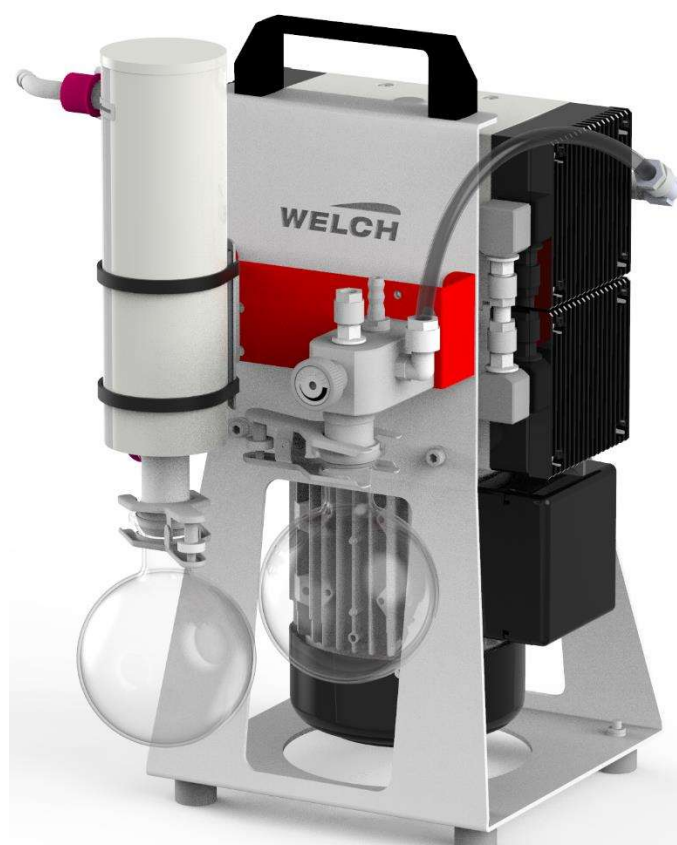


Operating manual (EN)
Translation of the original German operating manual

Diaphragm Pumping Station

MXPC 303 Z - 230V
MXPC 603 T - 230V



3 Technical data

3.1 Dimensions

MXPC 303 Z - 117047

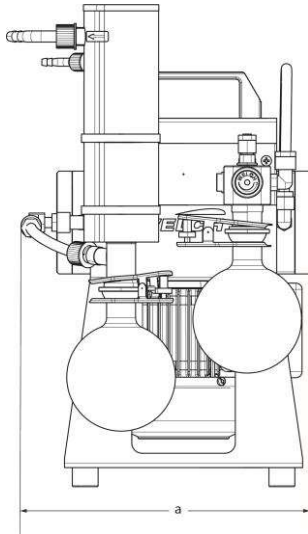


Fig. 3-1. Front view of device

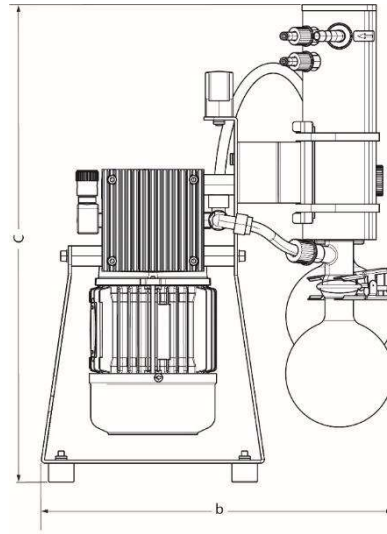


Fig. 3-2. Left view of device

MXPC 603 T - 117057

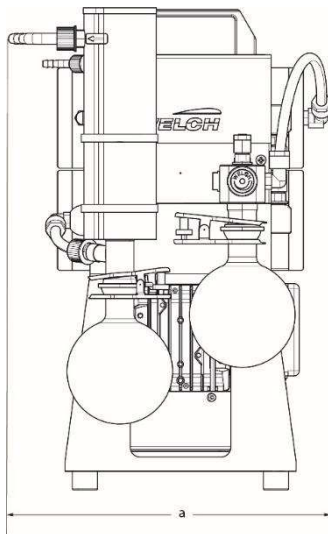


Fig. 3-3. Front view of device

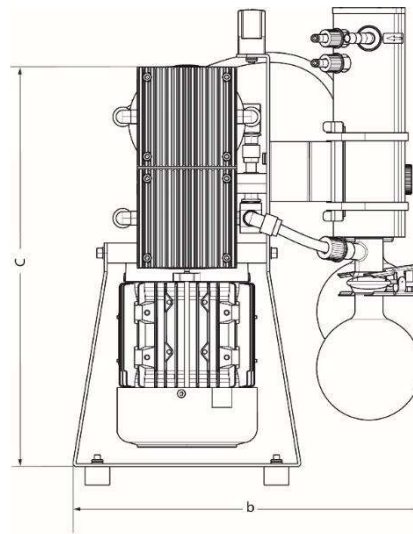


Fig. 3-4. Left view of device

Parameters	Data	
Article number	117047	117057
Width (a)	250 mm	280 mm
Depth (b)	350 mm	350 mm
Height (c)	440 mm	500 mm

3.2 Characteristic values

3.2.1 Pumping speed

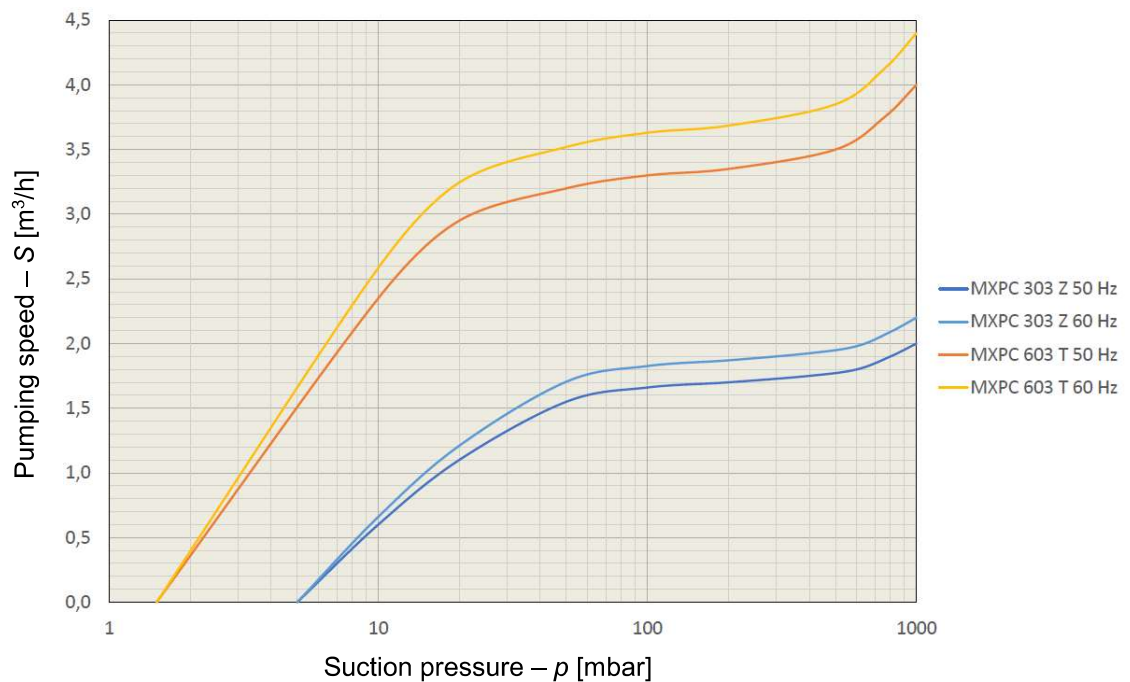


Fig. 3-5. Pumping speed characteristics $S(p)$

3.2.2 Parameters

Parameters	Unit	Data	
Article number	-	117047	117057
Designation	-	MXPC 303 Z	MXPC 603 T
Pumping speed ISO 21360-1* (50/60 Hz)	m^3/h	2.0 / 2.2	4.0 / 4.4
Ultimate pressure (base pressure) ISO 21360-1* with gas ballast	mbar	≤ 5 ≤ 8	≤ 1.5 ≤ 3.0
Max. inlet/exhaust pressure	mbar	1100	
Degree of protection according to EN 60529	-	IP40	
Sound pressure level EN ISO 2151	db (A)	≤ 44	≤ 40
Weight (net / gross)	kg	14.7 / 18.5	25.4 / 28.9
Rated voltage	V	230	
Rated frequency	Hz	50 / 60	
Rated current	A	1.6	3.1
Operating temperature range	$^{\circ}\text{C}$	+ 10 to + 40	
Max. media temperature	$^{\circ}\text{C}$	+ 40	
Max. insertion height	m MSL	2000	
Storage humidity	RH	< 90%	
Coolant flow	l/min	> 5	
Max. coolant temperature	$^{\circ}\text{C}$	+ 12	

NOTE * Technical data correspond to the basic units.

3.3 General Connections

Type of connection	Version	Use for
Pneumatic		
Inlet (suction)	Hose nozzle DN 8-10	Hose ID = 8-10 mm
Output (pressure side)	Hose nozzle GL 18	Hose ID = 8-10 mm
Accompanying parts (optional)		
Inlet (suction)	Hose nozzle DN 8-10 Compression fitting DN 10	Hose ID = 8-10 mm Tube 10/8 mm (AD/ID)
Equipment		
Cooler input/output	Hose nozzle GL 14	Hose ID = 8 mm
Mains connection	IEC 60320 C14	IEC 60320 C13

3.4 Materials

	ATTENTION
	▶ The operator must ensure that the application with the installed materials is not critical ▶ Beware of the safety/warning instructions (see chapter 2.4.1 Hazardous substances)!

Components in contact with media

Components	Material
Pumping unit	
➤ Pump heads	➤ PTFE
➤ Diaphragm	➤ PTFE coating on elastomer
➤ Valves	➤ PEEK
➤ Seals	➤ EPDM
Pneumatic connections	
➤ Vacuum hoses	➤ PTFE
➤ Screw fittings	➤ PVDF
➤ O-ring seals	➤ EPDM
Attachment parts	
➤ Separator/emission condenser	➤ Glass (shatter proof)
➤ Connector for hose	➤ PTFE
➤ Connection block incl. hose fitting	➤ PVDF