



APPLICATIONS

- Clean water
- Domestic
- Civil
- Industrial

DESCRIPTION

- Stainless steel 304 standard pump design
- All wetted parts are in stainless steel 304
- Available with square or round motor
- Stainless steel AISI 316 available on request
- Back pull-out design: no need to remove the pipes
- Quality bearing, wear-resistant mechanical seal
- Suitable for some impure liquids

OPERATING LIMITS

- Liquid temperature between -10 °C and +120 °C
- Ambient temperature between 0 °C and +50 °C
- Max. working pressure 16 bar / Continuous duty S1

PRODUCT NOMENCLATURE

Example: 3M 32-200/5.5

3M

Stainless steel
standard pump

32

Discharge size
(mm)

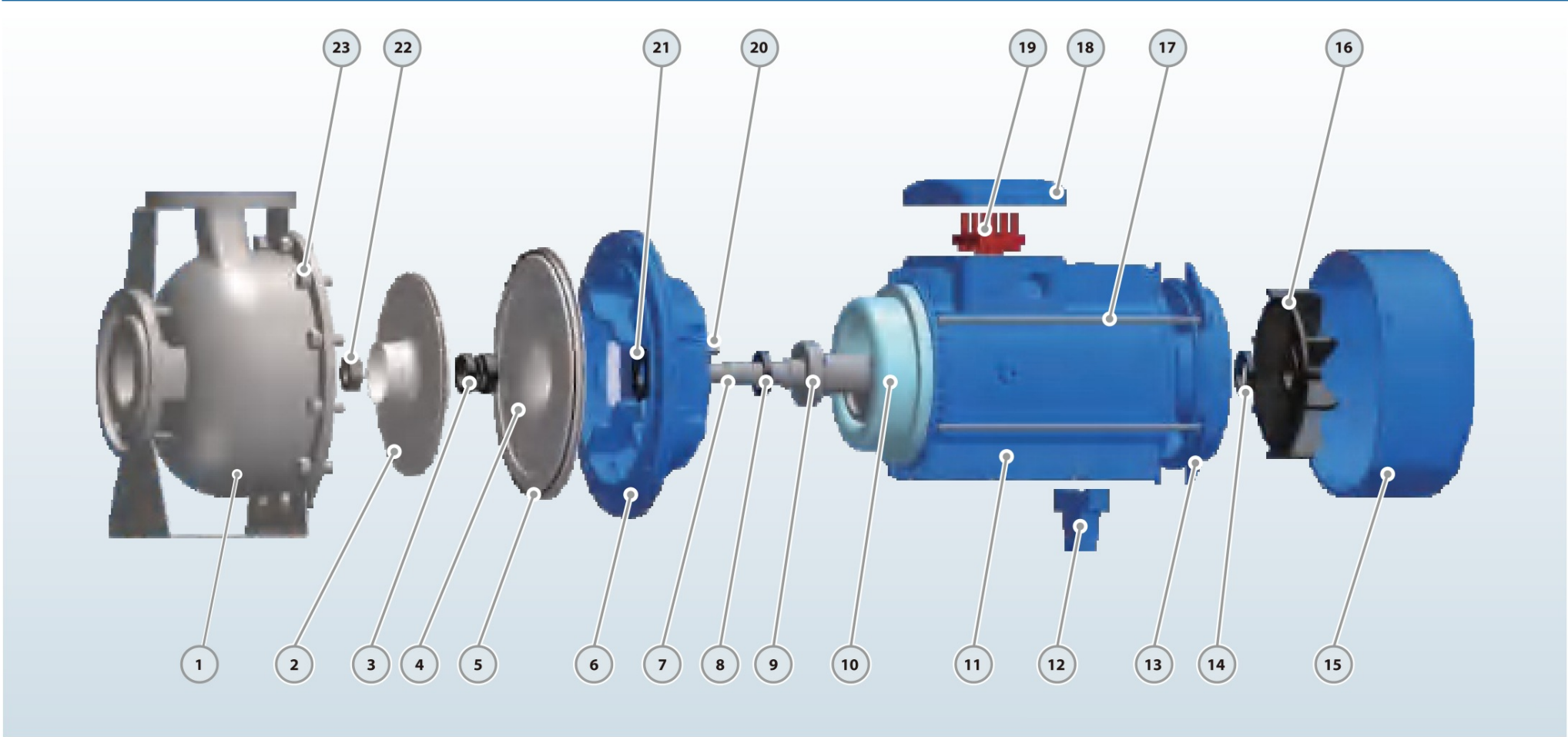
200

Nominal impeller
size (mm)

5.5

Rated power
(kW)

CONSTRUCTION AND MATERIALS



No.	COMPONENT	MATERIAL
1	Pump casing	SS304
2	Impeller	SS304
3	Mechanical seal	SiC/Carbon/SS304
4	Baffle plate	SS304
5	O-ring	Rubber
6	Connection	Cast iron
7	Shaft	SS304
8	Reinforced seal	Rubber

No.	COMPONENT	MATERIAL
9	Bearing	Ball bearing
10	Wound stator/rotor	Silicon/Copper
11	Motor housing	Aluminum
12	Support foot	Plastic
13	Back cover	Cast iron
14	Reinforced seal	Rubber
15	Fan cover	Aluminum
16	Fan	Plastic

No.	COMPONENT	MATERIAL
17	Through bolt	Steel
18	Terminal box	Aluminum
19	Terminal board	Plastic
20	Impeller key	Iron
21	Water deflector	Rubber
22	Impeller nut	Galvanized steel
23	Connection bolt	Steel

RANGE OVERVIEW

3~ 380–415 V | 50 Hz | n ≈ 2900 /min

SIZE	DN suction × discharge, mm	POWER kW	MAX. FLOW m³/h	MAX. HEAD m	MODELS
3M 32	50 × 32	1.1–5.5	24	70.5	6
3M 40	65 × 40	1.5–11	42	72	7
3M 50	65 × 50	2.2–15	72	72	8
3M 65	80 × 65	4–22	138	67	8
3M 80	100 × 80	11–37	240	66	6

PRODUCT NOMENCLATURE

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Stainless steel
standard pump

32

Discharge size
(mm)

200

Nominal impeller
size (mm)

5.5

Rated power
(kW)

RANGE CHARACTERISTICS

Power	1.1–5.5 kW
Suction × discharge	DN 50 × 32 mm
Max. flow rate	24 m³/h
Max. head	70.5 m
Speed	n ≈ 2900 /min
Motor	3~ 380–415 V

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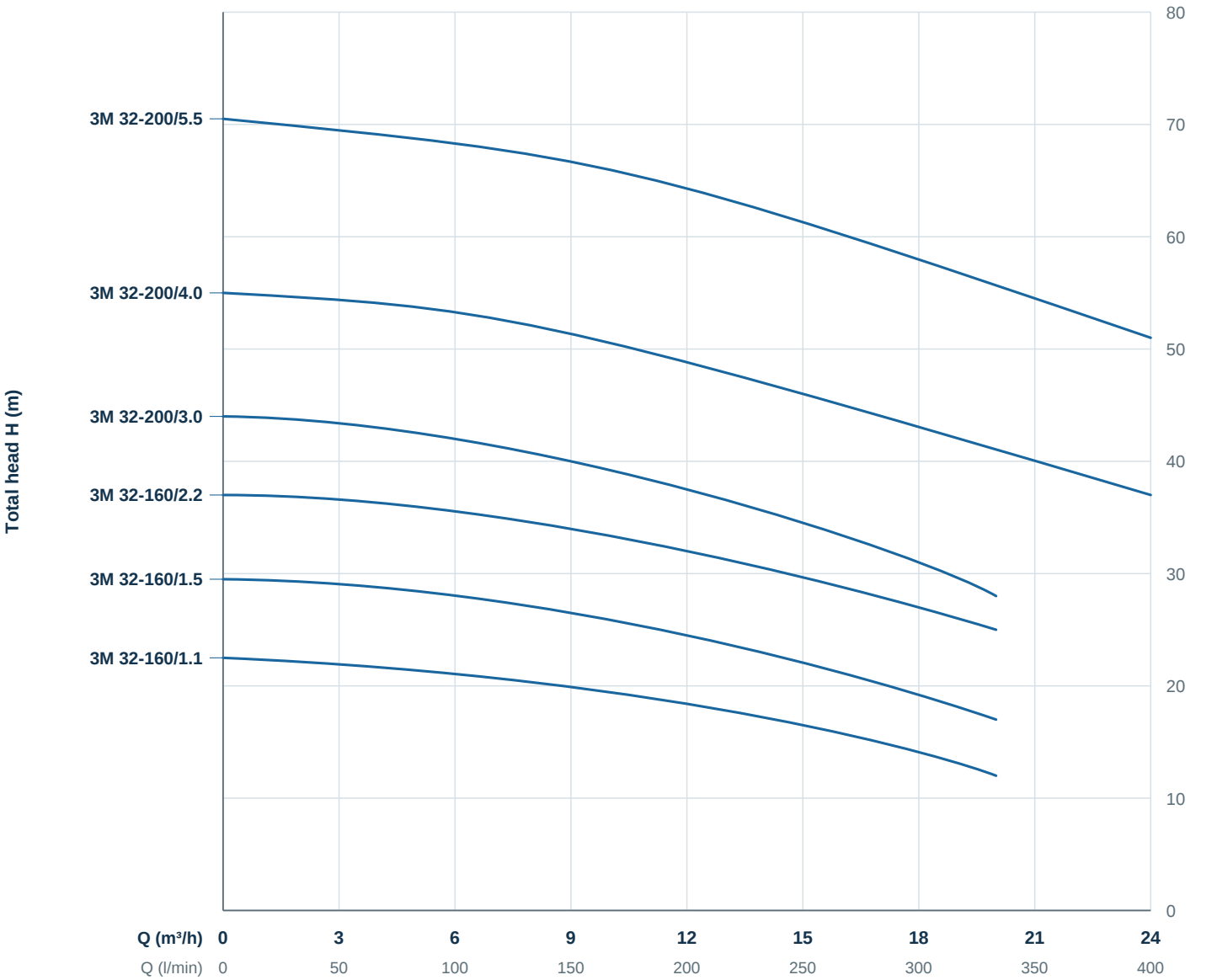


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MATERIALS

No.	COMPONENT	MATERIAL
1	Pump casing	SS304
2	Impeller	SS304
3	Mechanical seal	SiC/Carbon/SS304
4	Baffle plate	SS304
5	O-ring	Rubber
6	Connection	Cast iron
7	Shaft	SS304
8	Reinforced seal	Rubber



PERFORMANCE DATA

3~ 380–415 V | 50 Hz | n ≈ 2900 /min

MODEL	DN	P ₂		Q	m³/h	0	9	12	18	20	24
	mm	kW	HP		l/min	0	150	200	300	333	400
3M 32-160/1.1	50x32	1.1	1.5	H (m)		22.5	19.9	18.4	14.1	12	–
3M 32-160/1.5	50x32	1.5	2			29.5	26.5	24.5	19.2	17	–
3M 32-160/2.2	50x32	2.2	3			37	34	32	27	25	–
3M 32-200/3.0	50x32	3	4			44	40	37.5	31	28	–
3M 32-200/4.0	50x32	4	5.5			55	52	49.5	43.5	40.5	37
3M 32-200/5.5	50x32	5.5	7.5			70.5	67.5	65	58.5	55	51

PRODUCT NOMENCLATURE

Example: 3M 40-200/11.0

3M

Stainless steel
standard pump

40

Discharge size
(mm)

200

Nominal impeller
size (mm)

11.0

Rated power
(kW)

RANGE CHARACTERISTICS

Power	1.5–11 kW
Suction × discharge	DN 65 × 40 mm
Max. flow rate	42 m³/h
Max. head	72 m
Speed	n ≈ 2900 /min
Motor	3~ 380–415 V

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- Quality bearing, wear-resistant mechanical seal
- Suitable for some impure liquids

OPERATING LIMITS

- Liquid temperature between -10 °C and +120 °C
- Ambient temperature between 0 °C and +50 °C
- Max. working pressure 16 bar / Continuous duty S1

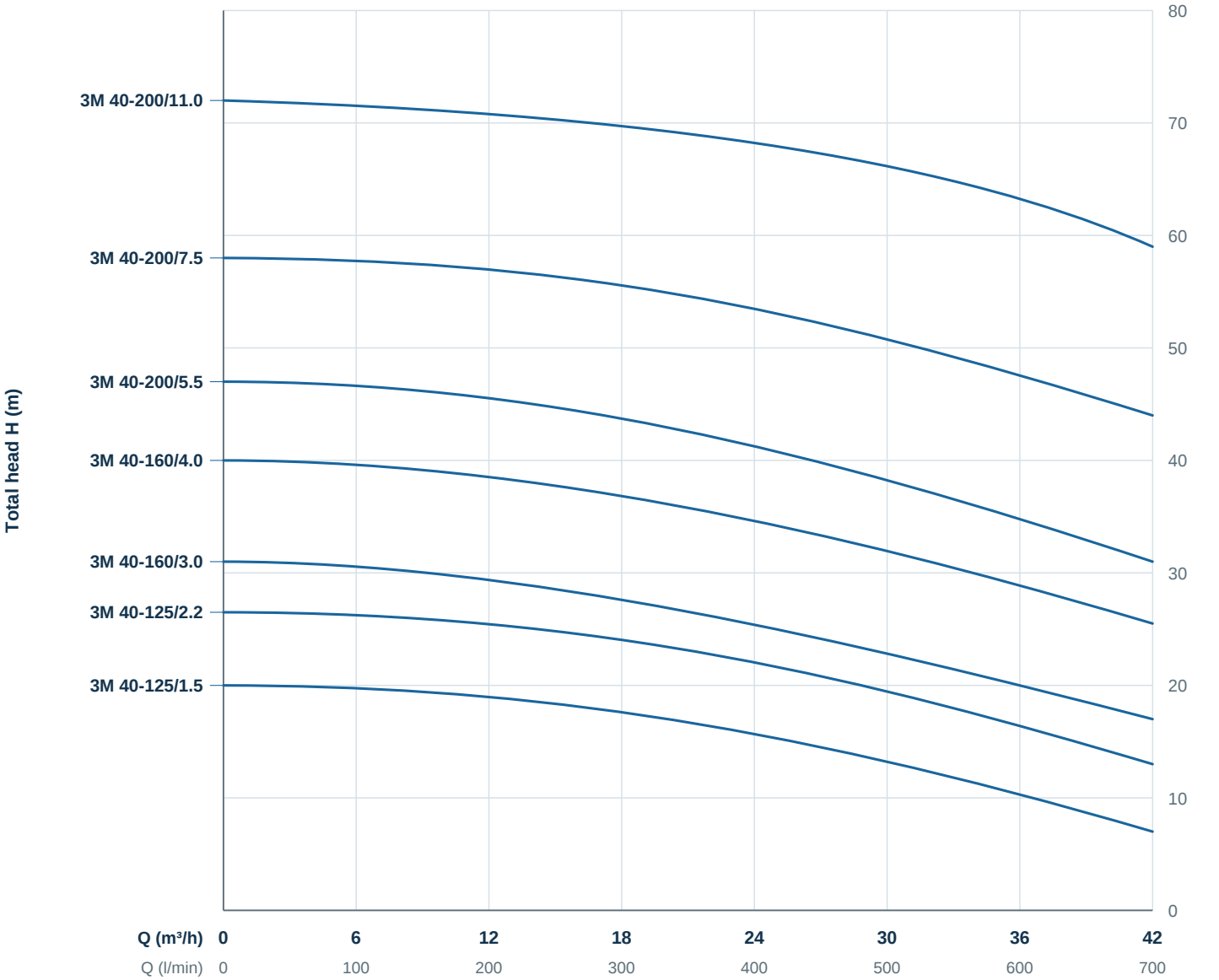


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MATERIALS

No.	COMPONENT	MATERIAL
1	Pump casing	SS304
2	Impeller	SS304
3	Mechanical seal	SiC/Carbon/SS304
4	Baffle plate	SS304
5	O-ring	Rubber
6	Connection	Cast iron
7	Shaft	SS304
8	Reinforced seal	Rubber



PERFORMANCE DATA

3~ 380–415 V | 50 Hz | n ≈ 2900 /min

MODEL	DN	P ₂		Q	m³/h	0	12	18	20	24	36	42
	mm	kW	HP		l/min	0	200	300	333	400	600	700
3M 40-125/1.5	65x40	1.5	2			20	19	17.6	17	15.7	10.3	7
3M 40-125/2.2	65x40	2.2	3			26.5	25.5	24	23.5	22	16.4	13
3M 40-160/3.0	65x40	3	4			31	29.5	27.5	27	25.5	20	17
3M 40-160/4.0	65x40	4	5.5	H (m)		40	38.5	37	36	34.5	29	25.5
3M 40-200/5.5	65x40	5.5	7.5			47	45.5	44	43	41	35	31
3M 40-200/7.5	65x40	7.5	10			58	57	55.5	55	53.5	47.5	44
3M 40-200/11.0	65x40	11	15			72	71	70	69	68.5	63	59

PRODUCT NOMENCLATURE

Example: 3M 50-200/15.0

3M

Stainless steel
standard pump

50

Discharge size
(mm)

200

Nominal impeller
size (mm)

15.0

Rated power
(kW)

RANGE CHARACTERISTICS

Power	2.2–15 kW
Suction × discharge	DN 65 × 50 mm
Max. flow rate	72 m³/h
Max. head	72 m
Speed	n ≈ 2900 /min
Motor	3~ 380–415 V

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- Quality bearing, wear-resistant mechanical seal
- Suitable for some impure liquids

OPERATING LIMITS

- Liquid temperature between -10 °C and +120 °C
- Ambient temperature between 0 °C and +50 °C
- Max. working pressure 16 bar / Continuous duty S1

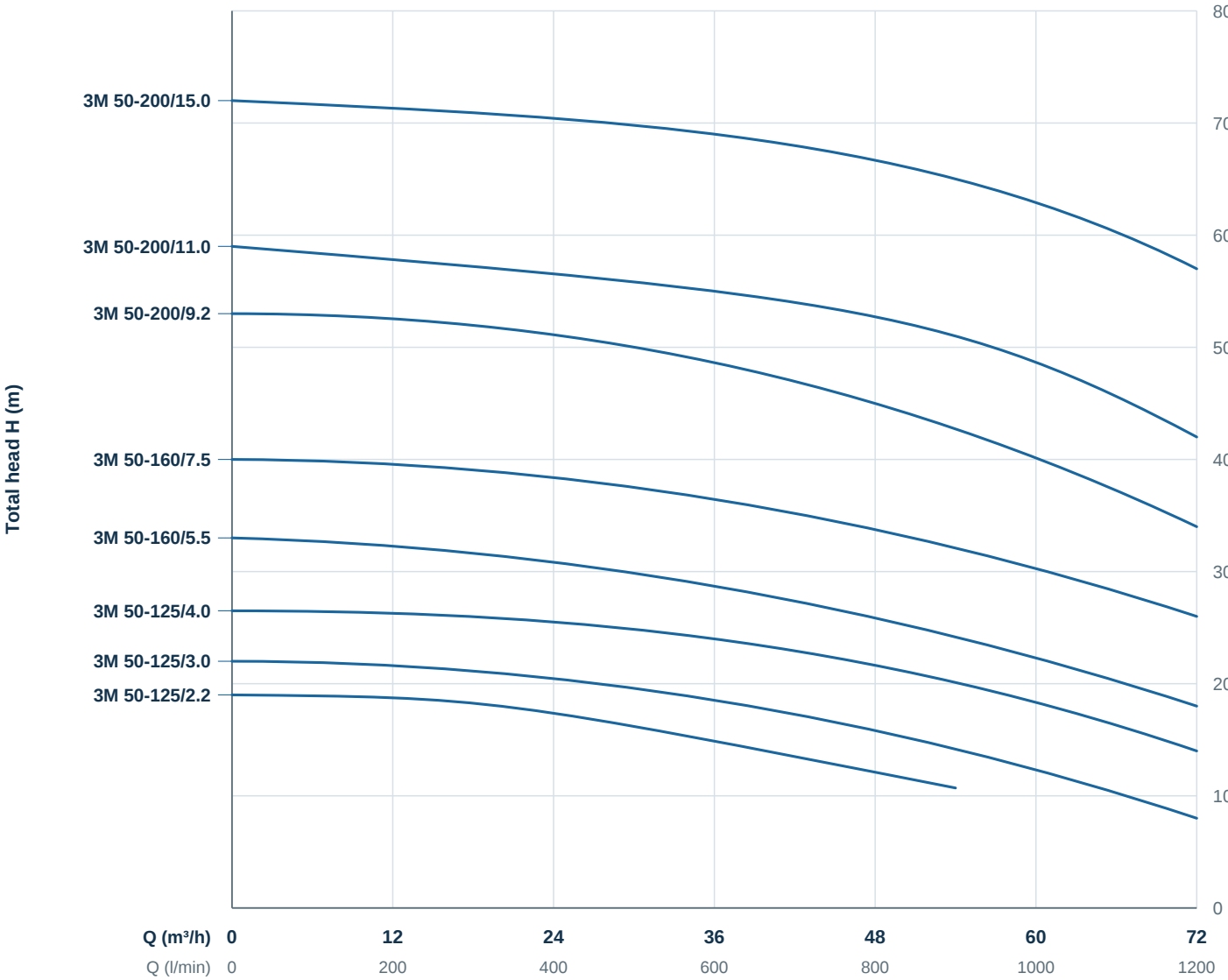


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MATERIALS

No.	COMPONENT	MATERIAL
1	Pump casing	SS304
2	Impeller	SS304
3	Mechanical seal	SiC/Carbon/SS304
4	Baffle plate	SS304
5	O-ring	Rubber
6	Connection	Cast iron
7	Shaft	SS304
8	Reinforced seal	Rubber



PERFORMANCE DATA

3~ 380–415 V | 50 Hz | n ≈ 2900 /min

MODEL	DN	P ₂		Q	m³/h	0	24	36	42	54	72
	mm	kW	HP		l/min	0	400	600	700	900	1200
3M 50-125/2.2	65x50	2.2	3	H (m)		19	17.5	14.9	13.4	10.7	–
3M 50-125/3.0	65x50	3	4			22	20.5	18.4	17	14.4	8
3M 50-125/4.0	65x50	4	5.5			26.5	26	24	22.5	20.5	14
3M 50-160/5.5	65x50	5.5	7.5			33	31	28.5	27	24.5	18
3M 50-160/7.5	65x50	7.5	10			40	38.5	36	35	32.5	26
3M 50-200/9.2	65x50	9.2	12.5			53	51	49	47.5	44.5	34
3M 50-200/11.0	65x50	11	15			59	57	55	54	51	42
3M 50-200/15.0	65x50	15	20			72	70	69	68	65	57

PRODUCT NOMENCLATURE

Example: 3M 65-200/22.0

3M

Stainless steel
standard pump

65

Discharge size
(mm)

200

Nominal impeller
size (mm)

22.0

Rated power
(kW)

RANGE CHARACTERISTICS

Power	4–22 kW
Suction × discharge	DN 80 × 65 mm
Max. flow rate	138 m³/h
Max. head	67 m
Speed	n ≈ 2900 /min
Motor	3~ 380–415 V

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OPERATING LIMITS

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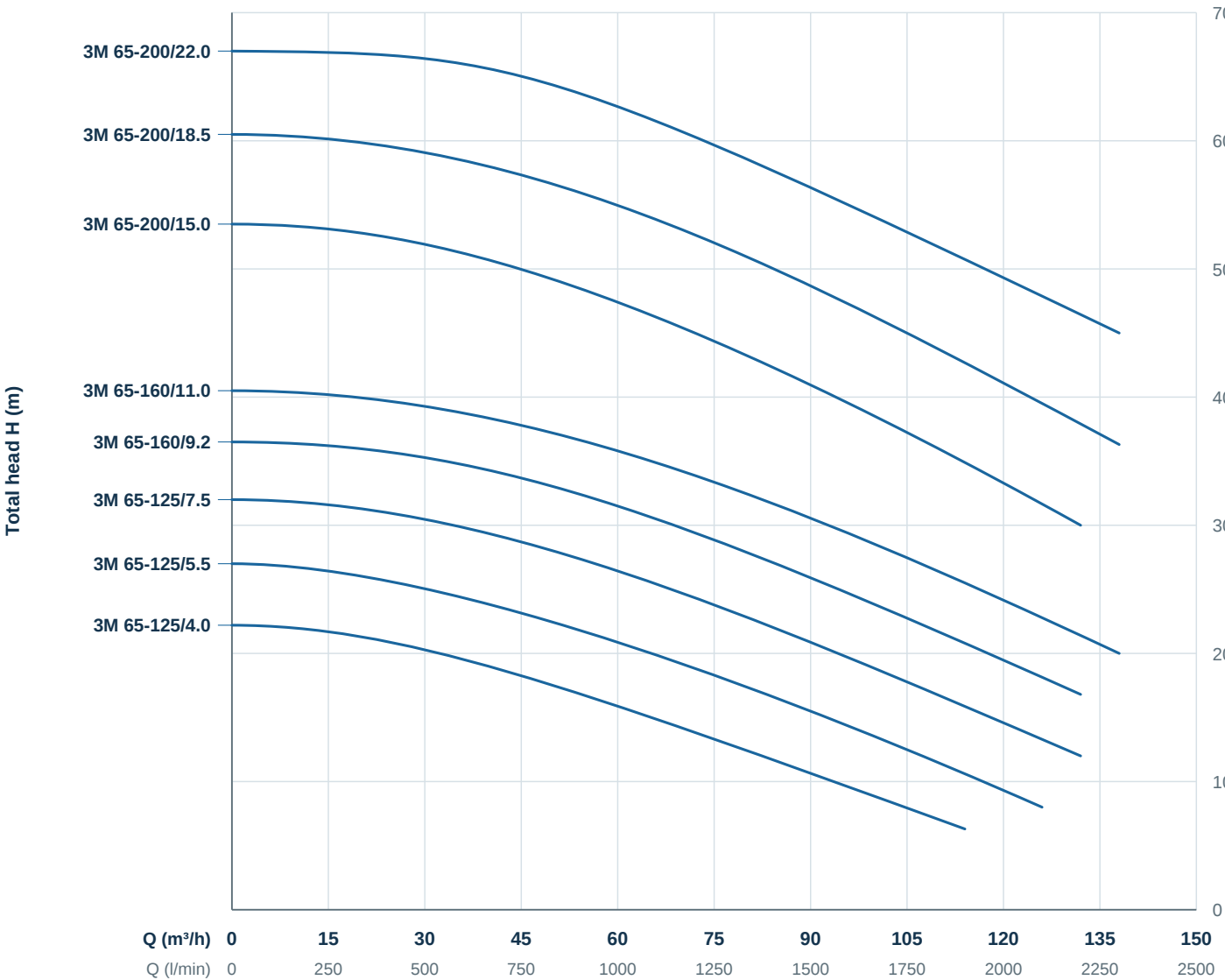


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MATERIALS

No.	COMPONENT	MATERIAL
1	Pump casing	SS304
2	Impeller	SS304
3	Mechanical seal	SiC/Carbon/SS304
4	Baffle plate	SS304
5	O-ring	Rubber
6	Connection	Cast iron
7	Shaft	SS304
8	Reinforced seal	Rubber



PERFORMANCE DATA

3~ 380–415 V | 50 Hz | n ≈ 2900 /min

MODEL	DN	P ₂		Q	m³/h	0	36	42	54	72	114	126	132	138
	mm	kW	HP		l/min	0	600	700	900	1200	1900	2100	2200	2300
3M 65-125/4.0	80x65	4	5.5	H (m)		22.2	19.8	19	17.3	13.5	6.3	—	—	—
3M 65-125/5.5	80x65	5.5	7.5			27	24.3	24	22.2	18.5	10.8	8	—	—
3M 65-125/7.5	80x65	7.5	10			32	29.8	29.5	27.8	24	16.1	13.4	12	—
3M 65-160/9.2	80x65	9.2	12.5			36.5	34.7	34.5	32.8	29	21.1	18.3	16.8	—
3M 65-160/11.0	80x65	11	15			40.5	38.8	38.5	37.1	33.5	25.8	23	21.5	20
3M 65-200/15.0	80x65	15	20			53.5	51.2	51	49	44.5	35.3	31.8	30	—
3M 65-200/18.5	80x65	18.5	25			60.5	58.6	58.5	56.5	52	43	39.7	38	36.3
3M 65-200/22.0	80x65	22	30			67	66	65.5	64	60	51	48	46.5	45

PRODUCT NOMENCLATURE

Example: 3M 80-200/37.0

3M

Stainless steel
standard pump

80

Discharge size
(mm)

200

Nominal impeller
size (mm)

37.0

Rated power
(kW)

RANGE CHARACTERISTICS

Power	11–37 kW
Suction × discharge	DN 100 × 80 mm
Max. flow rate	240 m³/h
Max. head	66 m
Speed	n ≈ 2900 /min
Motor	3~ 380–415 V

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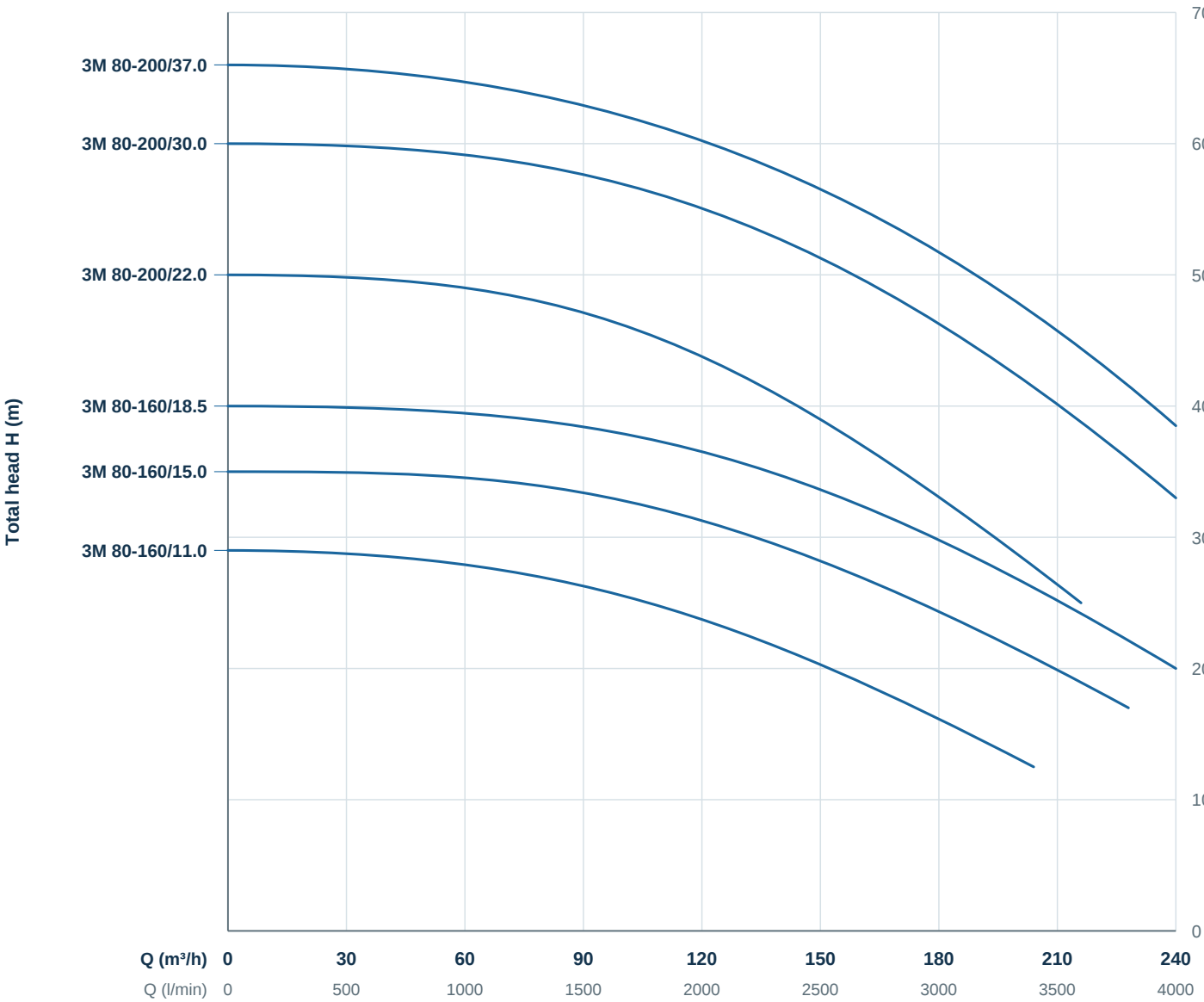


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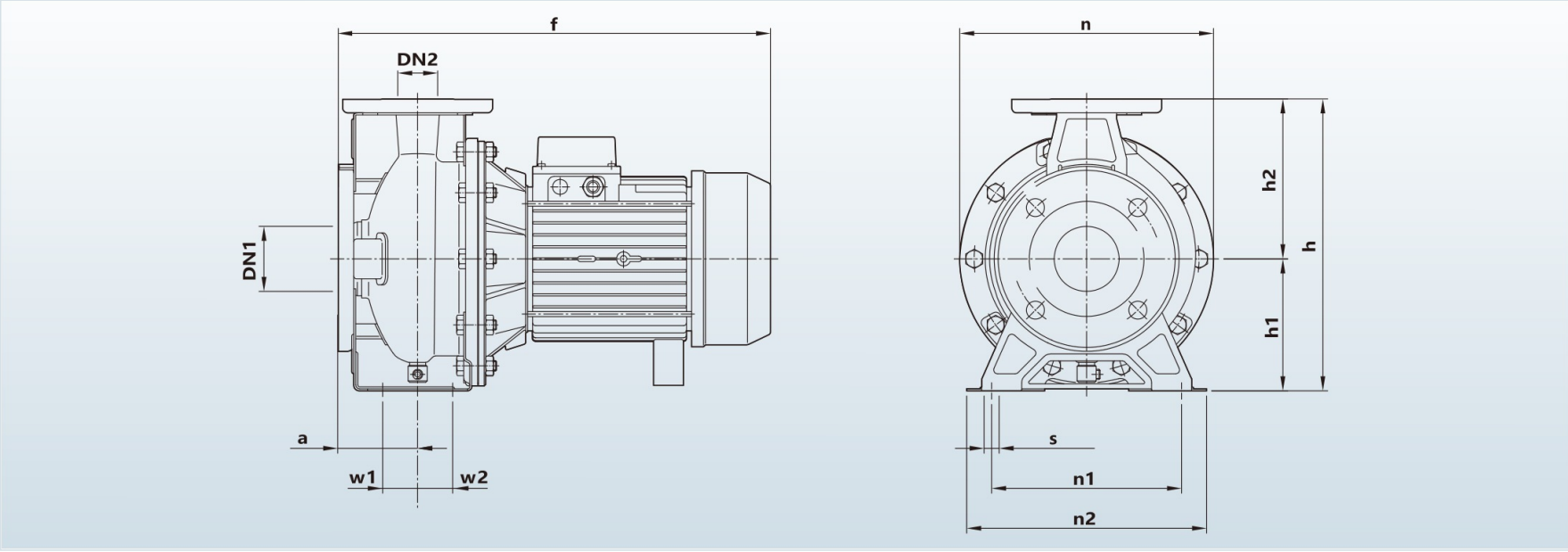
No.	COMPONENT	MATERIAL
1	Pump casing	SS304
2	Impeller	SS304
3	Mechanical seal	SiC/Carbon/SS304
4	Baffle plate	SS304
5	O-ring	Rubber
6	Connection	Cast iron
7	Shaft	SS304
8	Reinforced seal	Rubber



PERFORMANCE DATA

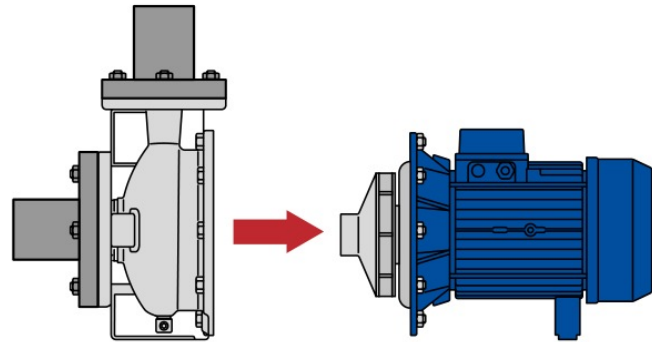
3~ 380–415 V | 50 Hz | n ≈ 2900 /min

MODEL	DN	P ₂		Q	m³/h	0	72	114	126	132	138	150	204	216	228	240
	mm	kW	HP		l/min	0	1200	1900	2100	2200	2300	2500	3400	3600	3800	4000
3M 80-160/11.0	100x80	11	15	H (m)		29	27.5	24.2	23	22.4	21.8	20.4	12.5	–	–	–
3M 80-160/15.0	100x80	15	20			35	34.5	31.5	30.5	30	29.4	28.1	21	19.1	17	–
3M 80-160/18.5	100x80	18.5	25			40	39.5	36.7	35.7	35.2	34.7	33.5	26.4	24.4	22.3	20
3M 80-200/22.0	100x80	22	30			50	48.5	44.5	43	42	41	39	27.8	25	–	–
3M 80-200/30.0	100x80	30	40			60	59	56	54.5	54	53	51	41.5	39	36.1	33
3M 80-200/37.0	100x80	37	50			66	64	61	59.5	59	58	56.5	47	44.5	41.5	38.5



BACK PULL-OUT DESIGN

The motor, coupling, cantilever support and impeller can be removed without disturbing the pump casing or removing the pipes.



DIMENSIONS

Dimensions in mm | 3~ 380–415 V

MODEL	DN1	DN2	a	f	h	h1	h2	n	n1	n2	w1	w2	s
3M 32-160/1.1	50	32	100	493	306	150	156	235	148	175	60	31	15
3M 32-160/1.5	50	32	100	493	306	150	156	235	148	175	60	31	15
3M 32-160/2.2	50	32	100	493	306	150	156	235	148	175	60	31	15
3M 32-200/3.0	50	32	100	538	306	150	156	235	148	175	60	31	15
3M 32-200/4.0	50	32	100	538	306	150	156	235	148	175	60	31	15
3M 32-200/5.5	50	32	100	538	306	150	156	235	148	175	60	31	15
3M 40-125/1.5	65	40	100	493	306	150	156	235	148	175	60	31	15
3M 40-125/2.2	65	40	100	493	306	150	156	235	148	175	60	31	15
3M 40-160/3.0	65	40	105	542	340	160	180	278	148	175	60	31	15
3M 40-160/4.0	65	40	105	542	340	160	180	278	148	175	60	31	15
3M 40-200/5.5	65	40	105	584	340	160	180	278	148	175	60	31	15
3M 40-200/7.5	65	40	105	584	340	160	180	278	148	175	60	31	15
3M 40-200/11.0	65	40	105	650	340	160	180	235	148	175	60	31	15
3M 50-125/2.2	65	50	100	428	340	160	180	235	148	175	60	31	15
3M 50-125/3.0	65	50	100	493	340	160	180	278	148	175	60	31	15
3M 50-125/4.0	65	50	100	493	340	160	180	278	148	175	60	31	15
3M 50-160/5.5	65	50	105	584	340	160	180	278	148	175	60	31	15
3M 50-160/7.5	65	50	105	584	340	160	180	278	148	175	60	31	15

MODEL	DN1	DN2	a	f	h	h1	h2	n	n1	n2	w1	w2	s
3M 50-200/9.2	65	50	105	650	365	185	180	278	148	175	60	31	15
3M 50-200/11.0	65	50	105	650	365	185	180	278	148	175	60	31	15
3M 50-200/15.0	65	50	105	768	365	185	180	278	148	175	60	31	15
3M 65-125/4.0	80	65	100	584	340	160	180	278	148	175	60	31	15
3M 65-125/5.5	80	65	100	584	340	160	180	278	148	175	60	31	15
3M 65-125/7.5	80	65	100	584	340	160	180	278	148	175	60	31	15
3M 65-160/9.2	80	65	113	675	345	160	185	278	148	175	60	31	15
3M 65-160/11.0	80	65	113	675	345	160	185	278	148	175	60	31	15
3M 65-200/15.0	80	65	113	793	370	185	185	278	148	175	60	31	15
3M 65-200/18.5	80	65	113	793	370	185	185	278	148	175	60	31	15
3M 65-200/22.0	80	65	113	793	370	185	185	278	148	175	60	31	15
3M 80-160/11.0	100	80	125	700	400	180	220	278	148	175	60	31	15
3M 80-160/15.0	100	80	125	870	400	180	220	278	148	175	60	31	15
3M 80-160/18.5	100	80	125	870	400	180	220	278	148	175	60	31	15
3M 80-200/22.0	100	80	125	915	450	200	250	278	148	175	60	31	15
3M 80-200/30.0	100	80	125	985	450	200	250	278	148	175	60	31	15
3M 80-200/37.0	100	80	125	985	450	200	250	278	148	175	60	31	15