Similar to figure

Data sheet

Hydraulic data

Energy efficiency index (EEI)	≤0,17
Maximum operating pressure *PN*	10 bar
Head max H_{max}	13,9 m
Flow max hr $Q_{max\ hr}$	45,0 m³/h
Flow max add $Q_{max\ add}$	71,0 m³/h
Minimum suction head at 50 °C *m*	7 m
Minimum suction head at 95 °C *m*	15 m
Minimum suction head at 110 °C	23 m
Min. fluid temperature T_{min}	-10 °C
Max. fluid temperature T_{max}	110 °C
Min. ambient temperature T_{min}	-10 °C
Max. ambient temperature T_{max}	40 °C

Motor data

Mains connection	1~230 V ±10%, 50/60 Hz
Min current I_{min}	0,3 A
Max current I_{max}	4,17 A
Min. speed n_{min}	500 1/min
Max. speed n_{max}	3000 1/min
Power consumption $P_{1\ min}$	20 W
Power consumption $P_{1\ max}$	950 W
Emitted interference	EN 61800-3;2004+A1;2012 /residential area (C1)
Interference resistance	EN 61800-3;2004+A1;2012 /industrial environment (C2)
Insulation class	F
Protection class	IPX4D
Threaded cable connection	5 x M16x1.5

Materials

Pump housing	Grey cast iron
Impeller	PPS-GF40
Shaft	Stainless steel
Bearing	Carbon, antimony-impregnated

Installation dimensions

Pipe connection on the discharge side *DNd*	DN 65
Pipe connection on the suction side *DNs*	DN 65
Port-to-port length *L0*	340 mm

Equipment/function

Function

Control mode	Δp-v for variable differential pressure
	Δp-c for constant differential pressure
	Q limit for limiting the maximum volume flow
	Dynamic Adapt plus
	ΔT-const. for constant differential temperature control
	T-const. for constant temperature control
	Constant Q for constant volume flow control
	Multi Flow Adaptation
	Δ T-const. for constant differential temperature control
	User-defined PID control
	Constant speed (n-const.)
Special features of the series	Heating/Cooling switching
	Night set back
	Heat quantity measurement
	Cooling quantity measurement
	Key locking function
	No-Flow Stop
	Reset function to factory setting
	Adjustable volume flow limiter
	Ability to save and restore configured pump settings (3 restoration points)
	Fault message and warning message in plain text including suggested remedy
Multi pump operation	Main/Standby
	Parallel operation
Measurement value logging	Heat and cooling capacity measurement
Display	Setpoint
	Actual delivery head
	Actual volume flow
	Actual power consumption
	Energy consumption
	Temperature (version “-R7”: current fluid temperature possible with Stratos MAXO temperature sensor)
	Warning messages in plain text (display status: yellow)
	Error messages in plain text (display: red)
	Pump venting (display status: blue)
	Control mode
	Active influences (e.g. STOP)

Function

Display (can also be selected)	Speed
	Heating quantity
	Cooling quantity
	Operating hours
	Mains voltage
	Warning message
	Error message
Pump venting function	Yes

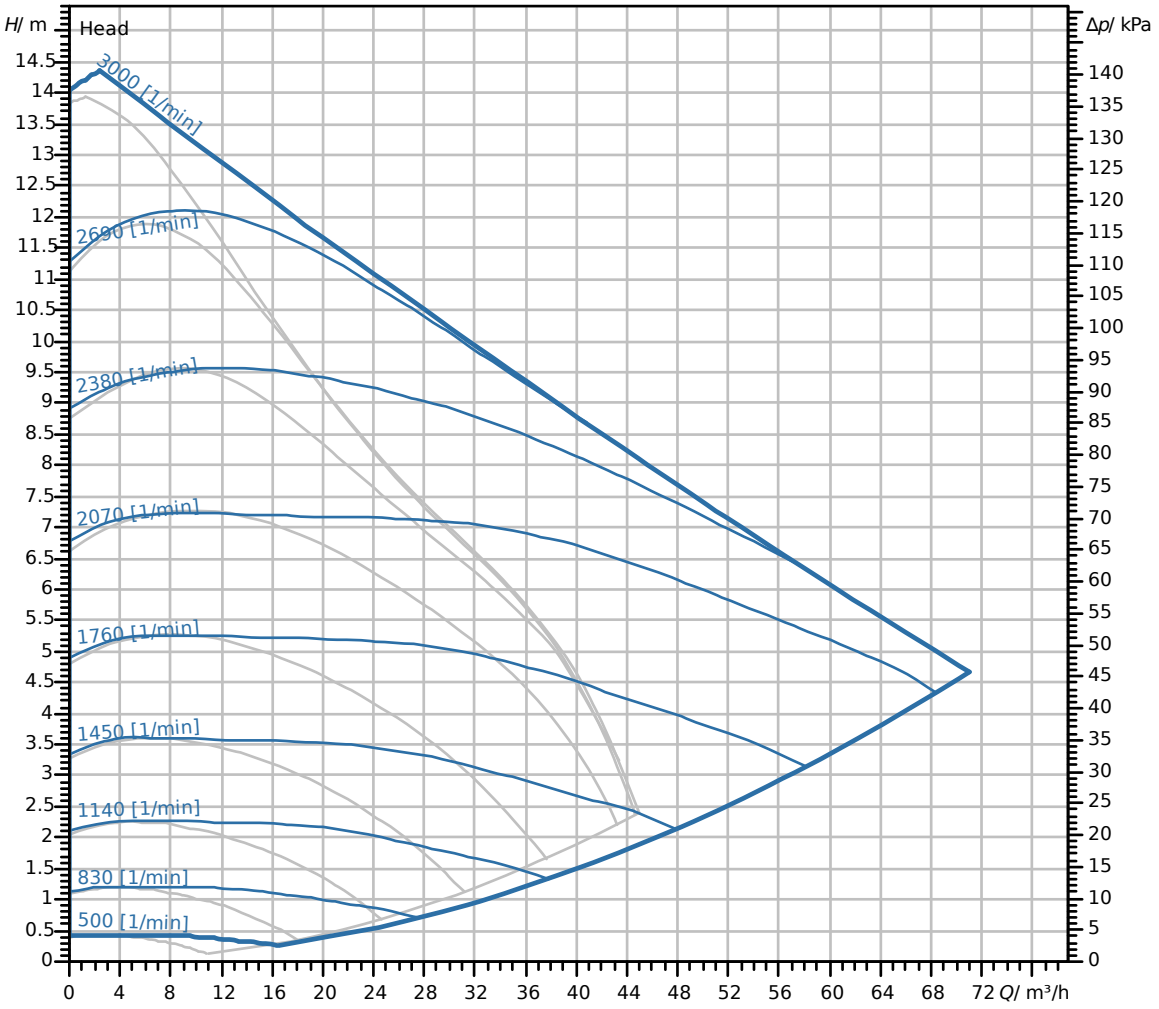
Equipment

Approvals and labels	CE
	VDE
	EAC
Cold water insulation shell	No
Display	Graphic colour display (4.3 inches)
Display information	Comfort Version: LCD display (large) for showing the head, flow volume, actual und cumulated current.
Pump control	Electronic-controlled pump
Quick electrical connection	Wilo Connector
Thermal insulation shell	No
Blocking-current proof motor	yes
Particle filter	yes
Key lock	yes

Connectivity

Access via the Wilo-Assistant app	Yes
Analogue signal as standard	0-10 V 2-10 V 4-20 mA 0-20 mA PT1000
Bus communication via additional accessories	BACnet MS/TP LON Modbus RTU CANopen PLR BACnet IP Modbus TCP
Connection for Wilo-Smart Cloud	Via Wilo-Smart Gateway
Digital input	Ext. OFF Ext. MIN Ext. MAX MANUAL (BMS-OFF) Key lock Switchover between heating/cooling mode
Digital output	SSM SBM
wire data exchange and remote operation	Bluetooth

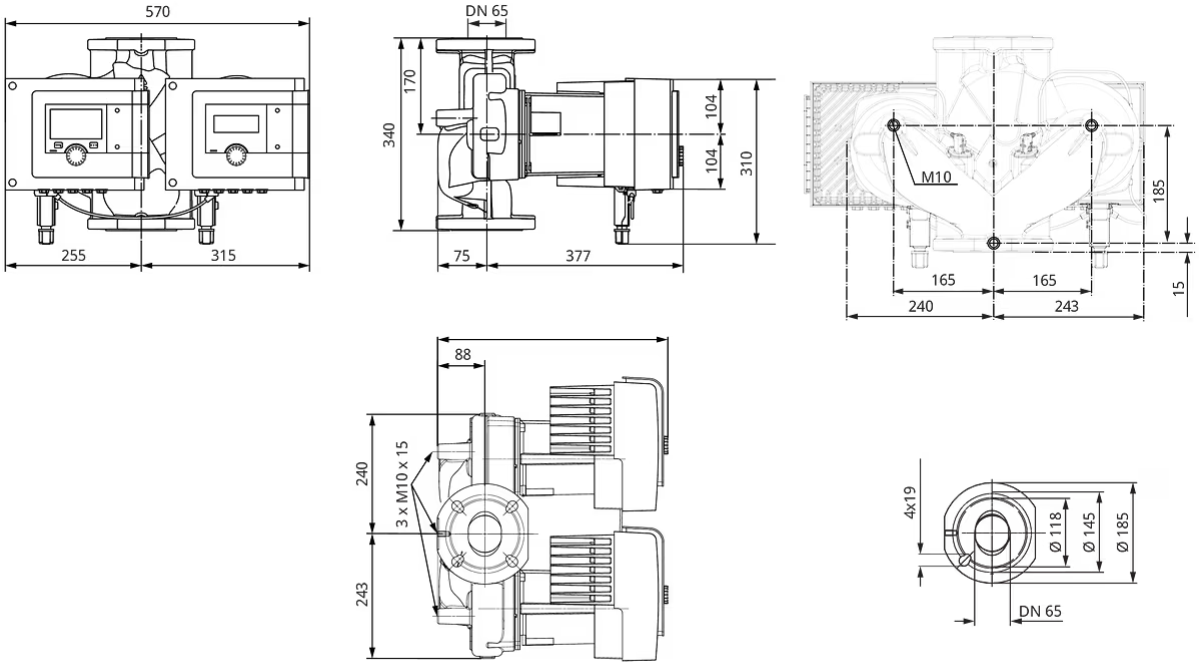
Pump curves



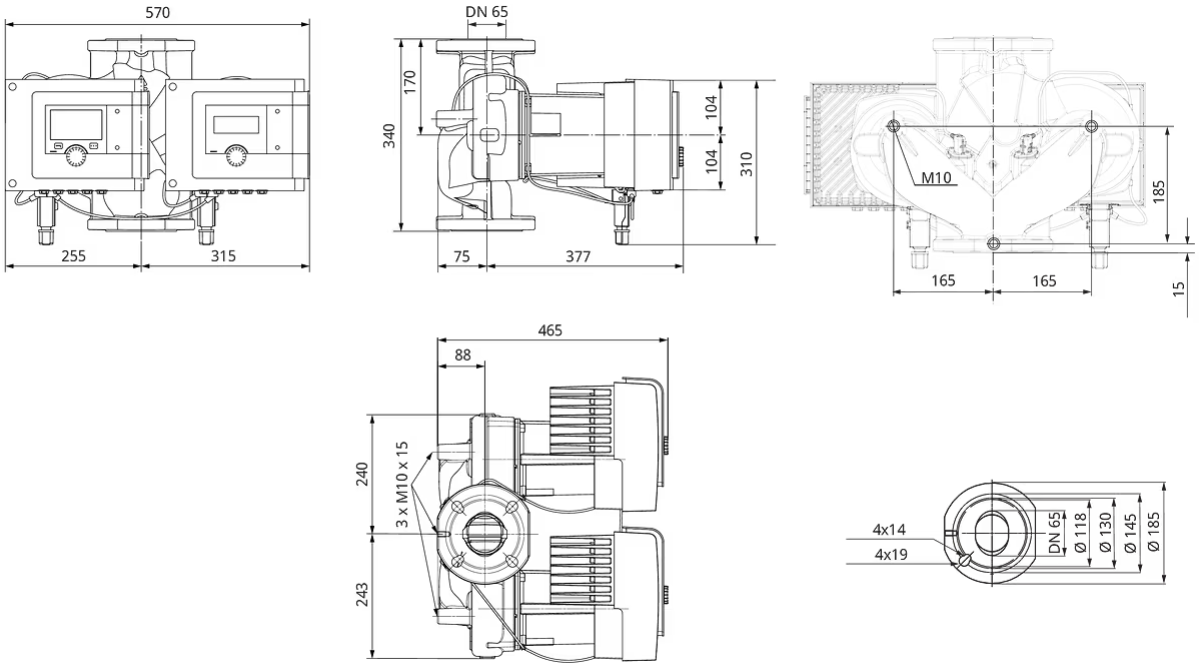
Fluid media	Water 100 %
Fluid temperature	20.00 °C
speed at duty point	2,308 1/min

Dimensions and dimensions drawings

Stratos MAXO-D 65/0,5-12 PN 6/10

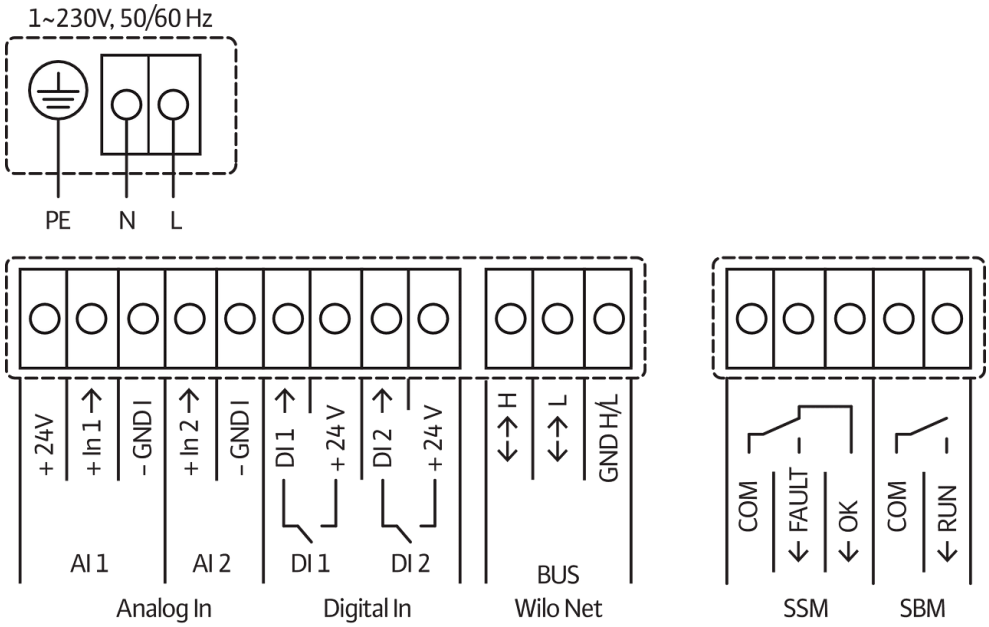


Stratos MAXO-D 65/0,5-12 PN 6/10



Wiring diagram

Standard: 1~ 230 V, 50/60 Hz, Option: 3~ 230 V, 50/60 Hz



SSM: Collective fault signal (NC contact in accordance with VDI 3814, load capacity 1 A, 250 V ~)