

VGX/2 VGX



Centrifugal pumps

Field of application

- > Water treatment
- > Water supply
- > Cooling units
- > Engineering

Design

Monoblock pump with surface-cooled motor, extended motor shaft to accommodate the impellers, shaft seal in the form of a mechanical seal, configured for constant operation.

Motor

Protection class: IP 55
Class of insulation: F
Voltage: 1~ 230 V $\pm$ 10 %
built in overloaf protection
3~ 230/400 V $\pm$ 10 %
Speed: 2850 rpm
Frequency: 50 Hz

Field of application

- > Special voltages
- > Special elastomers
- > Special mechanical seals
- > Higher fluid temperatures

Technical data

Flow rate: Q up to max. 15 m³/h
Total dynamic head: H up to max. 75 m
Fluid temperature: t from -5 to max. 90 °C
Operating pressure: p up to max. 8 bar

Pumped fluid

Clear, moderately aggressive fluids, which don't chemically and mechanically attack the pump materials.

Materials used

Pump housing: stainless steel AISI 304
Impellers: stainless steel AISI 304
Shaft: stainless steel AISI 303
Engine mount: die cast aluminium
Elastomers: NBR
Mechanical seal: carbon/ceramic

Type key

2 VGX 12/30

VGX: 1 stage pump type
2 VGX: 2 stage pump type
12/30: pump size

*Exceptions:

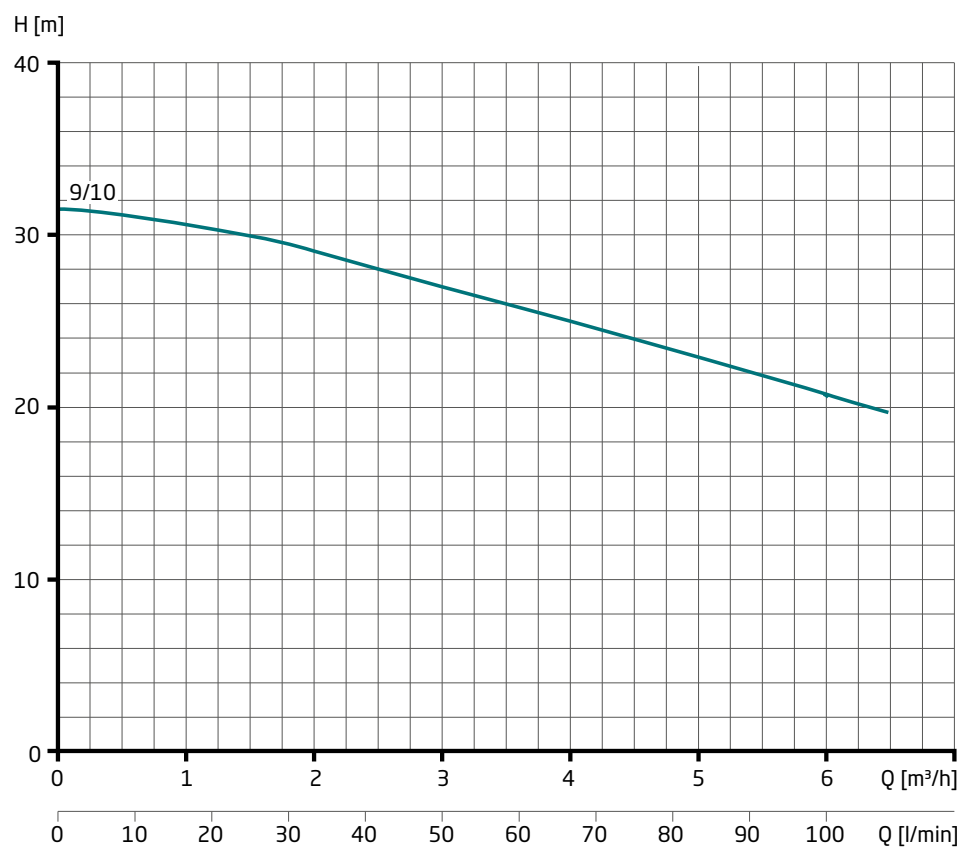
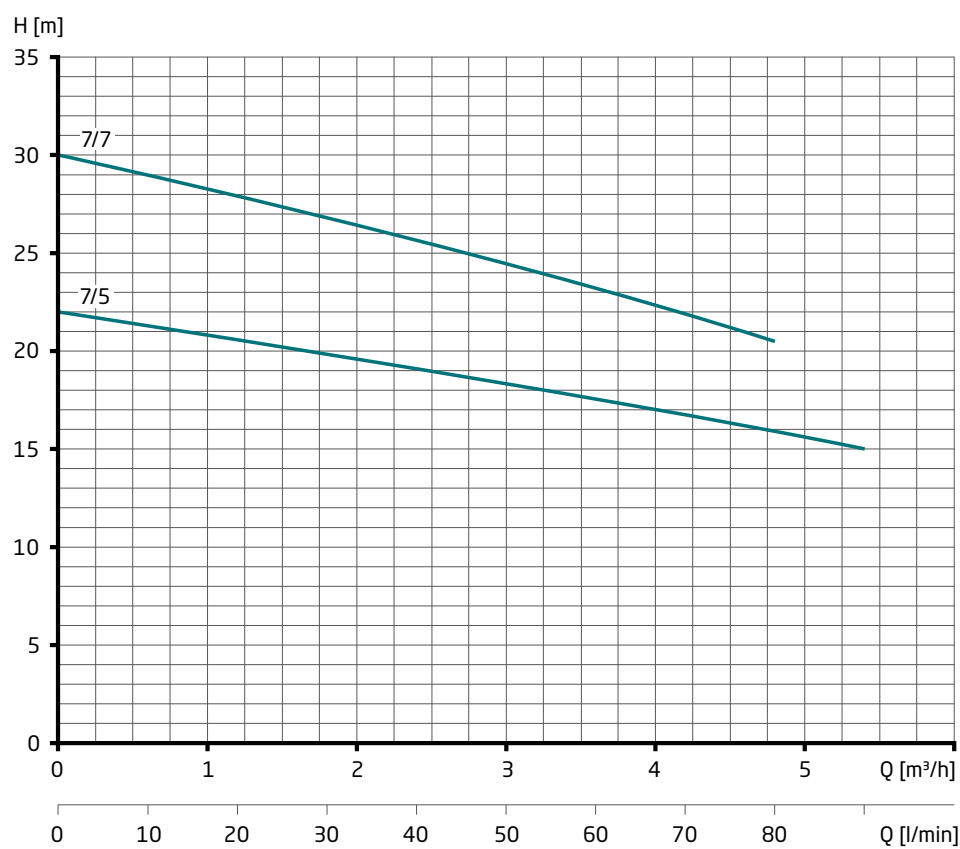
VGX 7/5, VGX 7/7, VGX 9/10

Fluid temperature: t from -5 to max. 60 °C
All models with Viton elastomers:
Fluid temperature: t from -5 to max. 110 °C
All models with EPDB elastomers:
Fluid temperature: t from -5 to max. 120 °C



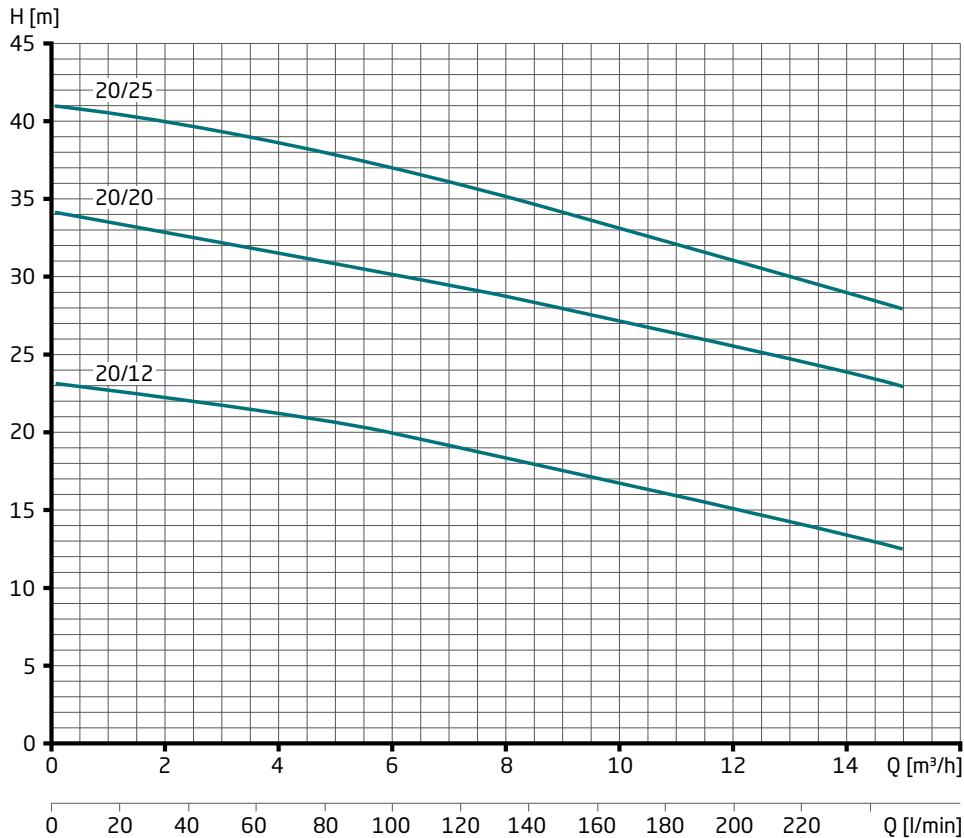
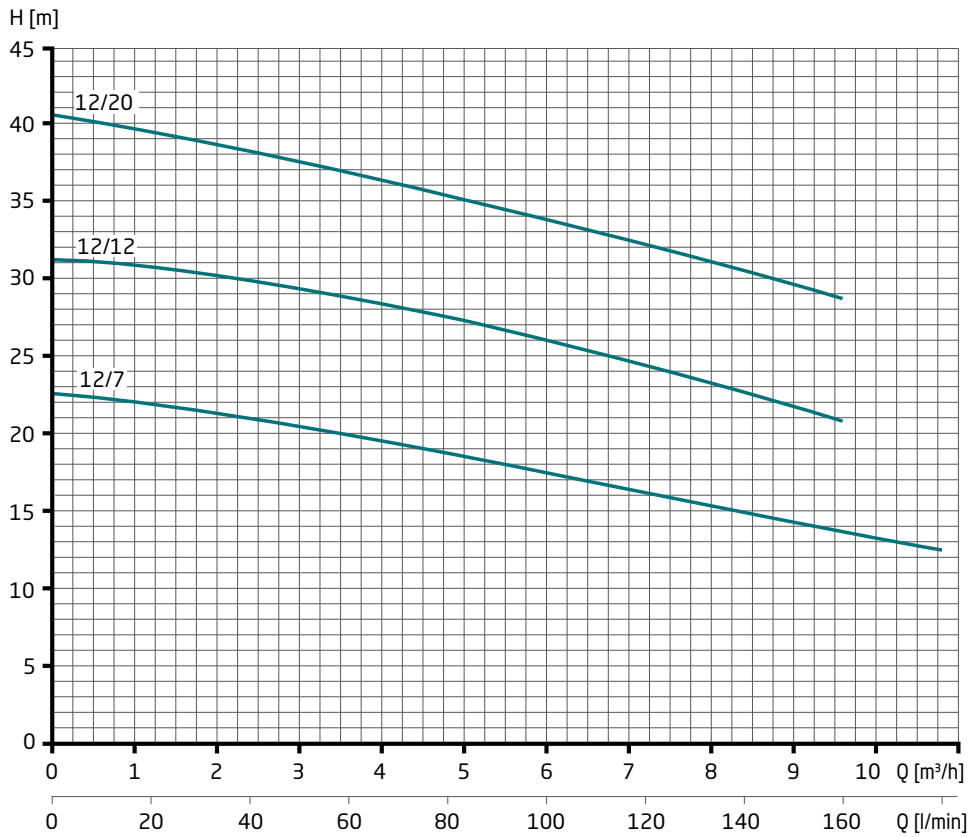
Characteristics

VGX



Characteristics

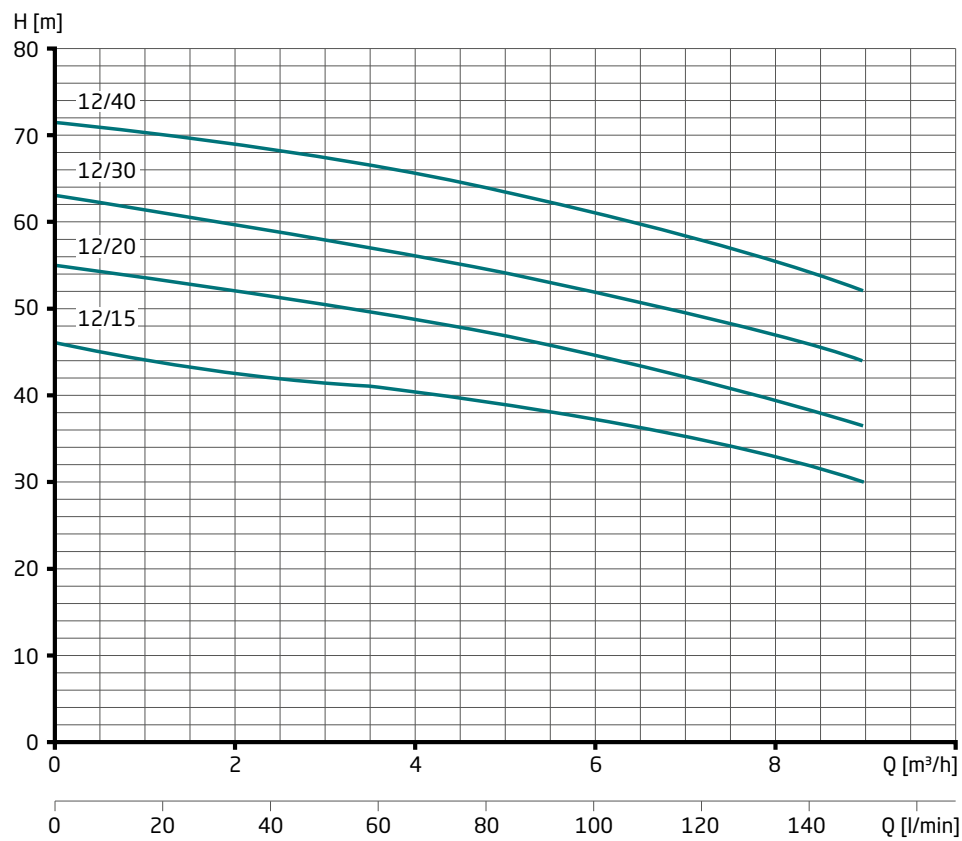
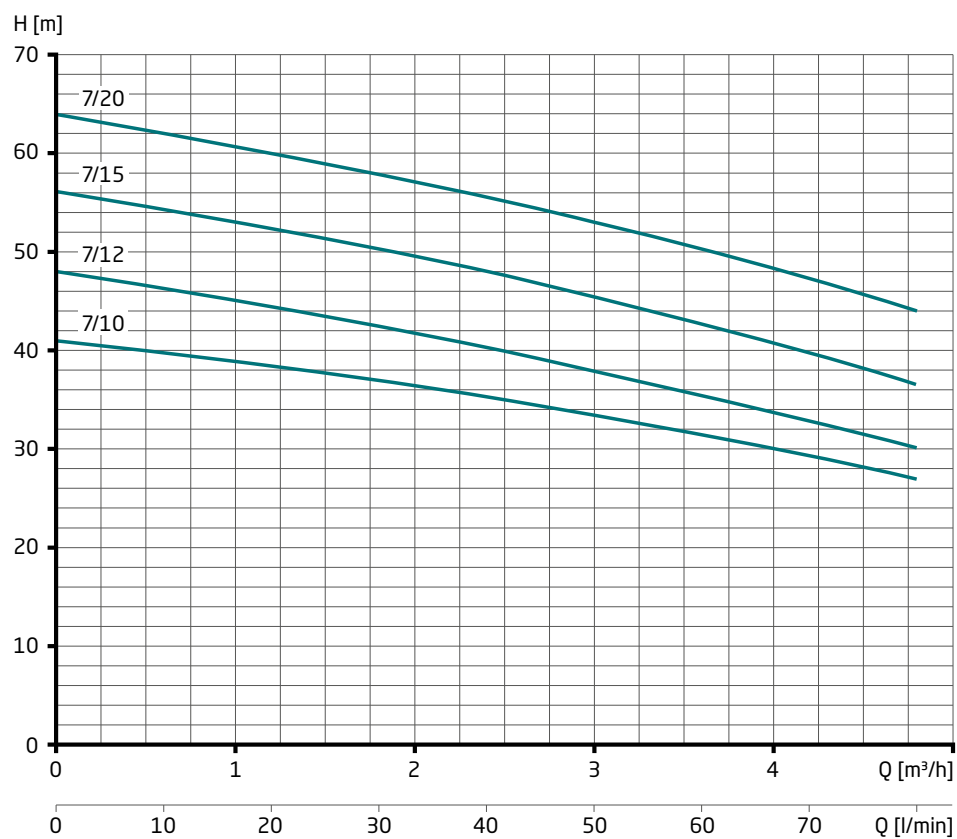
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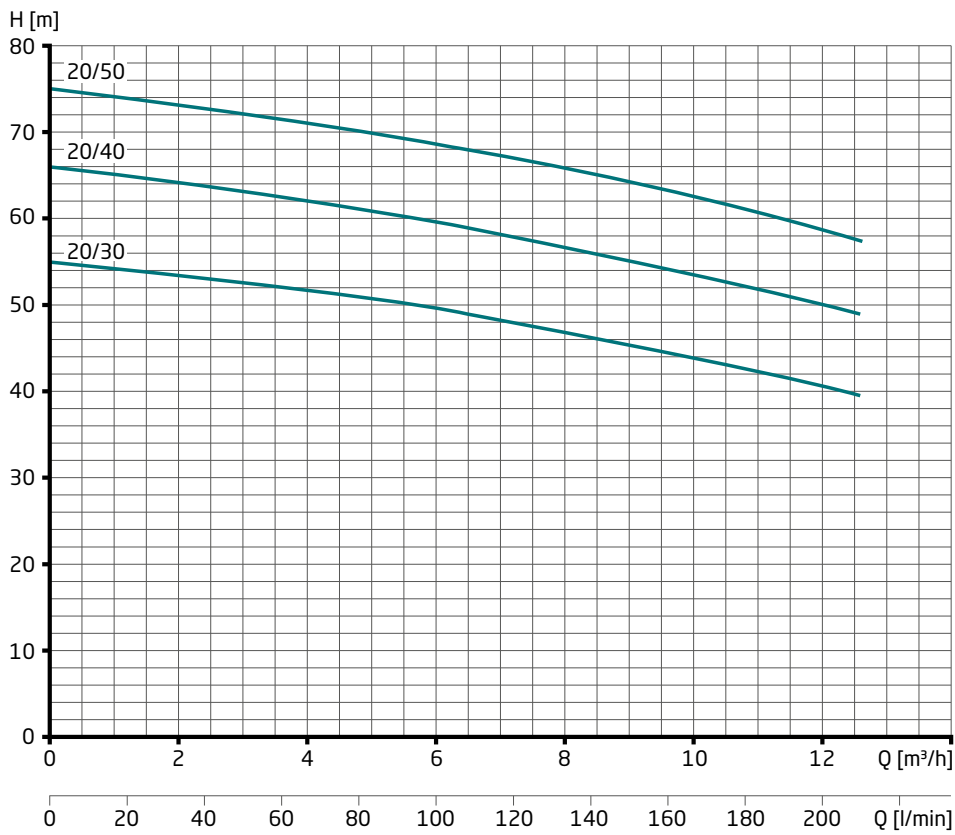
Characteristics

VGX



Characteristics

VGX





Technical data

Type	Inlet connection (Rp)	Outlet connection (R)	Power output P ₂ (kW) 400/230 V	Rated current (A) 3~ Y/Δ 400/230 V	Rated current (A) 1~ 230 V	Weight (kg) 3~/1~
VGX 7/5	1 ¼	1	0.37/0.45	1.40/2.40	3.00	9.10/9.10
VGX 7/7	1 ¼	1	0.55/0.75	1.70/3.00	4.50	10.40/10.40
VGX 9/10	1 ¼	1	0.75/0.90	1.90/3.30	5.30	11.90/11.90
VGX 12/7	1 ¼	1	0.55/0.75	1.70/3.00	4.50	10.40/10.40
VGX 12/12	1 ¼	1	0.90/0.90	2.50/4.30	5.50	12.50/12.50
VGX 12/20	1 ½	1	1.50/1.50	4.10/7.10	8.90	17.20/17.20
VGX 20/12	1 ½	1	0.90/0.90	2.50/4.30	5.50	16.30/11.50
VGX 20/20	1 ½	1	1.50/1.50	4.10/7.10	9.00	15.30/16.50
VGX 20/25	1 ½	1	1.80/-	4.70/8.20	-	17.00/-
2 VGX 7/10	1 ¼	1	0.75/0.75	1.70/3.00	6.00	12.60/12.60
2 VGX 7/12	1 ¼	1	0.90/0.90	2.50/4.30	7.00	13.70/13.70
2 VGX 7/15	1 ¼	1	1.10/1.10	3.30/5.80	8.10	17.00/17.00
2 VGX 7/20	1 ¼	1	1.50/1.50	4.10/7.10	10.00	20.10/19.20
2 VGX 12/15	1 ¼	1	1.10/1.10	3.30/5.80	8.30	15.60/15.60
2 VGX 12/20	1 ¼	1	1.50/1.50	4.10/7.10	10.20	18.30/17.40
2 VGX 12/30	1 ¼	1	2.20/-	4.70/8.20	-	26.10/-
2 VGX 12/40	1 ¼	1	3.00/-	6.40/11.10	-	27.80/-
2 VGX 20/30	1 ½	1	2.20/-	4.70/8.20	-	26.60/-
2 VGX 20/40	1 ½	1	3.00/-	6.40/11.10	-	27.60/-
2 VGX 20/50	1 ½	1	3.70/-	8.70/15.10	-	35.60/-

Horizontal pumps

Order information

Type	Three-phase 3~ 400/230 V Article no.		Net RRP	Gross RRP
VGX 7/5	641.1100.137A	X	390.82 €	465.08 €
VGX 7/7	641.1101.137A	X	411.29 €	489.44 €
VGX 9/10	641.1202.137A	X	537.26 €	639.34 €
VGX 12/7	641.1301.137A	X	557.71 €	663.67 €
VGX 12/12	641.1303.137A	X	612.62 €	729.02 €
VGX 12/20	641.1305.137A	X	741.82 €	882.77 €
VGX 20/12	641.1403.137A	X	646.01 €	768.75 €
VGX 20/20	641.1405.137A	X	764.45 €	909.70 €
VGX 20/25	641.1406.137A	X	817.20 €	972.47 €
2 VGX 7/10	641.2102.137A	X	570.66 €	679.09 €
2 VGX 7/12	641.2103.137A	X	632.02 €	752.10 €
2 VGX 7/15	641.2104.137A	X	718.14 €	854.59 €
2 VGX 7/20	641.2105.137A	X	798.91 €	950.70 €
2 VGX 12/15	641.2304.137A	X	783.82 €	932.75 €
2 VGX 12/20	641.2305.137A	X	881.80 €	1,049.34 €
2 VGX 12/30	641.2307.137A	X	1,189.72 €	1,415.77 €
2 VGX 12/40	641.2308.137A	X	1,260.77 €	1,500.32 €
2 VGX 20/30	641.2407.137A	X	1,171.44 €	1,394.01 €
2 VGX 20/40	641.2408.137A	X	1,217.72 €	1,449.09 €
2 VGX 20/50	641.2409.137A	X	1,408.28 €	1,675.85 €

Type	Single phase 1~ 230 V Article no.		Net RRP	Gross RRP
VGX 7/5	641.1100.138A	X	416.67 €	495.84 €
VGX 7/7	641.1101.138A	X	437.14 €	520.20 €
VGX 9/10	641.1202.138A	X	548.03 €	652.16 €
VGX 12/7	641.1301.138A	X	596.48 €	709.81 €
VGX 12/12	641.1303.138A	X	692.30 €	823.84 €
VGX 12/20	641.1305.138A	X	821.50 €	977.59 €
VGX 20/12	641.1403.138A	X	712.76 €	848.18 €
VGX 20/20	641.1405.138A	X	913.03 €	1,086.51 €

2 VGX 7/10	641.2102.138A	X	594.33 €	707.25 €
2 VGX 7/12	641.2103.138A	X	666.46 €	793.09 €
2 VGX 7/15	641.2104.138A	X	724.60 €	862.27 €
2 VGX 7/20	641.2105.138A	X	815.04 €	969.90 €
2 VGX 12/15	641.2304.138A	X	859.19 €	1,022.44 €
2 VGX 12/20	641.2305.138A	X	1,013.15 €	1,205.65 €

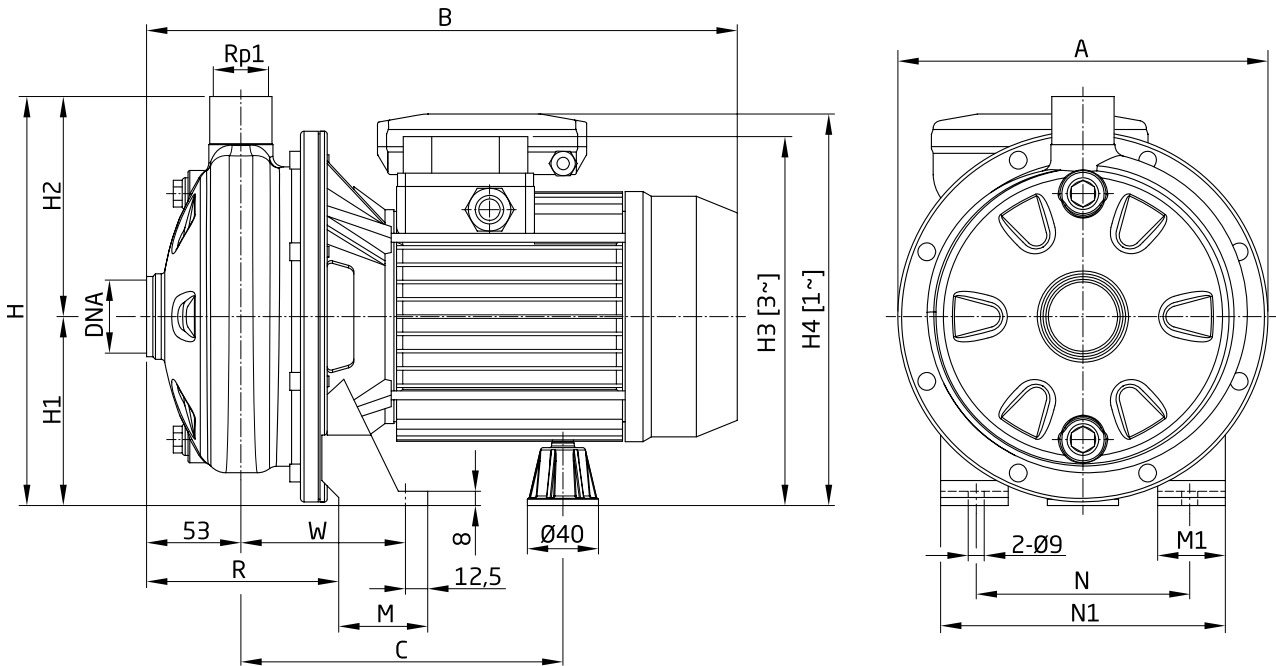
Additional cost for elastomers (mechanical seal + O-Ring)

SiC/SiC + Viton 004	641.1000.170	202.00 €	240.38 €
Carbon/SiC + Viton 006	641.1000.174	242.40 €	288.46 €
SiC/SiC + EPDM 005	641.1000.171	202.00 €	240.38 €
Carbon/SiC + EPDM 008	641.1000.175	242.40 €	288.46 €
Carbon/ceramic + Viton (open spring) 002	641.1000.168	202.00 €	240.38 €

X = Warehouse goods, can be dispatched immediately

Dimensions

VGX

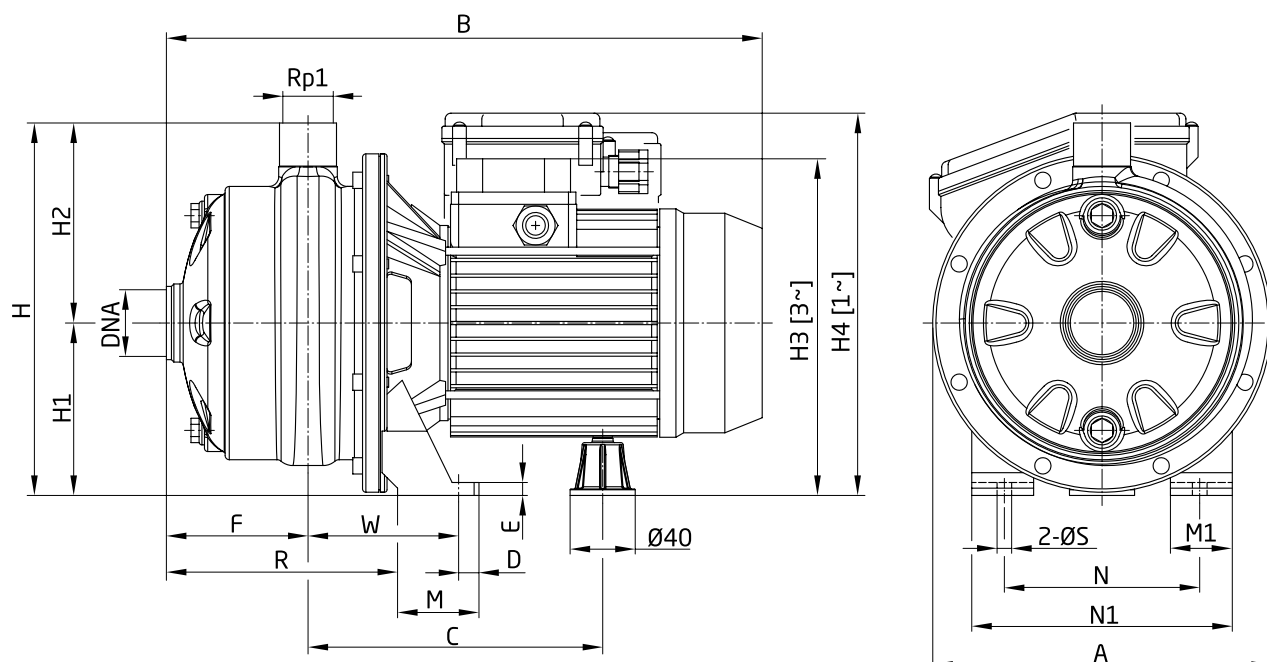


Type	A	B 3~/1~	C	H	H1	H2	H3	H4	M	M1	N	N1	R	W	DNA Rp
VGX 7/5	208	320/321	181	229.5	106	123.5	207	216	50	38	120	160	108	92.5	1 ¼
VGX 7/7	208	320/321	181	229.5	106	123.5	207	216	50	38	120	160	108	92.5	1 ¼
VGX 9/10	208	320/321	198.5	229.5	106	123.5	207	216	50	38	120	160	108	92.5	1 ¼
VGX 12/7	208	320/321	198.5	229.5	106	123.5	207	216	50	38	120	160	108	92.5	1 ¼
VGX 12/12	208	332/321	198.5	229.5	106	123.5	207	235	50	38	120	160	108	92.5	1 ¼
VGX 12/20	232	371.5/371.5	198.5	250	118	132	237	248.5	55	40	140	180	105.5	95	1 ¼
VGX 20/12	208	332/321	181	229.5	106	123.5	207	235	50	38	120	160	108	92.5	1 ½
VGX 20/20	208	371.5/371.5	198.5	229.5	106	123.5	225	236.5	55	40	140	180	105.5	95	1 ½
VGX 20/25	232	371.5/-	198.5	250	118	132	237	--	55	40	140	180	105.5	95	1 ½



Dimensions

2 VGX



Horizontal pumps

Type	A	B 3~/1~	C	D	E	F	H	H1	H2	H3	H4	M	M1	N	N1	R	W	S	DNA Rp
2 VGX 7/10	208	354/355	181	12.5	8	87	229	106	123	209	216	50	38	120	160	142	92,5	9	1 ¼
2 VGX 7/12	210	366/355	181	12.5	8	87	229	106	123	209	235	50	38	120	160	142	92,5	9	1 ¼
2 VGX 7/15	232	407/395.5	198.5	12.5	8	89	250	118	132	235	248.5	55	40	140	180	141.5	95	9	1 ¼
2 VGX 7/20	232	407.5/382.5	198.5	12.5	8	89	250	118	132	235	248.5	55	40	140	180	141.5	95	9	1 ¼
2 VGX 12/15	210	407/395.5	198.5	12.5	8	89	229	106	123	223	236.5	55	40	140	180	141.5	95	9	1 ¼
2 VGX 12/20	210	407.5/382.5	198.5	12.5	8	89	229	106	123	223	236.5	55	40	140	180	141.5	95	9	1 ¼
2 VGX 12/30	232	405/-	198.5	12.5	10	87	250	118	132	240	-	65	40	140	180	143.5	109	9	1 ¼
2 VGX 12/40	232	458/-	234.5	12.5	10	87	250	118	132	240	-	65	40	140	180	143.5	109	9	1 ¼
2 VGX 20/30	208	458/-	234.5	12.5	10	87	229	106	123	240	-	65	40	140	180	143.5	109	9	1 ½
2 VGX 20/40	232	458/-	234.5	12.5	10	87	250	118	132	240	-	65	40	140	180	143.5	109	9	1 ½
2 VGX 20/50	232	481/-	232.5	16	12	87	250	118	132	252	-	68	50	160	210	143.5	108.5	12	1 ½