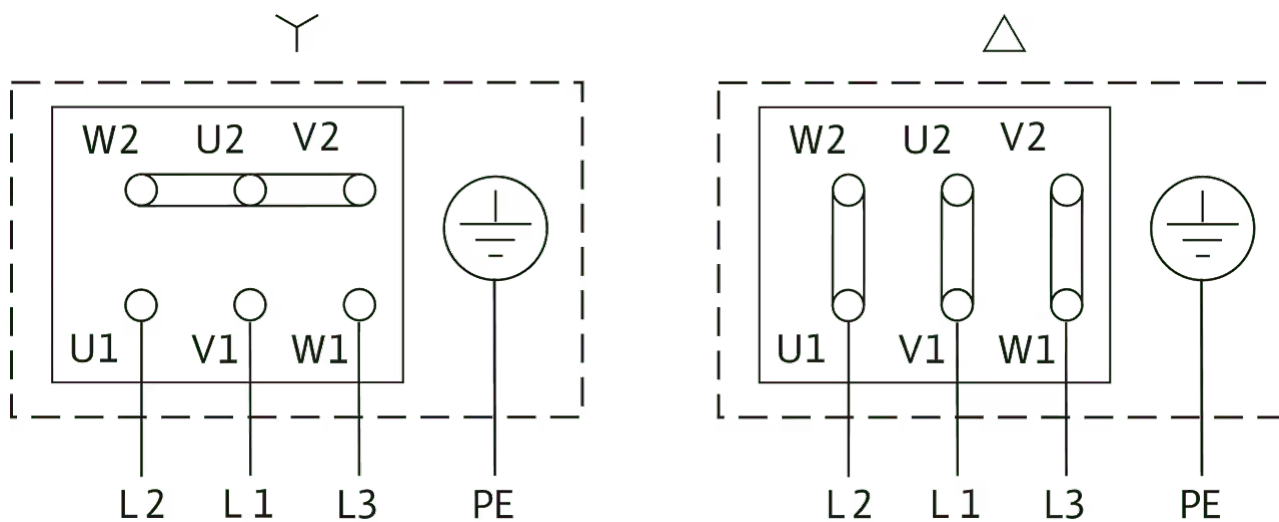
Fluid media	Water 100 %
Fluid temperature	20.00 °C
speed at duty point	2,929 1/min
Impeller diameter	149 mm

Dimensions and dimensions drawings

Atmos GIGA-I 40/140-3/2



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.

$P_2 \leq 3 \text{ kW}$ 3~400 V Y

3~230 V Δ

$P_2 \geq 4 \text{ kW}$ 3~690 V Y

3~400 V Δ

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