

Wilo-Yonos MAXO



Single pumps
High-efficiency pumps, electronically controlled, with screwed or flange connection

Application

Hot-water heating systems of all kinds, air-conditioning systems, closed cooling circuits, industrial circulation systems



Pump equipment

- Pre-selectable control modes Δp -c, Δp -v for optimum load adjustment
- LED display for setting the setpoint
- Quick electrical connection with the Wilo-Connector
- Motor protection, fault signal light and contact for collective fault signal
- Pump housing with KTL coating for external corrosion protection
- Combination flanges PN 6/PN 10 (DN 40–DN 65)

Accessories from page 76

Technical data

Approved fluids (other fluids on request)

Heating water according to VDI 2035

Water/glycol mixtures at a ratio of max. 1:1

The pumping data are to be checked in the event of admixtures of 20% or higher.

Output

Energy efficiency index (EEI) ≤ 0.23

Variable power control

Max. operating pressure

Screw-end pumps

Flange-end pumps

Special version:

10 bar

6/10 bar or 6 bar (depending on type)

10 bar operating pressure with TF 110, depending on type

Temperature range

-20°C to $+110^{\circ}\text{C}$

Ambient temperature

Max. -20°C to $+40^{\circ}\text{C}$ permitted

(Outdoor installation permitted under certain circumstances)

Motor (ECM technology)	
Mains connection	1~230 V, 50/60 Hz
Protection class	IP X4 D
Insulation class	F
Residual-current operated protection devices (RCD)	
Operation on residual-current operated protection devices according to DIN EN 61008-1 is permitted without any functional impairment of the residual-current operated protection device (DIN VDE 0160).	
Suitable residual-current-operated protection switches are identified by  or 	

Dimensions – weight							
Yonos MAXO	Pipe connec- tion/ ND Rp/ DN	Thread on pump G	Port-to- port length l ₀ [mm]	Flange* PN			Weight PN 6/PN 10 [kg]
				Standard		Com- bina- tion	
				6	16		
25/0.5–7	Rp 1	1½	180	–	–	–	3.8
25/0.5–10	Rp 1	1½	180	–	–	–	3.8
25/0.5–12	Rp 1	1½	180	–	–	–	4.9
30/0.5–7	Rp 1¼	2	180	–	–	–	3.9
30/0.5–10	Rp 1¼	2	180	–	–	–	3.9
30/0.5–12	Rp 1¼	2	180	–	–	–	5.0
40/0.5–4	40	–	220	–	–	Tab D*	8.0
40/0.5–8	40	–	220	–	–	Tab D*	9.5
40/0.5–12	40	–	250	–	–	Tab D*	13.2
50/0.5–8	50	–	240	–	–	Tab D*	10.1
50/0.5–9	50	–	280	–	–	Tab D*	14.7
50/0.5–12	50	–	280	–	–	Tab D*	15.1
65/0.5–9	65	–	280	–	–	Tab D*	17.2

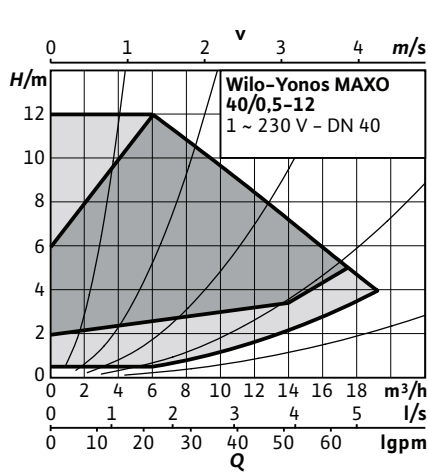
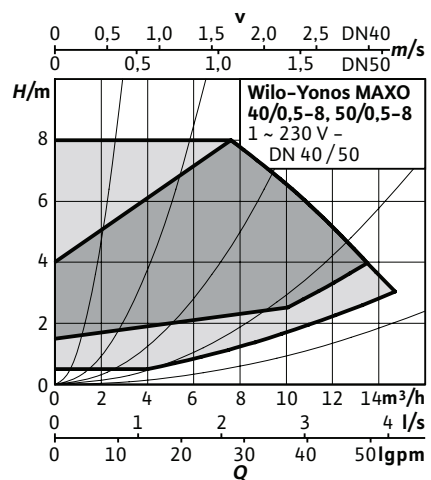
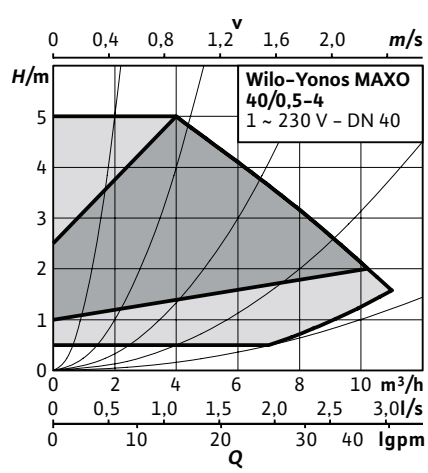
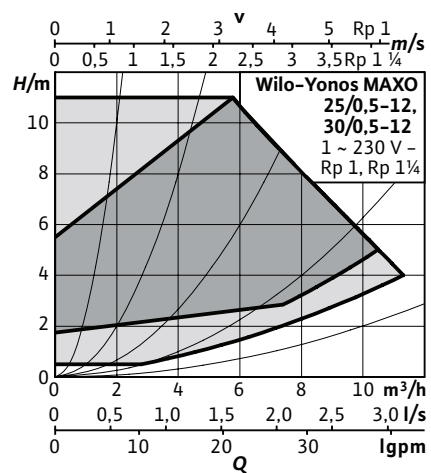
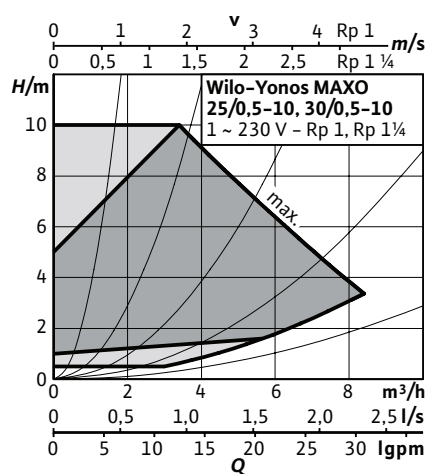
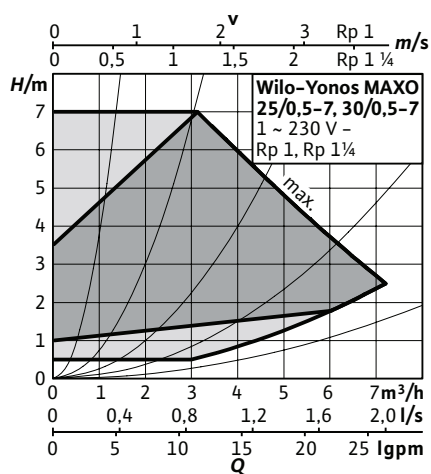
*Table of flange dimensions, page 15/16

Motor data				
Yonos MAXO	Power consumption P_1 [W]	Current I at 1~230 V [A]	Current I at 3~230 V [A]	Motor protection 1~/3~
25/0.5-7	5 - 120	0.08 - 0.9	0.08 - 0.9	Integr.
25/0.5-10	5 - 190	0.08 - 1.30	0.08 - 1.30	Integr.
25/0.5-12	10 - 305	0.15 - 1.33	0.15 - 1.33	Integr.
30/0.5-7	5 - 120	0.08 - 0.9	0.08 - 0.9	Integr.
30/0.5-10	5 - 190	0.08 - 1.30	0.08 - 1.30	Integr.
30/0.5-12	10 - 305	0.15 - 1.33	0.15 - 1.33	Integr.
40/0.5-4	7 - 120	0.09 - 0.9	0.09 - 0.9	Integr.
40/0.5-8	10 - 305	0.15 - 1.33	0.15 - 1.33	Integr.
40/0.5-12	15 - 450	0.17 - 2.0	0.17 - 2.0	Integr.
50/0.5-8	10 - 305	0.15 - 1.33	0.15 - 1.33	Integr.
50/0.5-9	15 - 430	0.17 - 1.88	0.17 - 1.88	Integr.
50/0.5-12	15 - 600	0.17 - 2.65	0.17 - 2.65	Integr.
65/0.5-9	15 - 600	0.17 - 2.65	0.17 - 2.65	Integr.

Single-phase motor: 1~230 V, 50/60 Hz.

Motor protection: integr. = integrated full motor protection

Pump curves Δp -c (constant), Δp -v (variable)



Pump curves Δp -c (constant), Δp -v (variable)

