



Data sheet

Hydraulic data

Minimum efficiency index (MEI)	$\geq 0,4$
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	$\pm 10 \%$
Motor efficiency class	IE3
Rated power P_2	18,5 kW
Rated current I_N	37,1 A
Rated speed n	2900 1/min
Power factor $\cos \varphi_{100}$	0,79
Motor efficiency 50% $\eta_M 50\%$	92 %
Motor efficiency 75% $\eta_M 75\%$	92,8 %
Motor efficiency 100% $\eta_M 100\%$	92,4 %
Insulation class	F
Protection class motor	IP55
Motor protection	PTC integrated

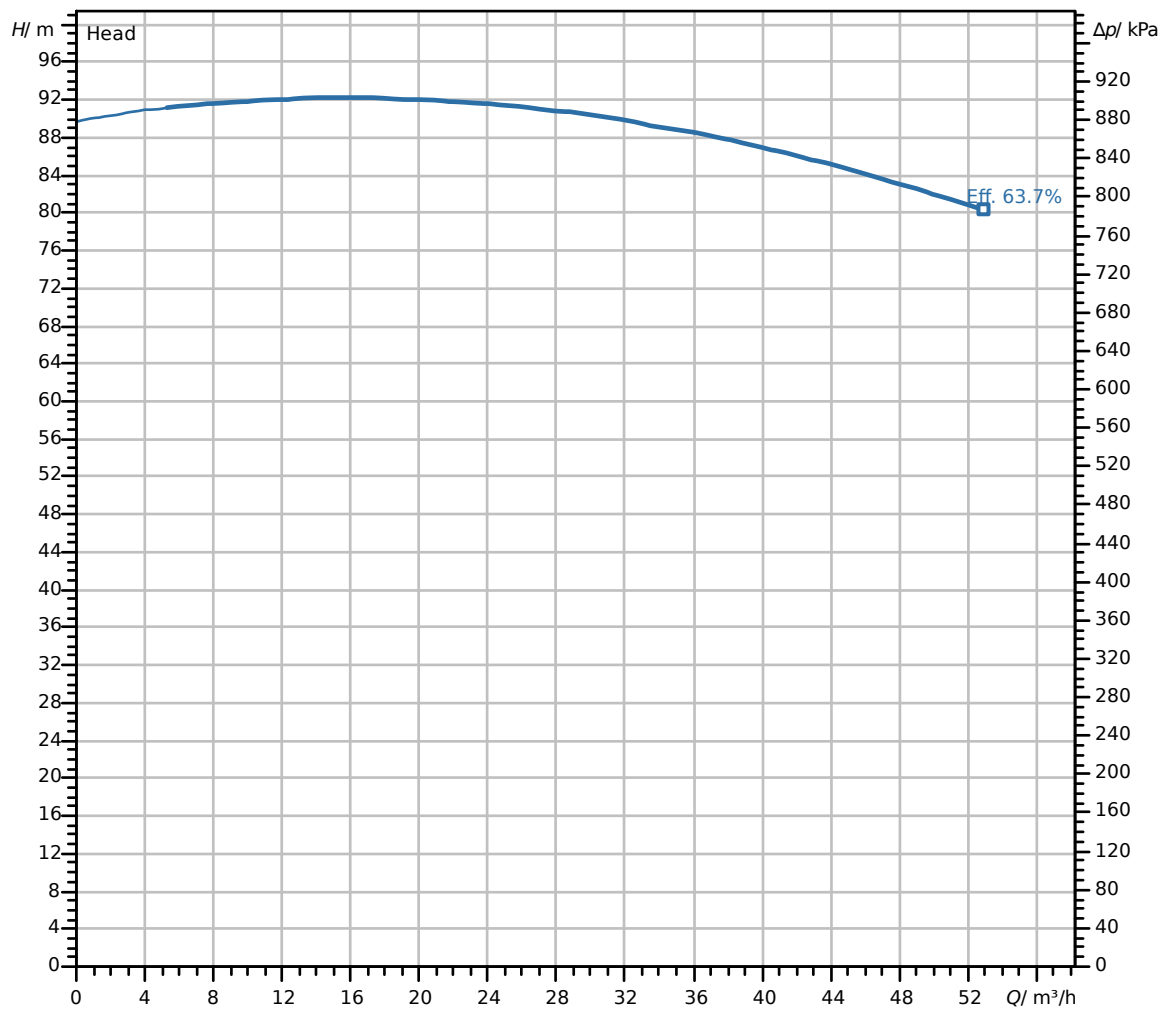
Materials

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 $L0$	440 mm

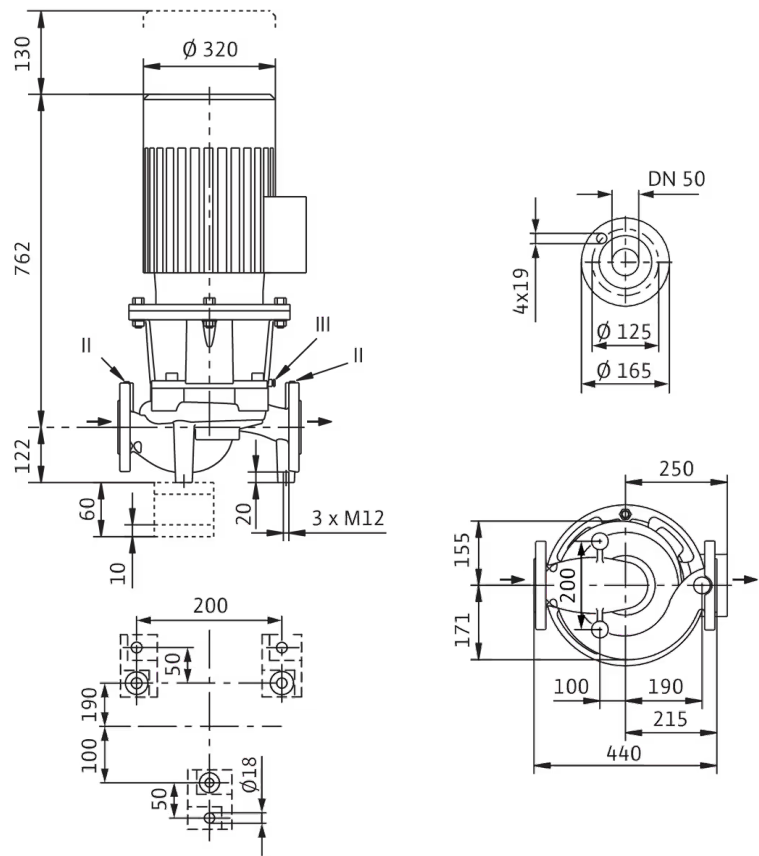
Pump curves



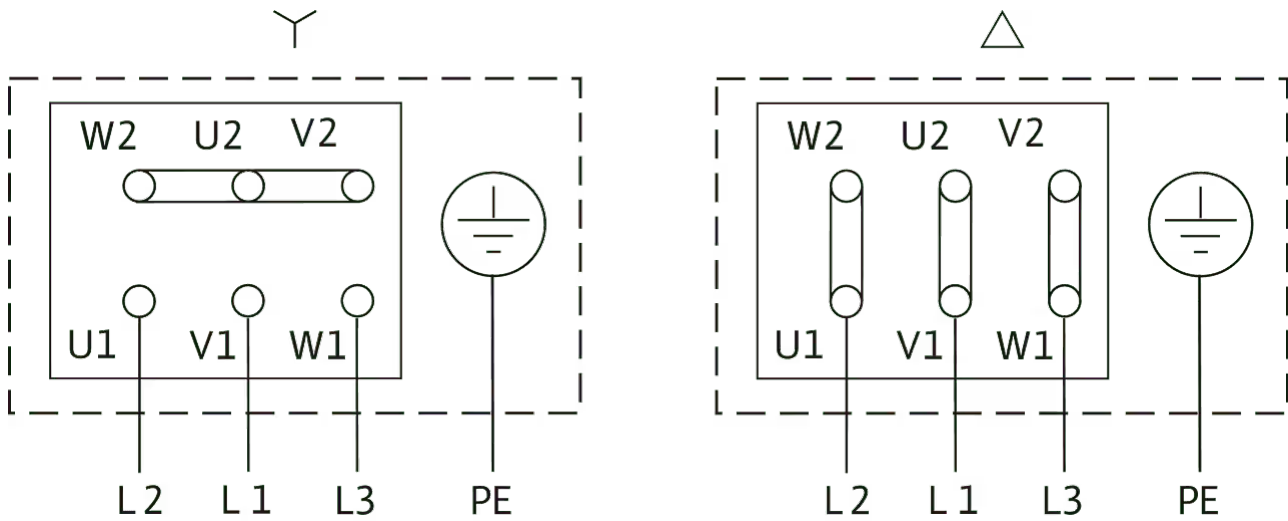
Fluid media	Water 100 %
Fluid temperature	20.00 °C
speed at duty point	2,973 1/min
Impeller diameter	243 mm

Dimensions and dimensions drawings

Atmos GIGA-I 50/240-18,5/2



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.