

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 classIP 55
 Class of insulation.....F
 Voltage.....1~ 230 V ± 10 %
 built in overload protection
 Voltage.....3~ 400/230 V ± 10 %
 Motor speed2850 rpm
 Frequency50 Hz

Technical data

Flow rate..... Q up to max. 15 m³/h
 Total dynamic head H up to max. 75 m
 Fluid temperature..... t from -10 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

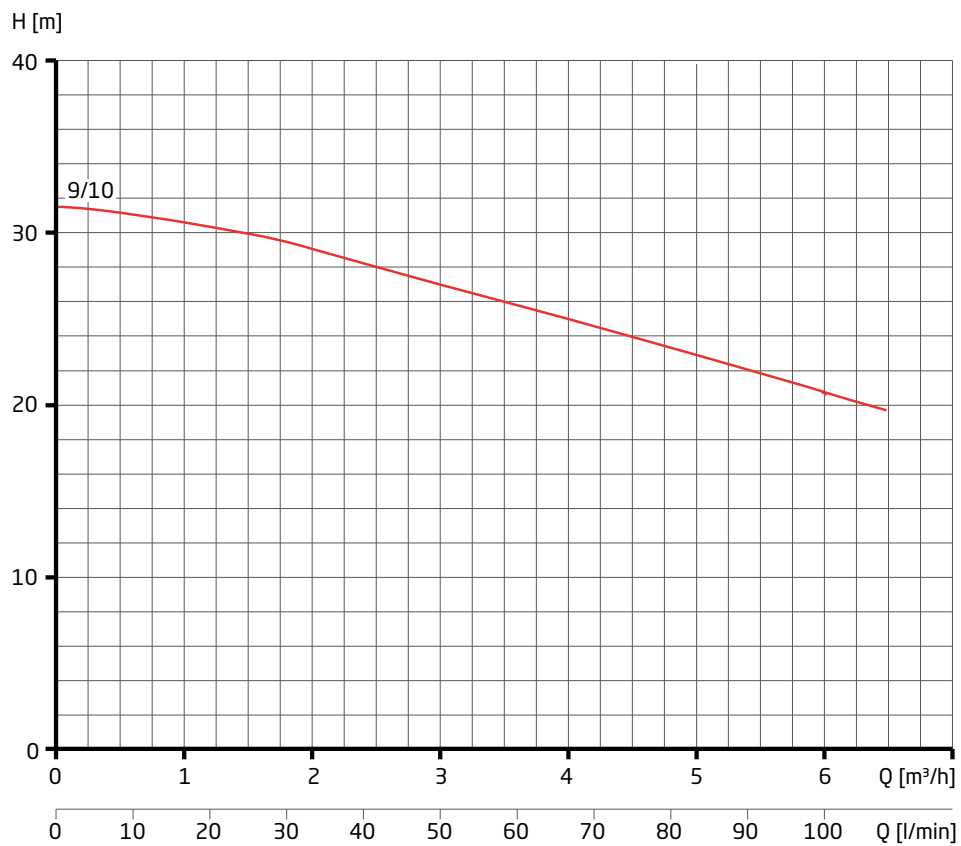
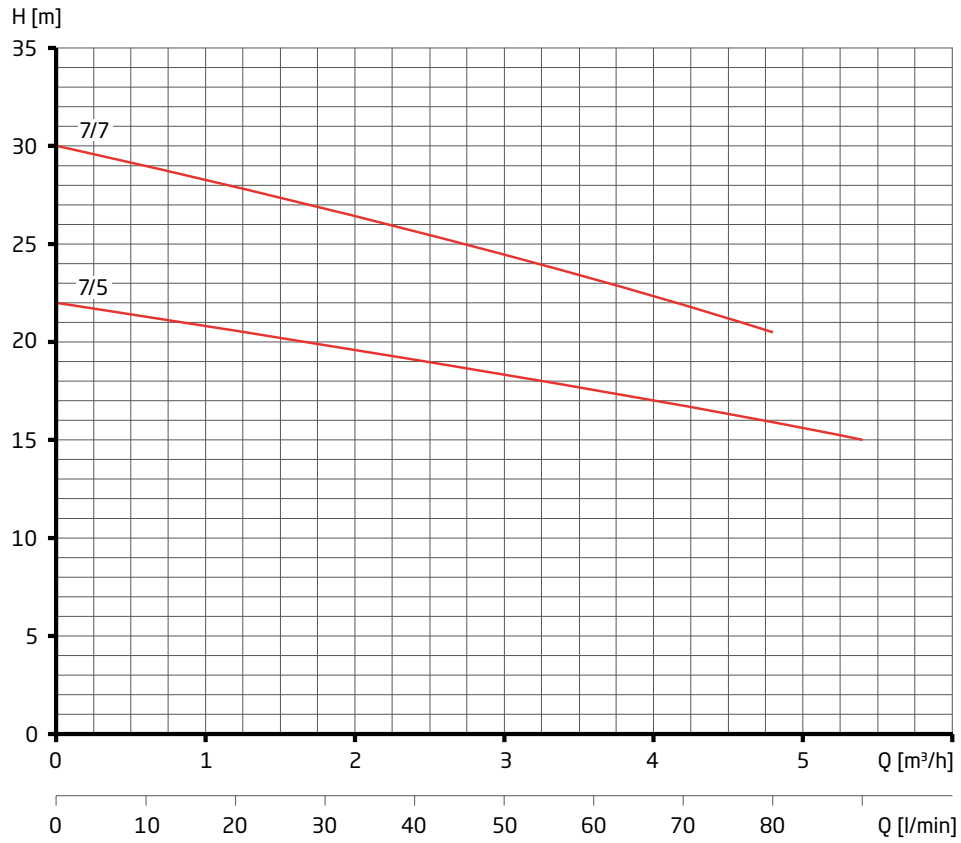
2 VGX 12/30
 VGX..... 1 stage pump type
 2 VGX..... 2 stage pump type
 12/30..... pump size

Special editions

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



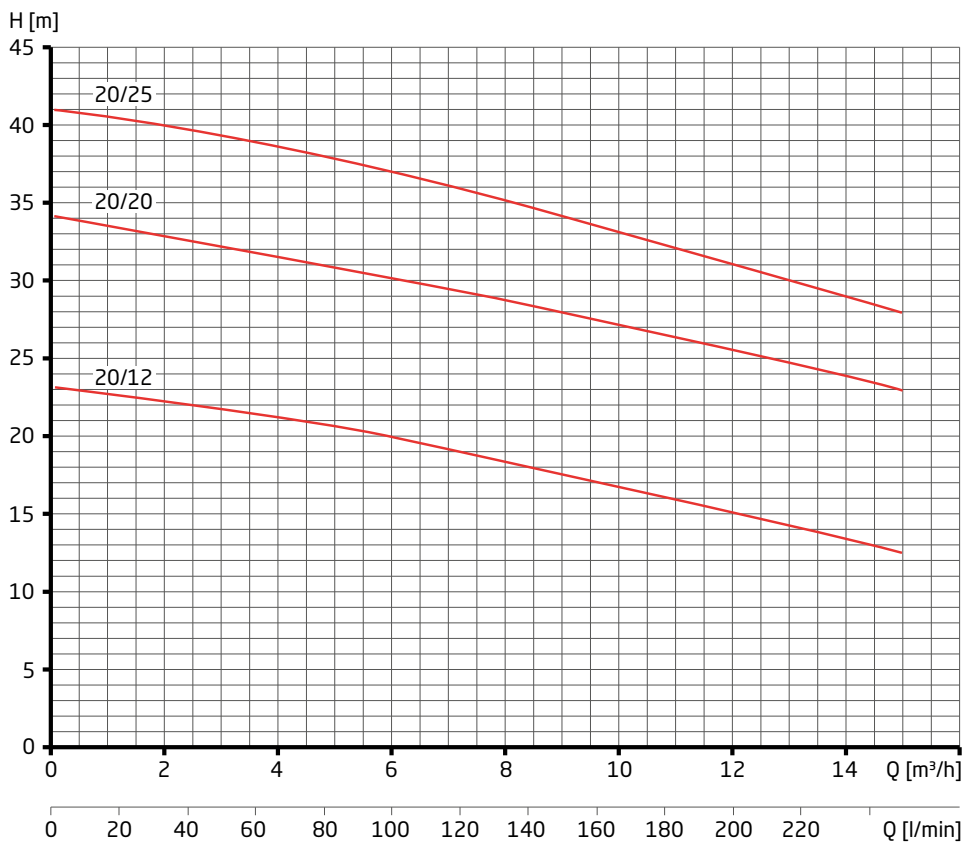
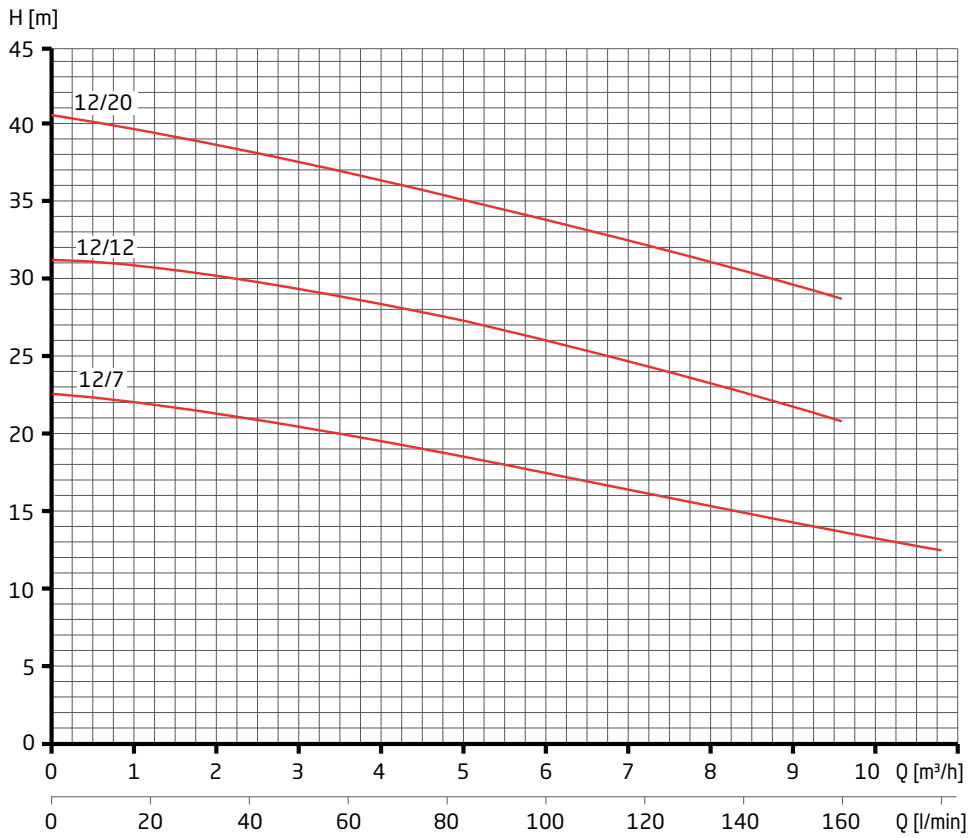
Characteristics



VGX



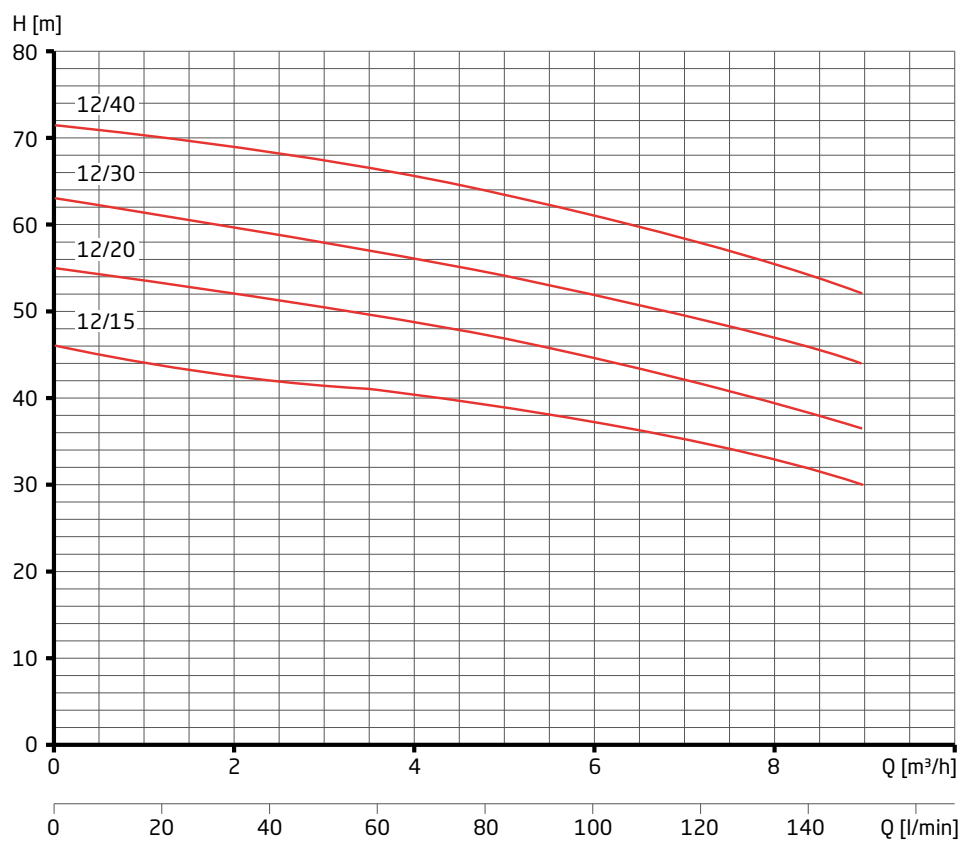
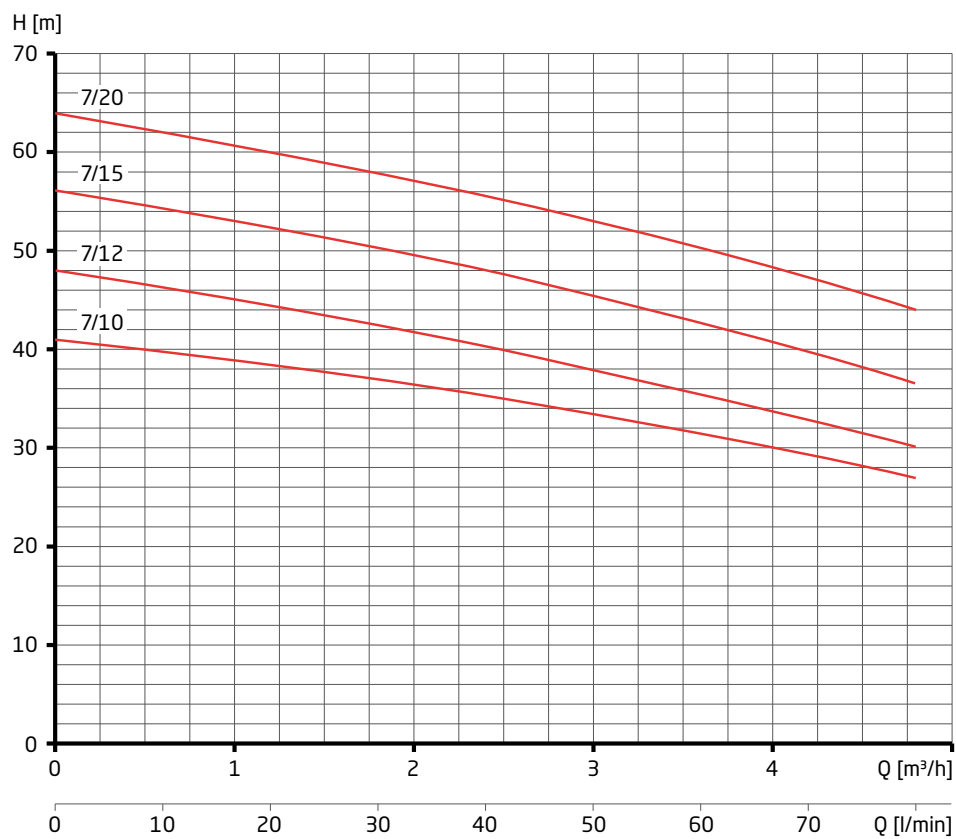
Characteristics



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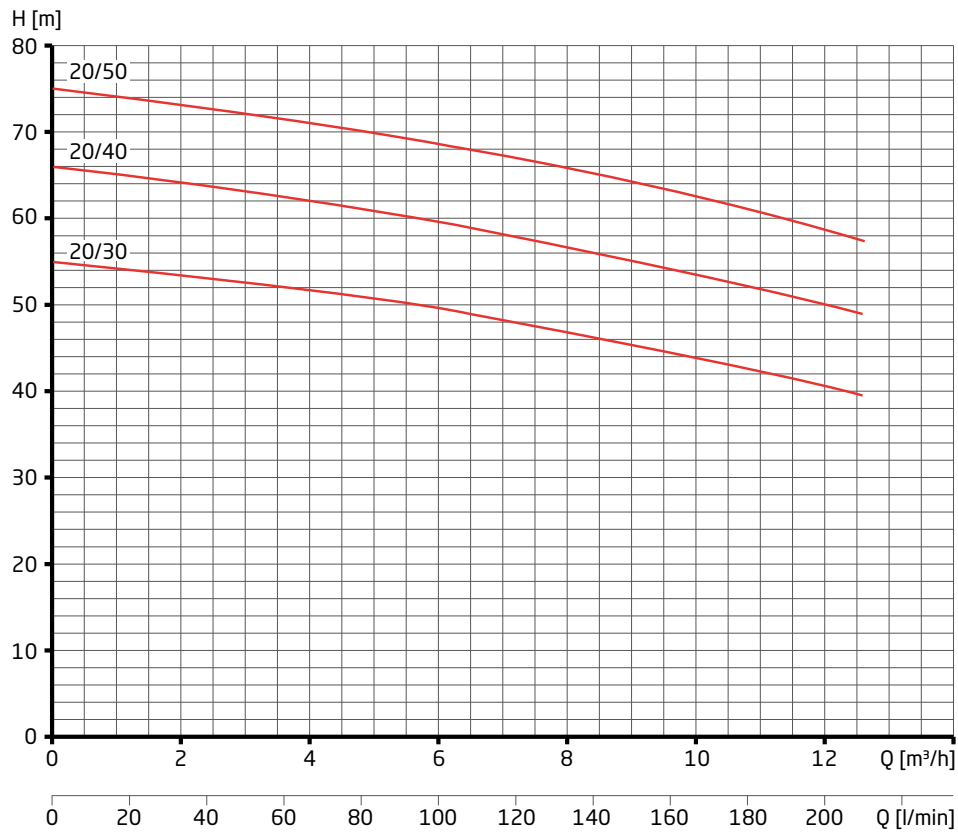
Characteristics



2 VGX



Characteristics



VGX/2 VGX



Technical data

Type	Inlet connection (Rp)	Outlet connection (Rp)	Power output P _z (kW)	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	1.40/2.40	3.40	9.10/9.10
VGX 7/7	1 ¼	1	0.55	2.00/3.50	5.00	10.40/10.40
VGX 9/10	1 ¼	1	0.75	1.70/3.00	5.60	11.90/11.90
VGX 12/7	1 ¼	1	0.55	1.85/3.20	4.60	10.40/10.40
VGX 12/12	1 ¼	1	0.90	2.50/4.30	6.90	12.50/12.50
VGX 12/20	1 ¼	1	1.50	4.10/7.10	9.30	17.20/17.20
VGX 20/12	1 ½	1	0.90	2.50/4.30	6.30	16.30/16.30
VGX 20/20	1 ½	1	1.50	4.10/7.10	10.20	15.30/15.30
VGX 20/25	1 ½	1	1.80	4.70/8.20	-	17.00/-
2 VGX 7/10	1 ¼	1	0.75	1.70/3.00	6.00	12.60/12.60
2 VGX 7/12	1 ¼	1	0.90	2.50/4.30	7.00	13.70/13.70
2 VGX 7/15	1 ¼	1	1.10	3.30/5.80	8.10	17.00/17.00
2 VGX 7/20	1 ¼	1	1.50	4.10/7.10	10.00	20.10/19.20
2 VGX 12/15	1 ¼	1	1.10	3.30/5.80	8.30	15.60/15.60
2 VGX 12/20	1 ¼	1	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/-

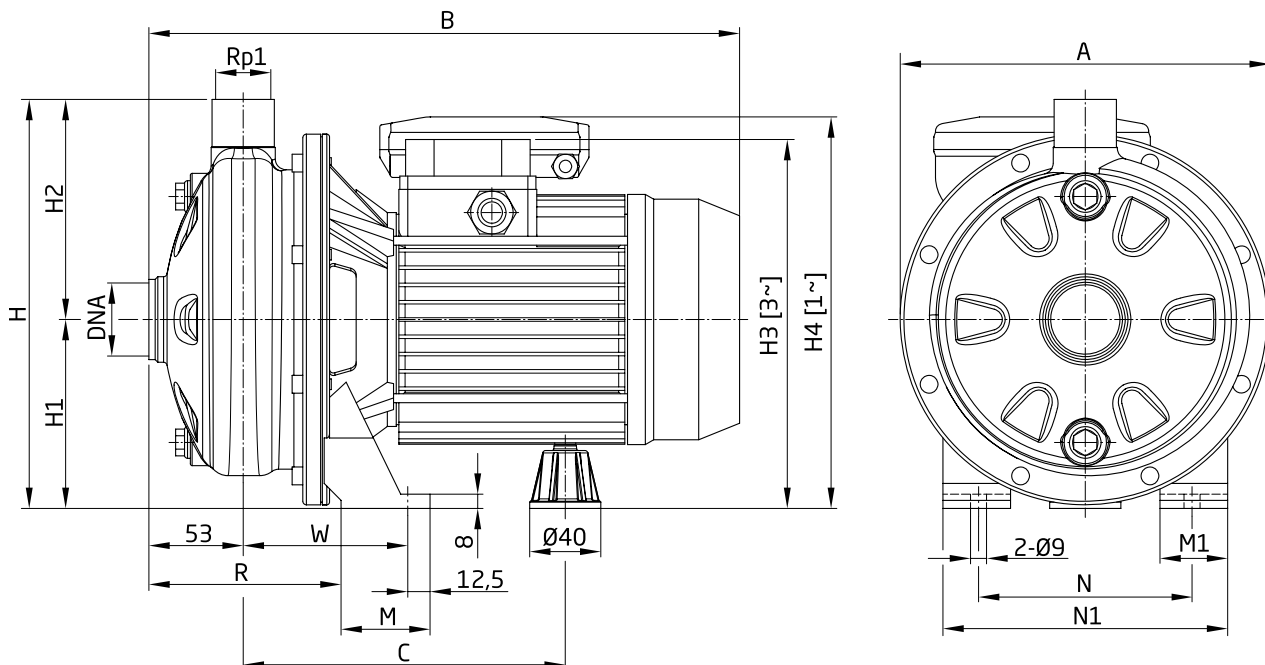
Order information

Type	Three-phase 3~ 400/230 V article no.	Single phase 1~ 230 V article no.
VGX 7/5	641.1100.137A	641.1100.138A
VGX 7/7	641.1101.137A	641.1101.138A
VGX 9/10	641.1202.137A	641.1202.138A
VGX 12/7	641.1301.137A	641.1301.138A
VGX 12/12	641.1303.137A	641.1303.138A
VGX 12/20	641.1305.137A	641.1305.138A
VGX 20/12	641.1403.137A	641.1403.138A
VGX 20/20	641.1405.137A	641.1405.138A
VGX 20/25	641.1406.137A	
2 VGX 7/10	641.2102.137A	641.2102.138A
2 VGX 7/12	641.2103.137A	641.2103.138A
2 VGX 7/15	641.2104.137A	641.2104.138A
2 VGX 7/20	641.2105.137A	641.2105.138A
2 VGX 12/15	641.2304.137A	641.2304.138A
2 VGX 12/20	641.2305.137A	641.2305.138A
2 VGX 12/30	641.2307.137A	
2 VGX 12/40	641.2308.137A	
2 VGX 20/30	641.2407.137A	
2 VGX 20/40	641.2408.137A	
2 VGX 20/50	641.2409.137A	

VGX



Dimensions

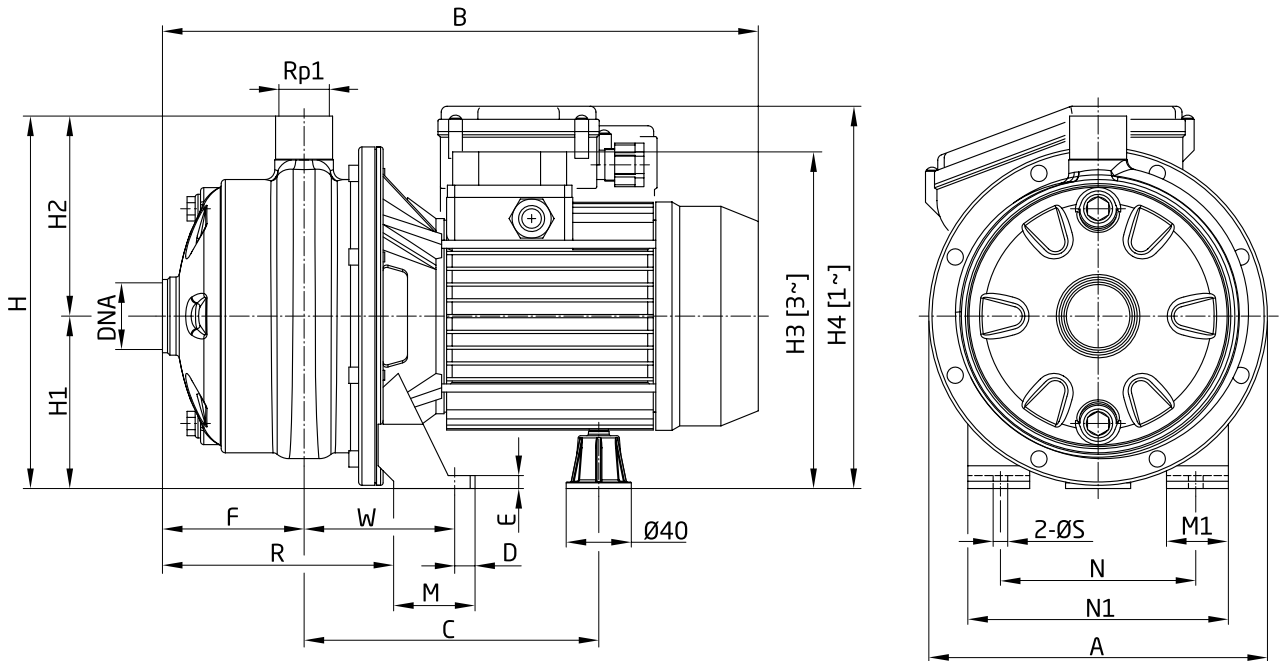


Type	A	B 3~/1~	C	H	H1	H2	H3	H4	M	M1	N	N1	R	W	DNA Rp
VGX 7/5	208	320/321	181	229.5	106	123.5	207	216	50	38	120	160	108	92.5	1 ¼
VGX 7/7	208	320/321	181	229.5	106	123.5	207	216	50	38	120	160	108	92.5	1 ¼
VGX 9/10	208	320/321	198.5	229.5	106	123.5	207	216	50	38	120	160	108	92.5	1 ¼
VGX 12/7	208	320/321	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	371.5/346.5	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	371.5/346.5	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

2 VGX



Dimensions



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