



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 %
Spedd: 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. 27 m³/h
Total dynamic head: H up to max. 105 m
Fluid temperature: t from -15 to max. 85 °C
Operating pressure: p up to max. 10 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 304
Seal mount: stainless steal AISI 304
Engine mount: die cast aluminium
Elastomers: EPDM
Mechanical seal: carbon/ceramic

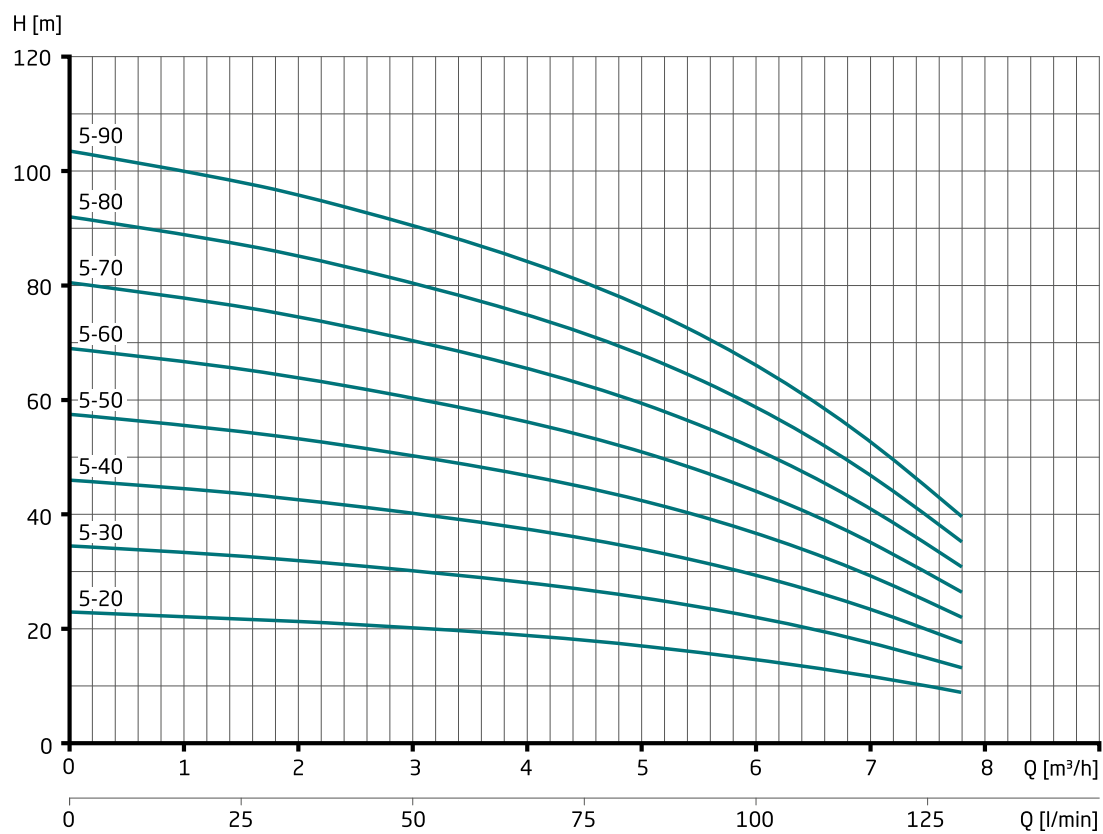
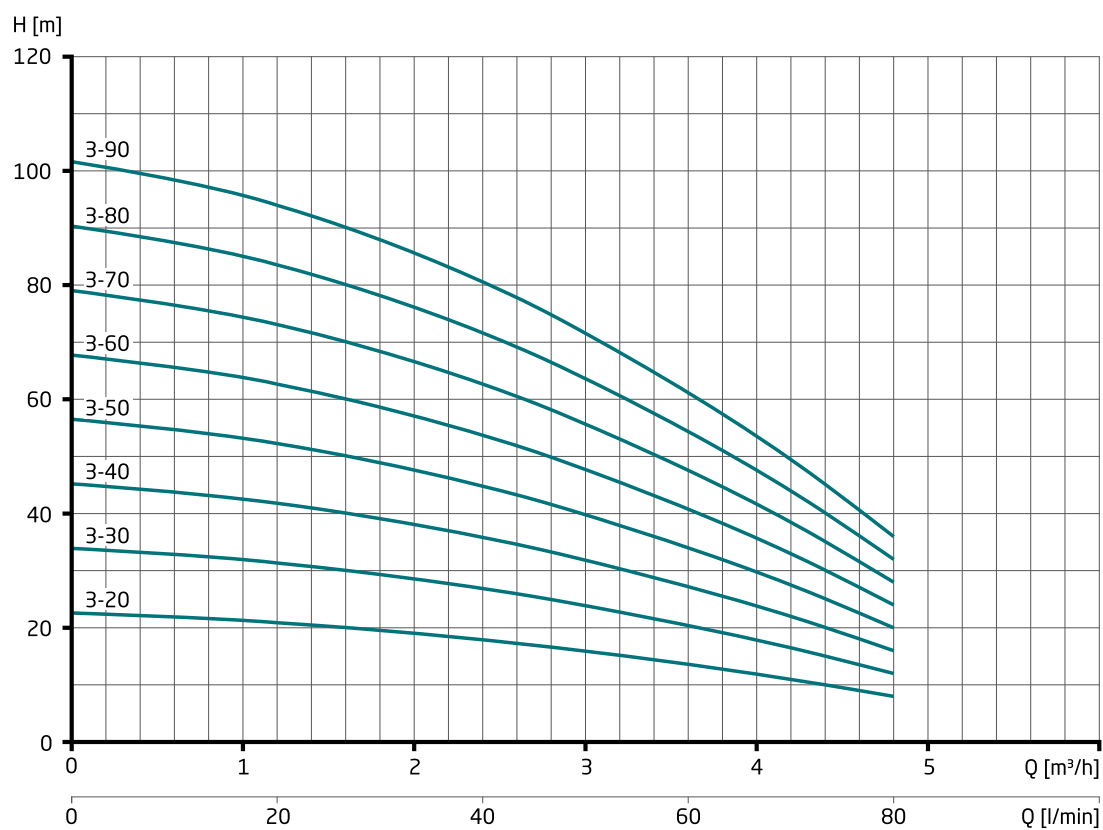
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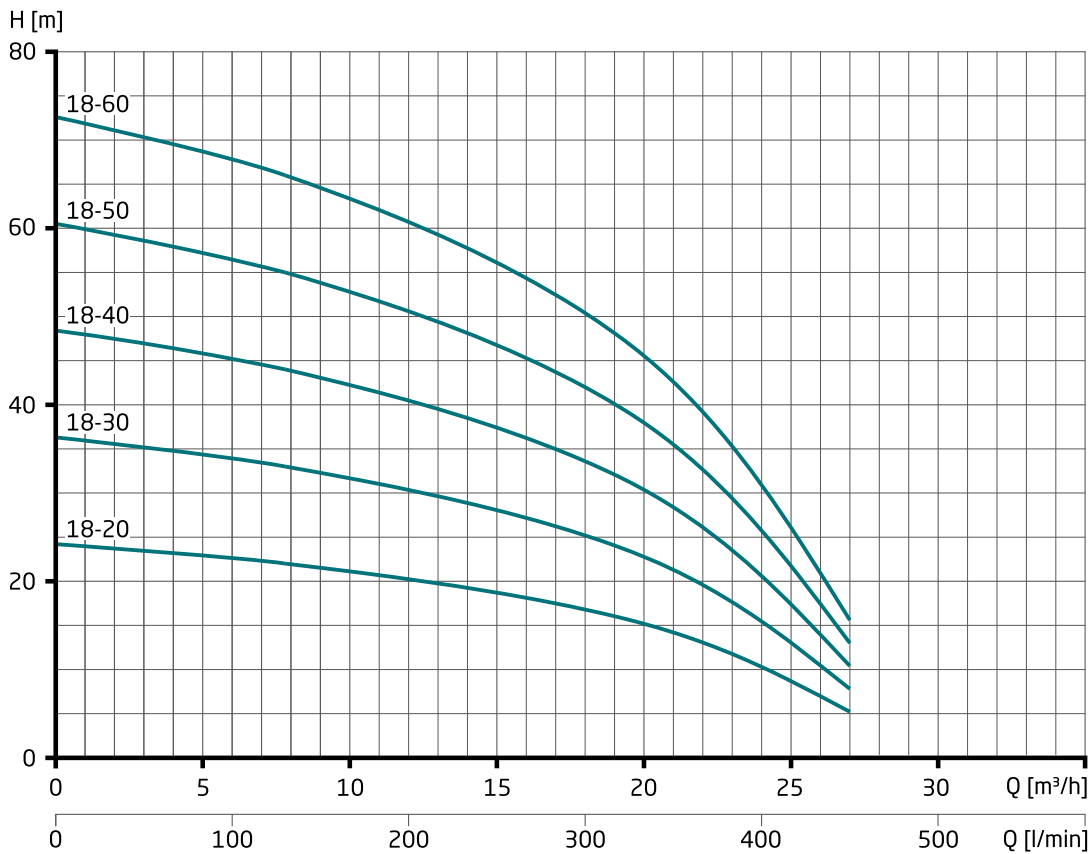
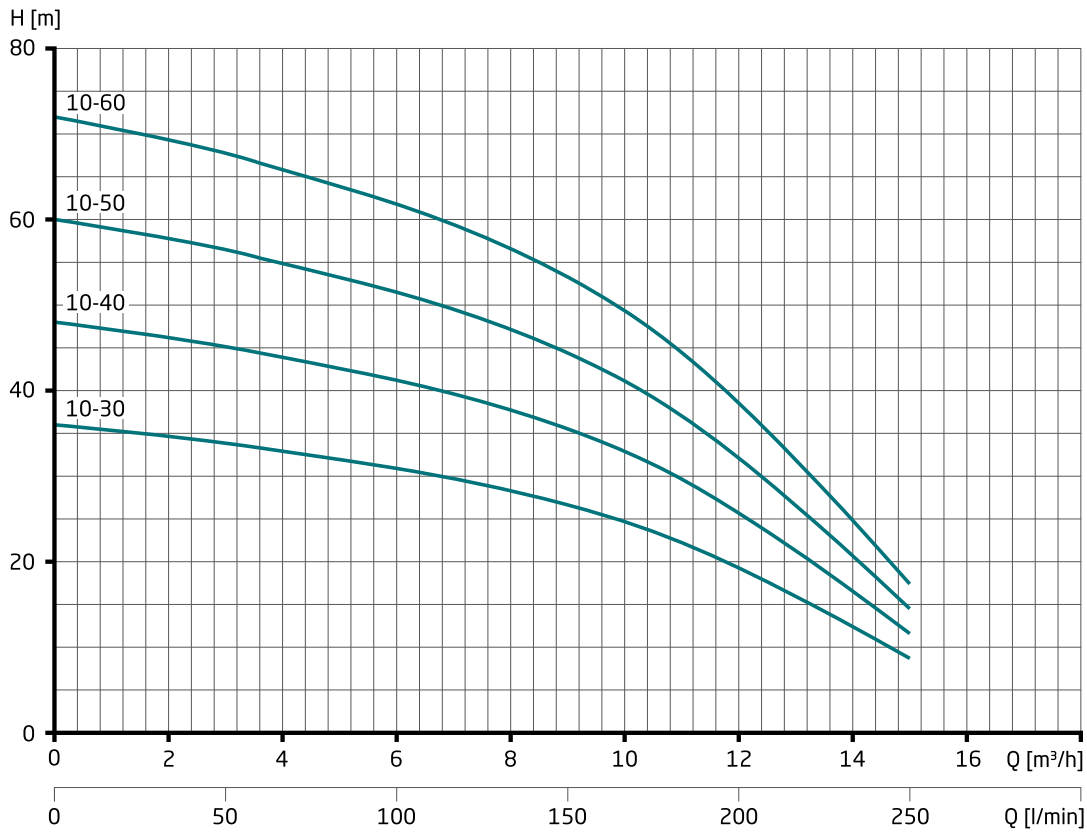
MTX 5-60

MTX: pump type
5: pump size
60: number of stages x 10



Characteristics







Technical data

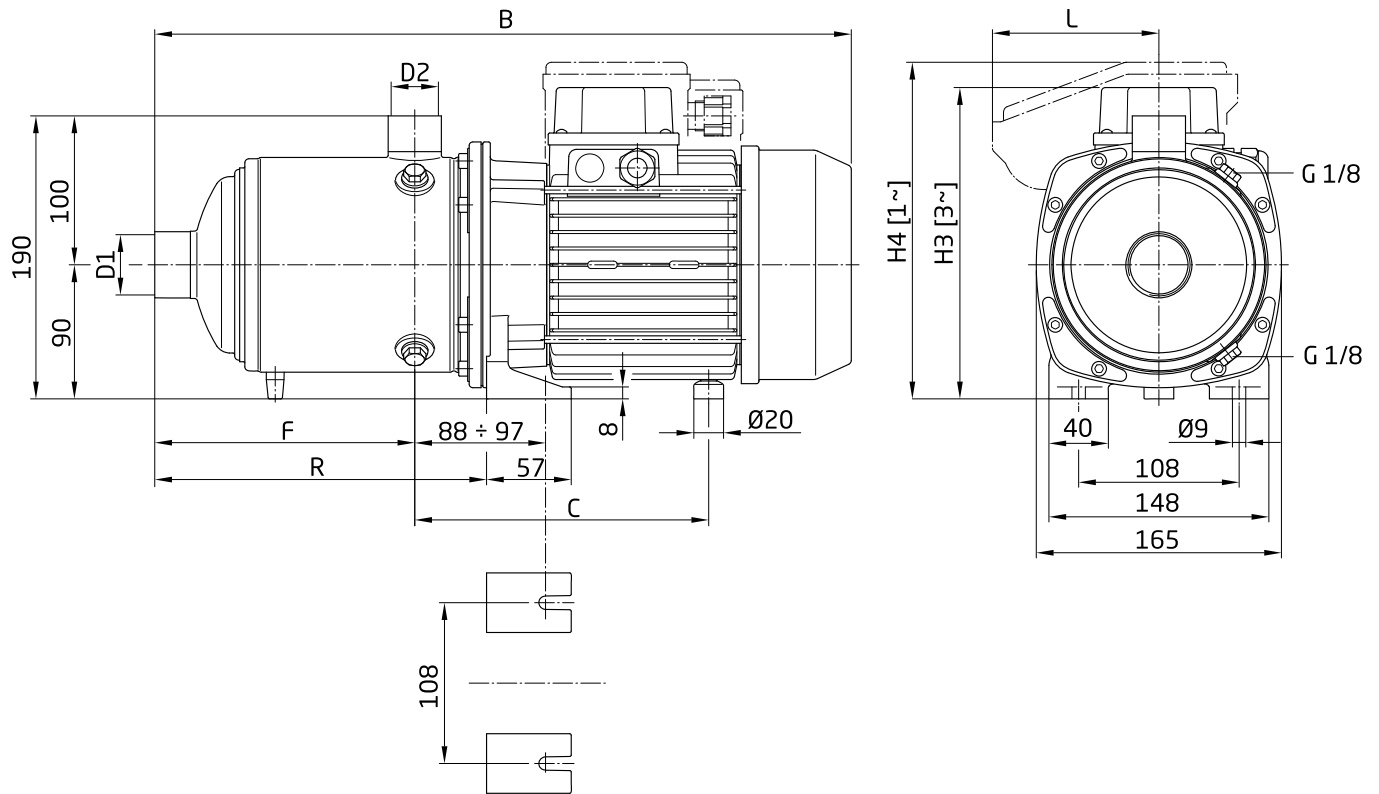
Type	Inlet connection (Rp)	Outlet connection (R)	Power output P ₂ (kW)	Rated current (A) 3~ Y/Δ 400/230 V	Rated current (A) 1~ 230 V	Weight (kg) 3~/1~
MTX 3-20	1	1	0.45	1.30/2.30	3.00	8.50/9.00
MTX 3-30	1	1	0.65	1.60/2.80	4.20	9.90/10.20
MTX 3-40	1	1	0.65	1.60/2.80	4.20	10.90/10.90
MTX 3-50	1	1	0.75	1.70/3.00	5.20	12.40/12.70
MTX 3-60	1	1	0.90	2.50/4.30	5.50	13.60/14.20
MTX 3-70	1	1	1.30	3.30/5.80	7.50	17.90/18.00
MTX 3-80	1	1	1.30	3.30/5.80	7.50	18.70/18.50
MTX 3-90	1	1	1.50	3.80/6.60	8.50	20.90/20.50
MTX 5-20	1 ¼	1	0.45	1.30/2.30	3.20	8.50/9.00
MTX 5-30	1 ¼	1	0.65	1.60/2.80	4.50	9.90/10.20
MTX 5-40	1 ¼	1	0.90	2.50/4.30	5.70	12.40/12.70
MTX 5-50	1 ¼	1	1.30	3.30/5.80	7.50	16.70/17.00
MTX 5-60	1 ¼	1	1.30	3.30/5.80	7.50	17.10/17.60
MTX 5-70	1 ¼	1	1.50	3.80/6.60	8.50	19.60/18.70
MTX 5-80	1 ¼	1	2.20	4.70/8.20	12.30	19.60/27.00
MTX 5-90	1 ¼	1	2.20	4.70/8.20	12.30	19.70/27.50
MTX 10-30	1 ½	1 ¼	1.30	3.30/5.80	7.50	14.50/15.00
MTX 10-40	1 ½	1 ¼	1.50	3.80/6.60	8.50	18.20/16.40
MTX 10-50	1 ½	1 ¼	2.20	4.70/8.20	12.30	18.80/22.00
MTX 10-60	1 ½	1 ¼	2.20	4.70/8.20	12.30	19.20/27.10
MTX 18-20	2	1 ½	1.50	3.80/6.60	8.50	17.10/17.50
MTX 18-30	2	1 ½	2.20	4.70/8.20	12.30	18.10/25.70
MTX 18-40	2	1 ½	3.00	6.40/11.10	-	23.80/-
MTX 18-50	2	1 ½	4.00	8.70/15.10	-	33.20/-
MTX 18-60	2	1 ½	4.00	8.70/15.10	-	34.20/-

Order information

Type	Three phase 3~ 400/230 V Article no.	Net RRP	Gross RRP
MTX 3-20	644.0302.067A	389.76 €	463.81 €
MTX 3-30	644.0303.067A	414.53 €	493.29 €
MTX 3-40	644.0304.067A	468.35 €	557.34 €
MTX 3-50	644.0305.067A	515.73 €	613.72 €
MTX 3-60	644.0306.067A	586.79 €	698.28 €
MTX 3-70	644.0307.067A	732.14 €	871.25 €
MTX 3-80	644.0308.067A	774.14 €	921.23 €
MTX 3-90	644.0309.067A	820.44 €	976.32 €
MTX 5-20	644.0502.067A	430.66 €	512.49 €
MTX 5-30	644.0503.067A	467.30 €	556.09 €
MTX 5-40	644.0504.067A	559.86 €	666.23 €
MTX 5-50	644.0505.067A	643.85 €	766.18 €
MTX 5-60	644.0506.067A	684.75 €	814.85 €
MTX 5-70	644.0507.067A	748.27 €	890.44 €
MTX 5-80	644.0508.067A	878.56 €	1,045.49 €
MTX 5-90	644.0509.067A	918.41 €	1,092.91 €
MTX 10-30	644.1003.067A	774.14 €	921.23 €
MTX 10-40	644.1004.067A	853.79 €	1,016.01 €
MTX 10-50	644.1005.067A	886.11 €	1,054.47 €
MTX 10-60	644.1006.067A	941.01 €	1,119.80 €
MTX 18-20	644.1802.067A	900.10 €	1,071.12 €
MTX 18-30	644.1803.067A	964.70 €	1,147.99 €
MTX 18-40	644.1804.067A	1,120.81 €	1,333.76 €
MTX 18-50	644.1805.067A	1,171.44 €	1,394.01 €
MTX 18-60	644.1806.067A	1,239.26 €	1,474.72 €

Type	Single phase 1~ 230 V Article no.	Net RRP	Gross RRP
MTX 3-20	644.0302.068A	412.37 €	490.72 €
MTX 3-30	644.0303.068A	433.91 €	516.35 €
MTX 3-40	644.0304.068A	488.81 €	581.68 €
MTX 3-50	644.0305.068A	520.02 €	618.82 €
MTX 3-60	644.0306.068A	587.85 €	699.54 €
MTX 3-70	644.0307.068A	730.00 €	868.70 €
MTX 3-80	644.0308.068A	770.90 €	917.37 €
MTX 3-90	644.0309.068A	815.04 €	969.90 €
MTX 5-20	644.0502.068A	460.81 €	548.36 €
MTX 5-30	644.0503.068A	488.81 €	581.68 €
MTX 5-40	644.0504.068A	565.27 €	672.67 €
MTX 5-50	644.0505.068A	647.07 €	770.01 €
MTX 5-60	644.0506.068A	683.69 €	813.59 €
MTX 5-70	644.0507.068A	748.27 €	890.44 €
MTX 5-80	644.0508.068A	872.11 €	1,037.81 €
MTX 5-90	644.0509.068A	910.86 €	1,083.92 €
MTX 10-30	644.1003.068A	770.90 €	917.37 €
MTX 10-40	644.1004.068A	847.34 €	1,008.33 €
MTX 10-50	644.1005.068A	880.71 €	1,048.04 €
MTX 10-60	644.1006.068A	936.70 €	1,114.67 €
MTX 18-20	644.1802.068A	893.64 €	1,063.43 €
MTX 18-30	644.1803.068A	959.32 €	1,141.59 €

Dimensions



Type	D1	D2	B	C	F	H3	H4	L	R
MTX 3-20 1~	Rp 1	Rp 1	360	171	103	-	200	86.5	151.5
MTX 3-20 3~	Rp 1	Rp 1	360	171	103	192	-	-	151.5
MTX 3-30 1~	Rp 1	Rp 1	360	171	103	-	200	86.5	151.5
MTX 3-30 3~	Rp 1	Rp 1	360	171	103	192	-	-	151.5
MTX 3-40 1~	Rp 1	Rp 1	384	171	127	-	200	86.5	175.5
MTX 3-40 3~	Rp 1	Rp 1	384	171	127	192	-	-	175.5
MTX 3-50 1~	Rp 1	Rp 1	408	171	151	-	200	86.5	199.5
MTX 3-50 3~	Rp 1	Rp 1	408	171	151	192	-	-	199.5
MTX 3-60 1~	Rp 1	Rp 1	432	171	175	-	219	106	223.5
MTX 3-60 3~	Rp 1	Rp 1	444	171	175	192	-	-	223.5
MTX 3-70 1~	Rp 1	Rp 1	518	198	199	-	226	112	247.5
MTX 3-70 3~	Rp 1	Rp 1	518	198	199	209	-	-	247.5
MTX 3-80 1~	Rp 1	Rp 1	542	198	223	-	226	112	271.5
MTX 3-80 3~	Rp 1	Rp 1	542	198	223	209	-	-	271.5
MTX 3-90 1~	Rp 1	Rp 1	566	198	247	-	226	112	295.5
MTX 3-90 3~	Rp 1	Rp 1	567	198	247	209	-	-	295.5



Dimensions

Abb. 1/ Fig. 1

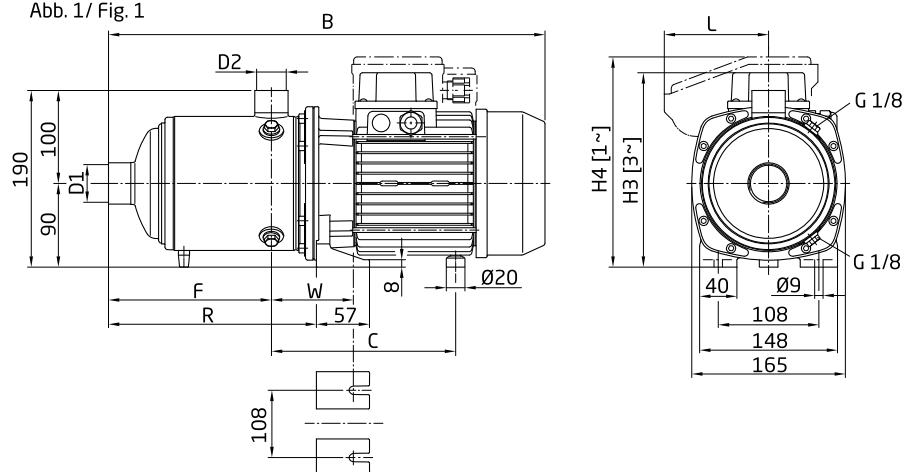


Abb. 2/ Fig. 2

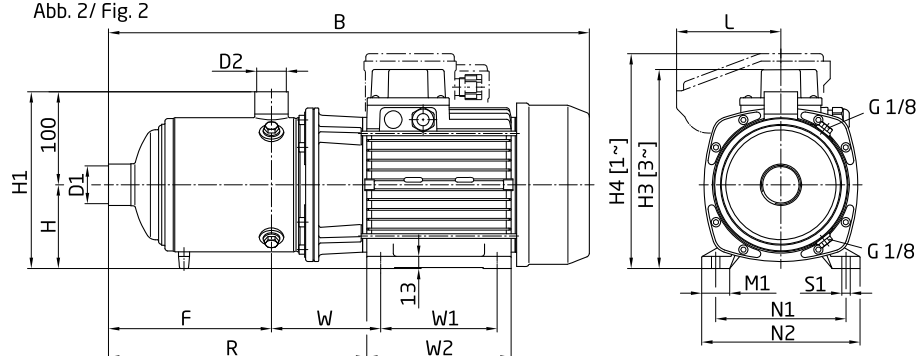


Figure 1

Type	D1	D2	B	C	F	H3	H4	L	R	W
MTX 5-20 1~	Rp 1 1/4	Rp 1	360	171	103	-	200	86,5	151.5	88-97
MTX 5-20 3~	Rp 1 1/4	Rp 1	360	171	103	192	-	-	151.5	88-97
MTX 5-30 1~	Rp 1 1/4	Rp 1	360	171	103	-	200	86,5	151.5	88-97
MTX 5-30 3~	Rp 1 1/4	Rp 1	360	171	103	192	-	-	151.5	88-97
MTX 5-40 1~	Rp 1 1/4	Rp 1	384	171	127	-	219	106	175.5	88-97
MTX 5-40 3~	Rp 1 1/4	Rp 1	396	171	127	192	-	-	175.5	88-97
MTX 5-50 1~	Rp 1 1/4	Rp 1	470	198	151	-	226	112	199.5	88-97
MTX 5-50 3~	Rp 1 1/4	Rp 1	470	198	151	209	-	-	199.5	88-97
MTX 5-60 1~	Rp 1 1/4	Rp 1	494	198	175	-	226	112	223.5	88-97
MTX 5-60 3~	Rp 1 1/4	Rp 1	494	198	175	209	-	-	223.5	88-97
MTX 5-70 1~	Rp 1 1/4	Rp 1	518	198	199	-	226	112	247.5	88-97
MTX 5-70 3~	Rp 1 1/4	Rp 1	518.5	198	199	209	-	-	247.5	88-97
MTX 5-80 1~	Rp 1 1/4	Rp 1	603	-	223	-	231	112	325.5	117.5
MTX 5-80 3~	Rp 1 1/4	Rp 1	542.5	198	223	209	-	-	271.5	88-97
MTX 5-90 1~	Rp 1 1/4	Rp 1	627	-	247	-	231	112	349.5	117.5
MTX 5-90 3~	Rp 1 1/4	Rp 1	566.5	198	247	209	-	-	295.5	88-97

Figure 2

Type	H	H1	W1	W2	M1	N1	N2	S1
MTX 5-80 1~	90	190	125	155	30	140	170	9
MTX 5-90 1~	90	190	125	155	30	140	170	9

Missing dimensions can be taken from the table "Figure 1".

Dimensions

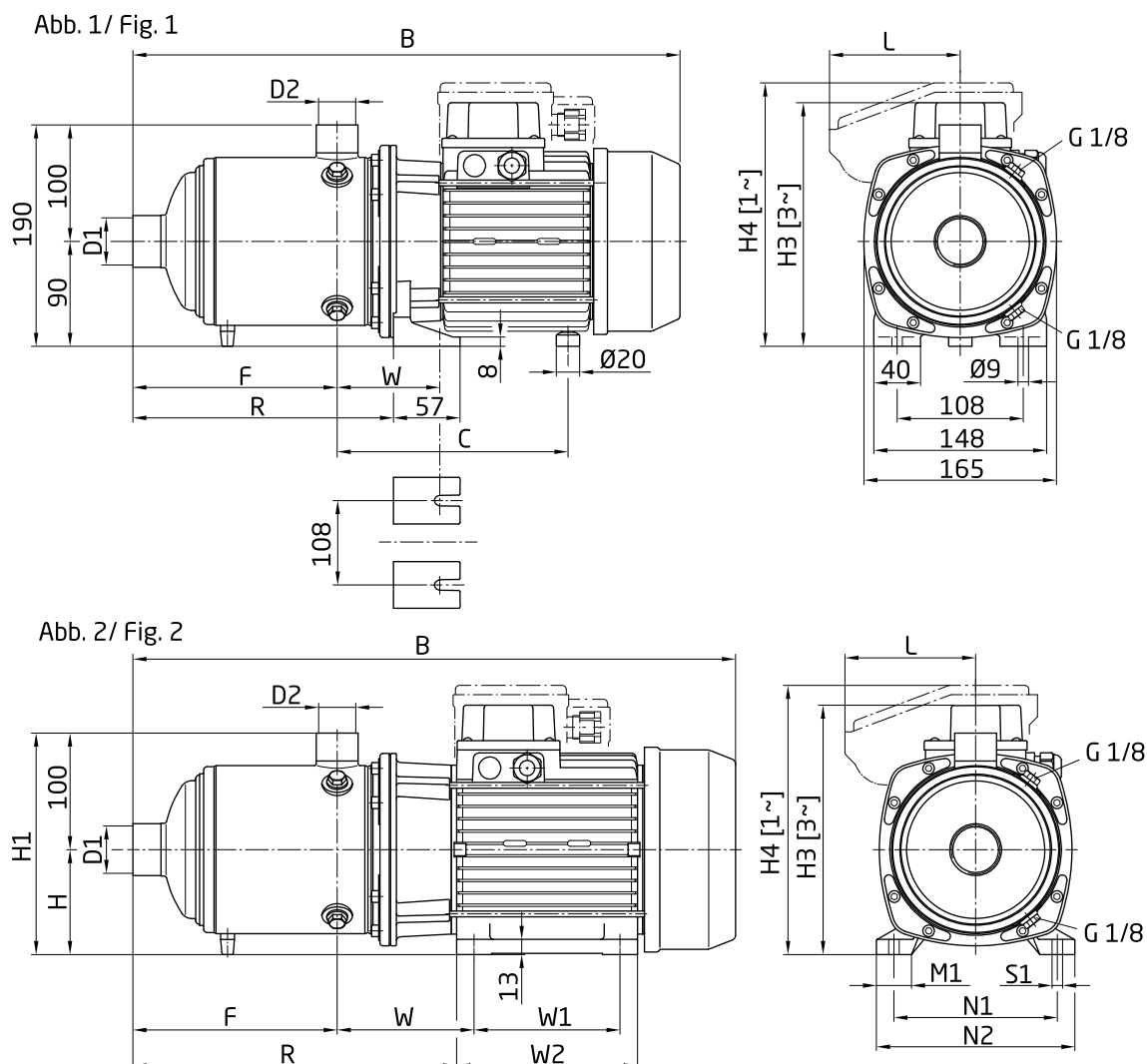


Figure 1

Type	D1	D2	B	C	F	H3	H4	L	R	W
MTX 10-20 1~	Rp 1 ½	Rp 1 ¼	379	175	118	-	200	86,5	170.5	92-101
MTX 10-20 3~	Rp 1 ½	Rp 1 ¼	379	175	118	192	-	-	170.5	92-101
MTX 10-30 1~	Rp 1 ½	Rp 1 ¼	441	202	118	-	226	112	170.5	92-101
MTX 10-30 3~	Rp 1 ½	Rp 1 ¼	441	202	118	209	-	-	170.5	92-101
MTX 10-40 1~	Rp 1 ½	Rp 1 ¼	471	202	148	-	226	112	200.5	92-101
MTX 10-40 3~	Rp 1 ½	Rp 1 ¼	471,5	202	148	209	-	-	200.5	92-101
MTX 10-50 1~	Rp 1 ½	Rp 1 ¼	562	-	178	-	231	112	284.5	121.5
MTX 10-50 3~	Rp 1 ½	Rp 1 ¼	501,5	202	178	209	-	-	230.5	92-101
MTX 10-60 1~	Rp 1 ½	Rp 1 ¼	592	-	208	-	231	112	314.5	121.5
MTX 10-60 3~	Rp 1 ½	Rp 1 ¼	531,5	202	208	209	-	-	260.5	92-101

Figure 2

Typ	H	H1	W1	W2	M1	N1	N2	S1
MTX 10-50 1~	90	190	125	155	30	140	170	9
MTX 10-60 1~	90	190	125	155	30	140	170	9

Missing dimensions can be taken from the table "Figure 1".



Dimensions

Abb. 1/ Fig. 1

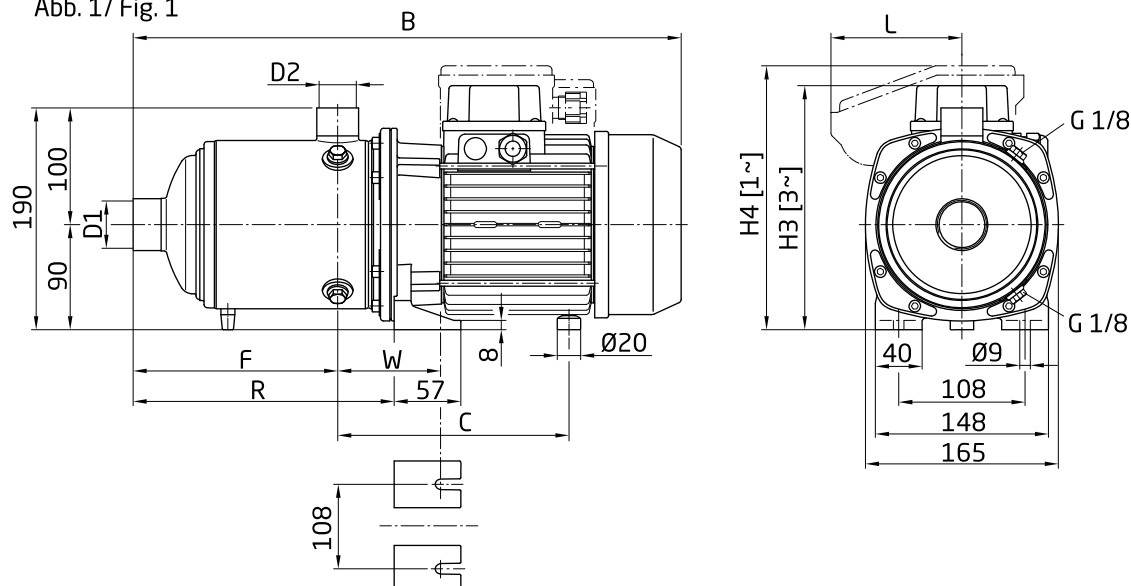


Abb. 2/ Fig. 2

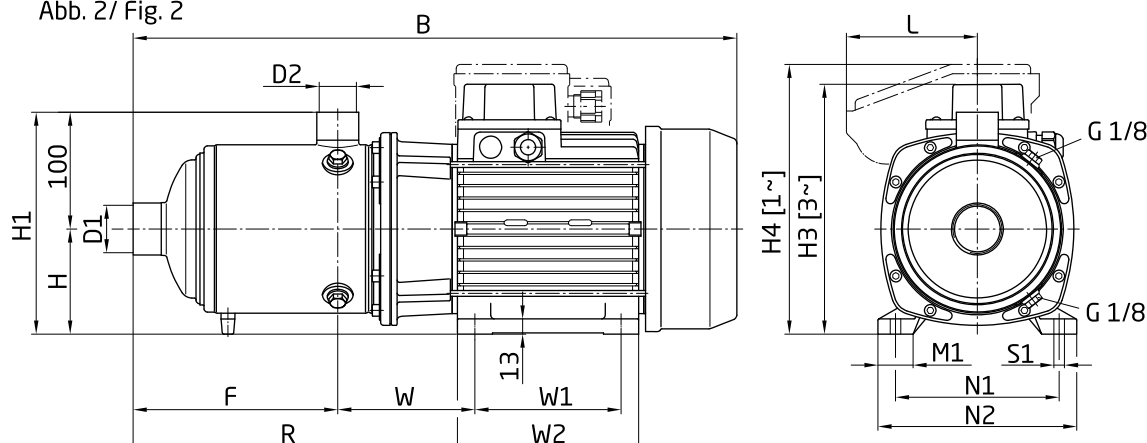


Figure 1

Typ	D1	D2	B	C	F	H3	H4	L	R	W
MTX 18-20 1~	Rp 2	Rp 1 ½	467	205	141	-	226	112	196,5	95-104
MTX 18-20 3~	Rp 2	Rp 1 ½	467,5	205	141	209	-	-	196,5	95-104
MTX 18-30 1~	Rp 2	Rp 1 ½	528	-	141	-	231	112	250,5	124,5
MTX 18-30 3~	Rp 2	Rp 1 ½	467,5	205	141	209	-	-	196,5	95-104
MTX 18-40 3~	Rp 2	Rp 1 ½	565	-	178,5	214	-	-	288	124,5
MTX 18-50 3~	Rp 2	Rp 1 ½	615	-	216	241	-	-	315	114
MTX 18-60 3~	Rp 2	Rp 1 ½	652	-	253,5	241	-	-	352,5	114

Figure 2

Typ	H	H1	W1	W2	M1	N1	N2	S1
MTX 18-30 1~	90	190	125	155	30	140	170	9
MTX 18-40 3~	90	190	125	155	30	140	170	9
MTX 18-50 3~	100	200	140	170	35	160	192	11
MTX 18-60 3~	100	200	140	170	35	160	192	11

Missing dimensions can be taken from the table "Figure 1".