



FIELDS OF USE

Clean water · Civil · Industrial · Firefighting

DESCRIPTION

- New centrifugal pump to EN733 standard
- Available with square or round motor
- YE3 high-efficiency motor, IP55 protection, insulation class F
- Pump casing with anti-corrosion coating
- Galvanized counter flange with bolts, nuts and gaskets
- Quality bearings, wear-resistant mechanical seal

APPLICATIONS

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. EN733 centrifugal pumps are recommended for use in water supply, cleaning systems, pressure boosting, firefighting sets, irrigation, industrial applications, water circulation in air-conditioning systems and agriculture.

OPERATING LIMITS

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

MODEL CODE

CM

Pump with square motor

32

Discharge size (mm)

250

Nominal impeller size (mm)

7.5

Rated power (kW)

Example: CM 32-250/7.5

Blank = Single impeller

TECHNICAL SHEET – MATERIALS

Model	CM
Capacity	0–400 m³/h
Head	0–151 m
DN	32–125 mm
Speed	n ≈ 2900 /min
T max	120 °C
Power	0.75–160 kW
Voltage	3~ 380–415 V
Frequency	50 Hz
Class	Class F
IP	IP 55
Duty	S1 continuous
Casing	Grey cast iron
Impeller	Cast iron / AISI 304 / Brass
Shaft	45# steel / AISI 316
Shaft seal	Mechanical seal
Bearing	Grease-lubricated rolling bearings

RANGE OVERVIEW

SIZE	IMPELLER SIZES (mm)	DN (mm)	MODELS	P2 (kW)	Q max (m³/h)	H max (m)	PAGE
CM 32	all sizes	50 × 32	12	0.75–15	27	97	02
CM 40	all sizes	65 × 40	11	1.1–18.5	48	90	03
CM 50	all sizes	65 × 50	11	2.2–22	90	89.5	04
CM 65	125 / 160 / 200 / 250	80 × 65	12	4–37	138	92	05
CM 65	315	80 × 65	4	45–90	210	151	06
CM 80	125 / 160	100 × 80	7	4–22	210	44	07
CM 80	200 / 250 / 315	100 × 80	9	22–90	240	144	08
CM 100	160 / 200	125 × 100	6	15–37	300	55	09
CM 100	250 / 315	125 × 100	9	45–160	360	148	10
CM 125	all sizes	150 × 125	6	45–90	400	87	11

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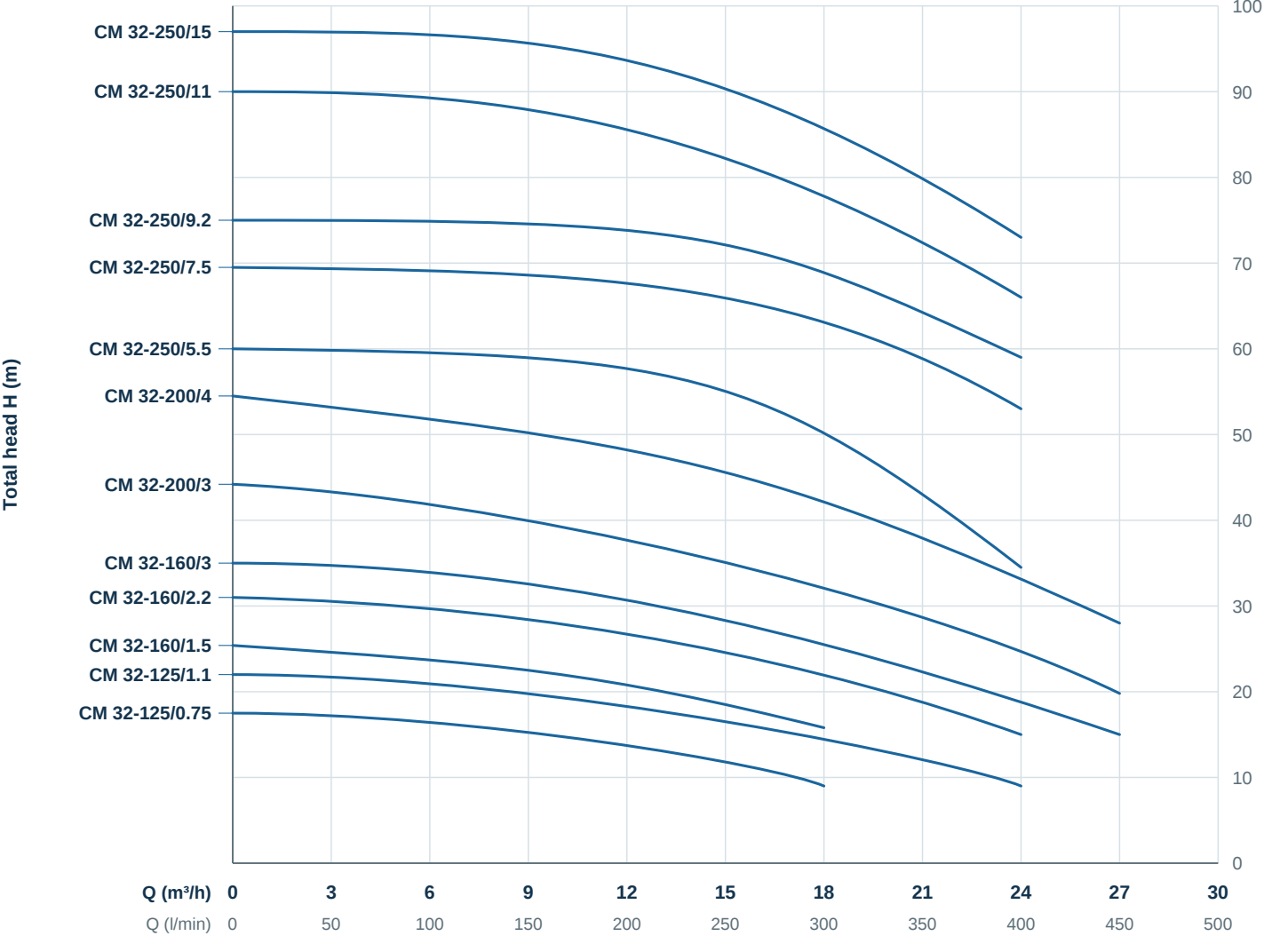
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PERFORMANCE DATA

50 Hz | n ≈ 2900 /min | 3~ 380–415 V

MODEL	DN mm	P ₂		Q	m³/h l/min	0	6	9	15	18	24	27
		kW	HP			0	100	150	250	300	400	450
CM 32-125/0.75	50 × 32	0.75	1	H (m)		17.5	16.7	15	12	9	–	–
CM 32-125/1.1	50 × 32	1.1	1.5			22	21	19.7	16.5	14.5	9	–
CM 32-160/1.5	50 × 32	1.5	2			25.4	23.7	22.5	18.5	15.8	–	–
CM 32-160/2.2	50 × 32	2.2	3			31	29.6	28.5	24.5	22	15	–
CM 32-160/3	50 × 32	3	4			35	34.3	32.5	28	25.5	19	15
CM 32-200/3	50 × 32	3	4			44.2	42	39.8	35.2	32.2	24.6	19.8
CM 32-200/4	50 × 32	4	5.5			54.5	52	50	45.5	42.3	33	28
CM 32-250/5.5	50 × 32	5.5	7.5			60	59.5	59	55	50.2	34.5	–
CM 32-250/7.5	50 × 32	7.5	10			69.5	69	68.5	66	63	53	–
CM 32-250/9.2	50 × 32	9.2	12.5			75	75	74.5	72	69	59	–
CM 32-250/11	50 × 32	11	15			90	89.5	88	82	78	66	–
CM 32-250/15	50 × 32	15	20			97	96.5	96	90	86	73	–

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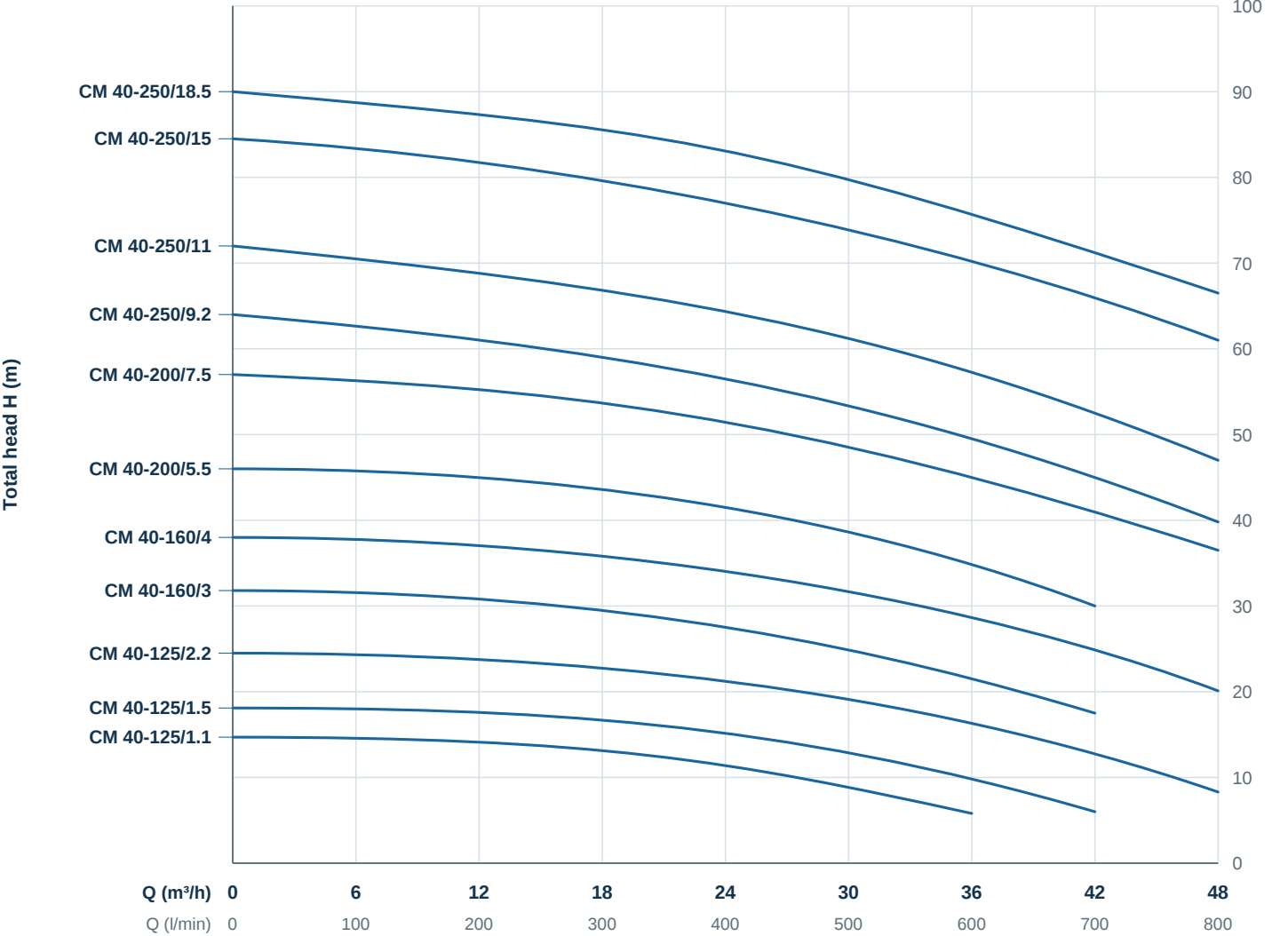
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MODEL	DN mm	P ₂		Q	m³/h l/min	0	18	24	27	36	42	48
		kW	HP			0	300	400	450	600	700	800
CM 40-125/1.1	65 × 40	1.1	1.5	H (m)		14.7	13	11.5	10.1	5.8	–	–
CM 40-125/1.5	65 × 40	1.5	2			18.1	17	15	13.9	10	6	–
CM 40-125/2.2	65 × 40	2.2	3			24.5	23.2	21.5	20.2	16	13	8.3
CM 40-160/3	65 × 40	3	4			31.8	29.5	27.5	26.3	21.5	17.5	–
CM 40-160/4	65 × 40	4	5.5			38	36	34	33	28.5	25	20.1
CM 40-200/5.5	65 × 40	5.5	7.5			46	43.8	41.3	40.1	35	30	–
CM 40-200/7.5	65 × 40	7.5	10			57	53.6	51.5	50	45	41	36.5
CM 40-250/9.2	65 × 40	9.2	12.5			64	59	56.5	55	49.5	45	39.8
CM 40-250/11	65 × 40	11	15			72	67.5	65	63.5	57.5	52.2	47
CM 40-250/15	65 × 40	15	20			84.5	79.3	77.3	75.2	70	66	61
CM 40-250/18.5	65 × 40	18.5	25			90	85.5	82.8	80.7	75.8	70.5	66.5

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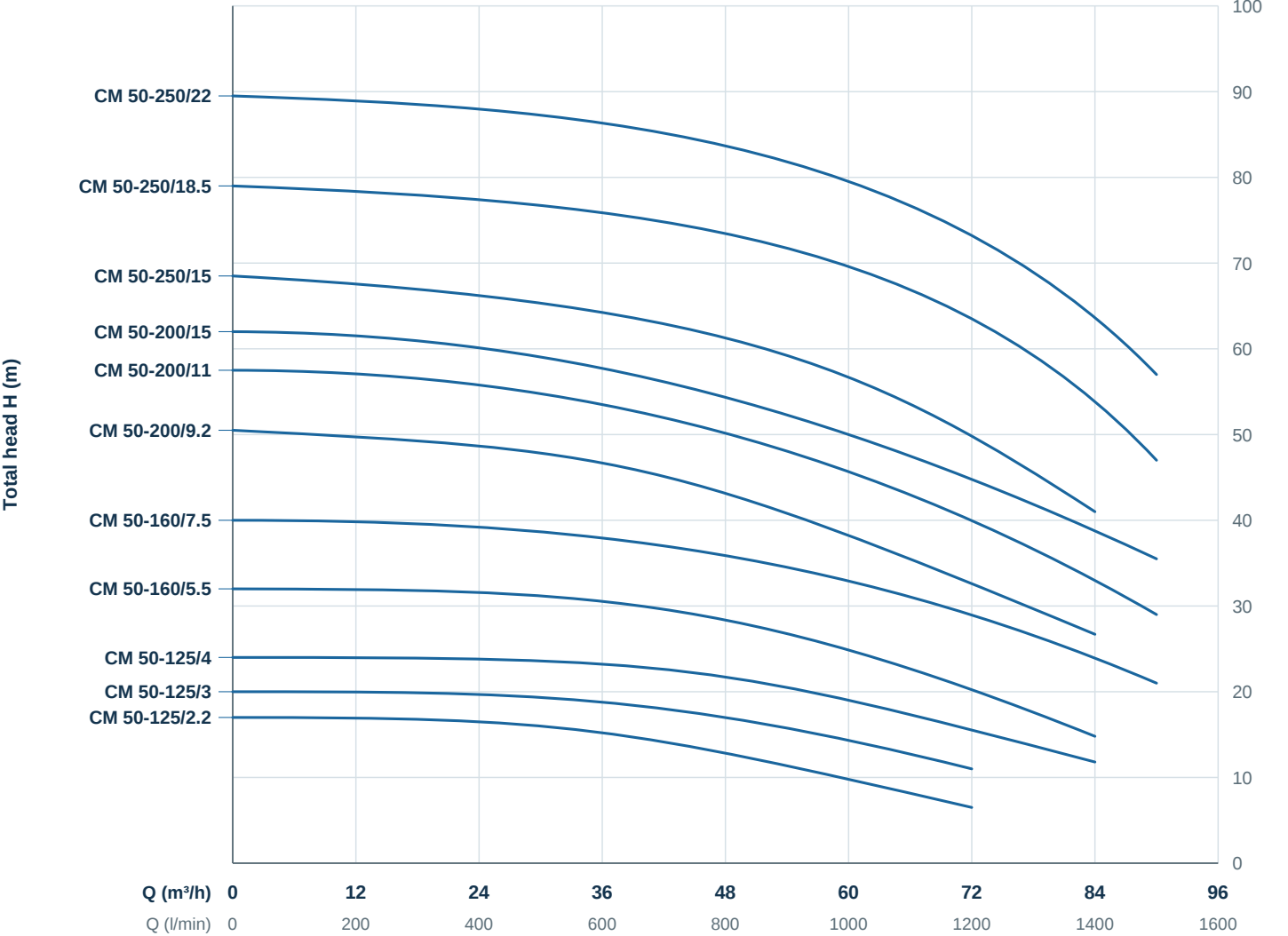
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PERFORMANCE DATA

50 Hz | n ≈ 2900 /min | 3~ 380–415 V

MODEL	DN mm	P ₂		Q	m³/h l/min	0	36	42	48	54	72	84	90
		kW	HP			0	600	700	800	900	1200	1400	1500
CM 50-125/2.2	65 × 50	2.2	3			17	15.4	14	12.8	11.5	6.5	–	–
CM 50-125/3	65 × 50	3	4			20	18.8	18	17	15.6	11	–	–
CM 50-125/4	65 × 50	4	5.5			24	23.1	23	21.5	20.3	15.8	11.8	–
CM 50-160/5.5	65 × 50	5.5	7.5			32	30.6	30	28	26.6	20.5	14.8	–
CM 50-160/7.5	65 × 50	7.5	10			40	38	37	36	34.4	29	24	21
CM 50-200/9.2	65 × 50	9.2	12.5	H (m)		50.5	46.8	45	43	40.9	32.5	26.7	–
CM 50-200/11	65 × 50	11	15			57.5	53.5	52	50	47.5	40	34	29
CM 50-200/15	65 × 50	15	20			62	58	56.5	54.5	52	44.5	39	35.5
CM 50-250/15	65 × 50	15	20			68.5	64	63	61.5	59	50	41	–
CM 50-250/18.5	65 × 50	18.5	25			79	75.8	74.8	74	71.5	63.5	55.5	47
CM 50-250/22	65 × 50	22	30			89.5	86	85.3	84	81.5	73.5	63.5	57

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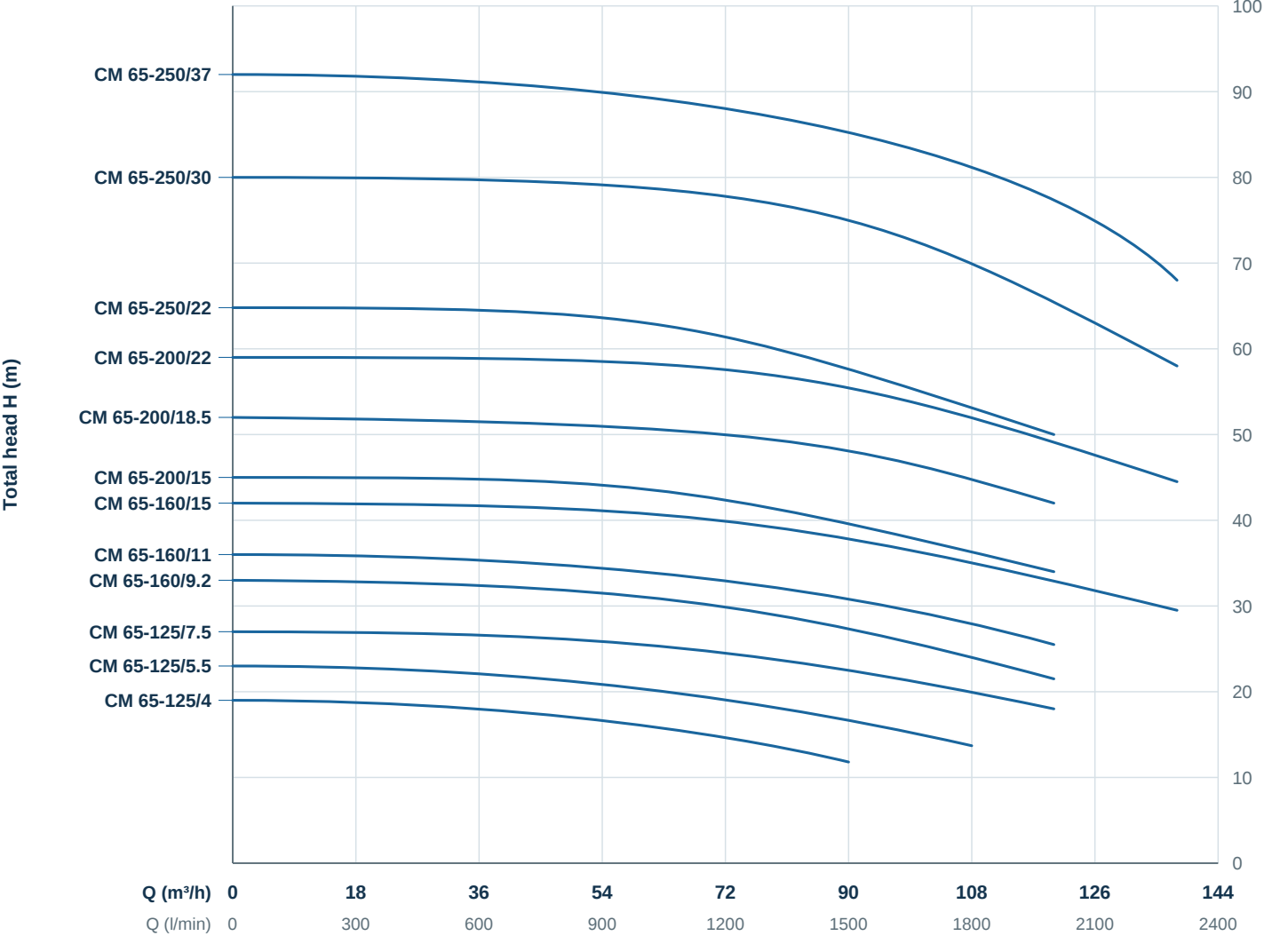
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MODEL	DN mm	P ₂		Q	m³/h l/min	0	48	54	72	84	90	108	120	138
		kW	HP			0	800	900	1200	1400	1500	1800	2000	2300
CM 65-125/4	80 × 65	4	5.5	H (m)		19	17.3	16.8	14.5	13	11.8	–	–	–
CM 65-125/5.5	80 × 65	5.5	7.5			23	21.3	20.9	19	17.5	16.7	13.7	–	–
CM 65-125/7.5	80 × 65	7.5	10			27	26	25.6	24.5	23	22.5	20	18	–
CM 65-160/9.2	80 × 65	9.2	12.5			33	31.9	31.5	30	28	27.1	24	21.5	–
CM 65-160/11	80 × 65	11	15			36	34.8	34.5	33	31.5	30.8	28	25.5	–
CM 65-160/15	80 × 65	15	20			42	41	41	40	38.5	37.8	35	33	29.5
CM 65-200/15	80 × 65	15	20			45	45	45	43	41	40.2	36.5	34	–
CM 65-200/18.5	80 × 65	18.5	25			52	52	52	51	49	48.2	44.5	42	–
CM 65-200/22	80 × 65	22	30			59	59	59	58	56	55	52	49.5	44.5
CM 65-250/22	80 × 65	22	30			64.8	64.7	64.7	62	60	58.5	53	50	–
CM 65-250/30	80 × 65	30	40			80	79.8	79.8	77.5	75.5	74.5	70	66	58
CM 65-250/37	80 × 65	37	50			92	90.5	90.5	88.5	87	85	80.5	78	68

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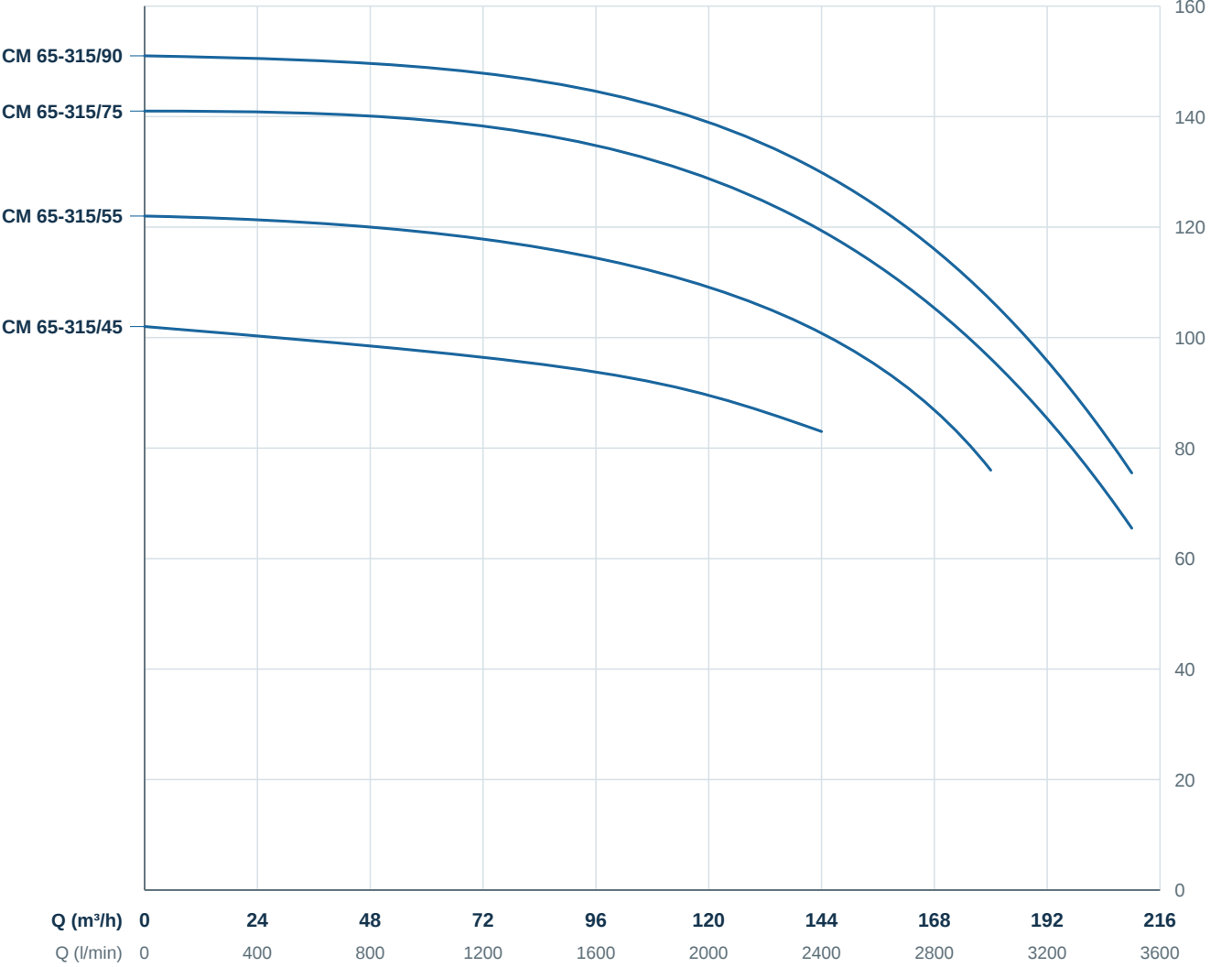
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Total head H (m)



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MODEL	DN mm	P ₂		Q	m³/h l/min	0	60	90	120	144	180	200	210
		kW	HP			0	1000	1500	2000	2400	3000	3333	3500
CM 65-315/45	80 × 65	45	60	H (m)		102	98	94.5	90	83	–	–	–
CM 65-315/55	80 × 65	55	75			122	120	114.5	110	100	76	–	–
CM 65-315/75	80 × 65	75	100			141	141	134.5	130	120	96	78	65.5
CM 65-315/90	80 × 65	90	125			151	150	144.5	140	130	106	88	75.5

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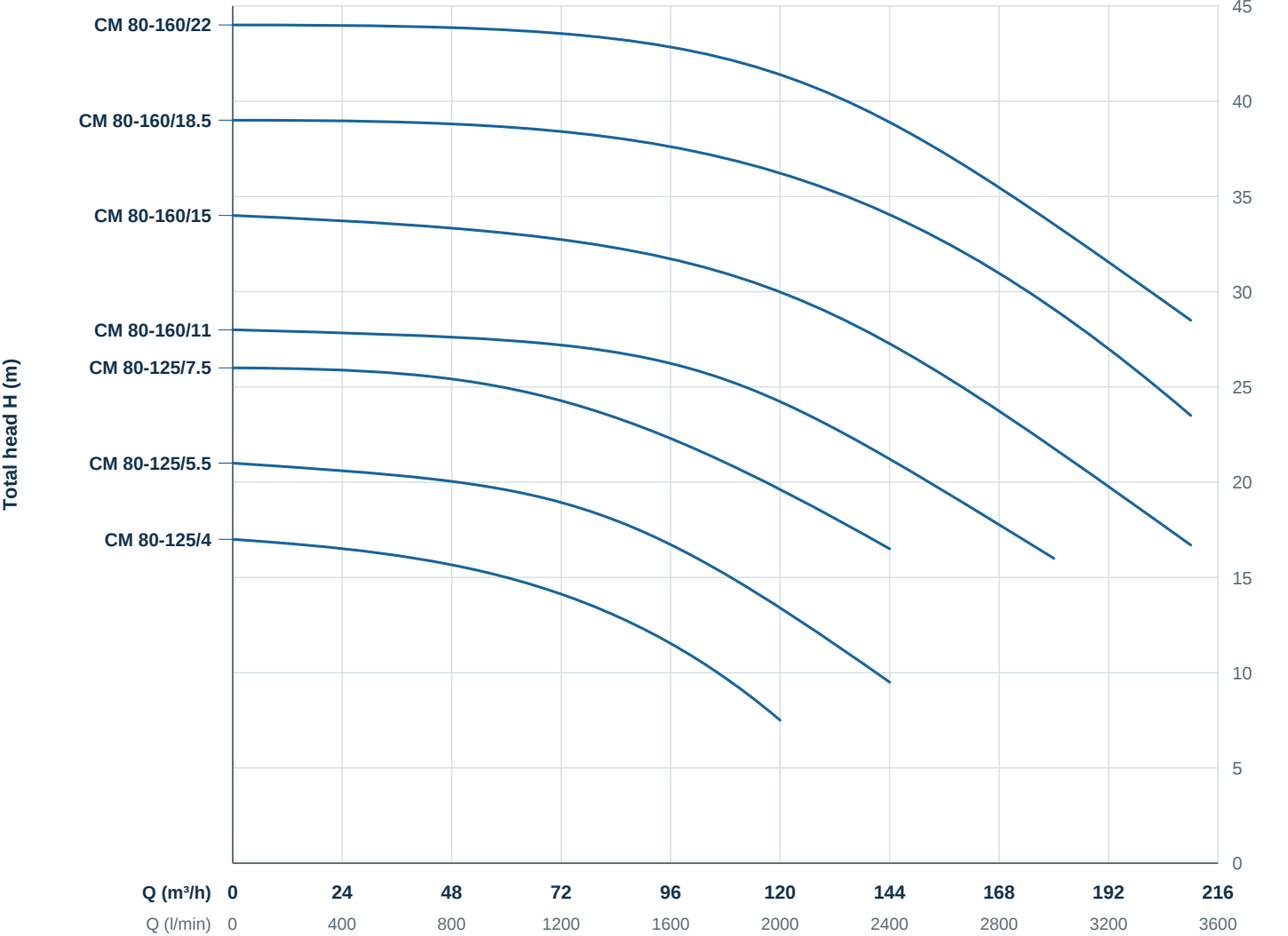
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CM 80-125/4	100 × 80	4	5.5	H (m)		17	15	12.3	7.5	–	–	–	–
CM 80-125/5.5	100 × 80	5.5	7.5			21	19.6	17.4	13.4	9.5	–	–	–
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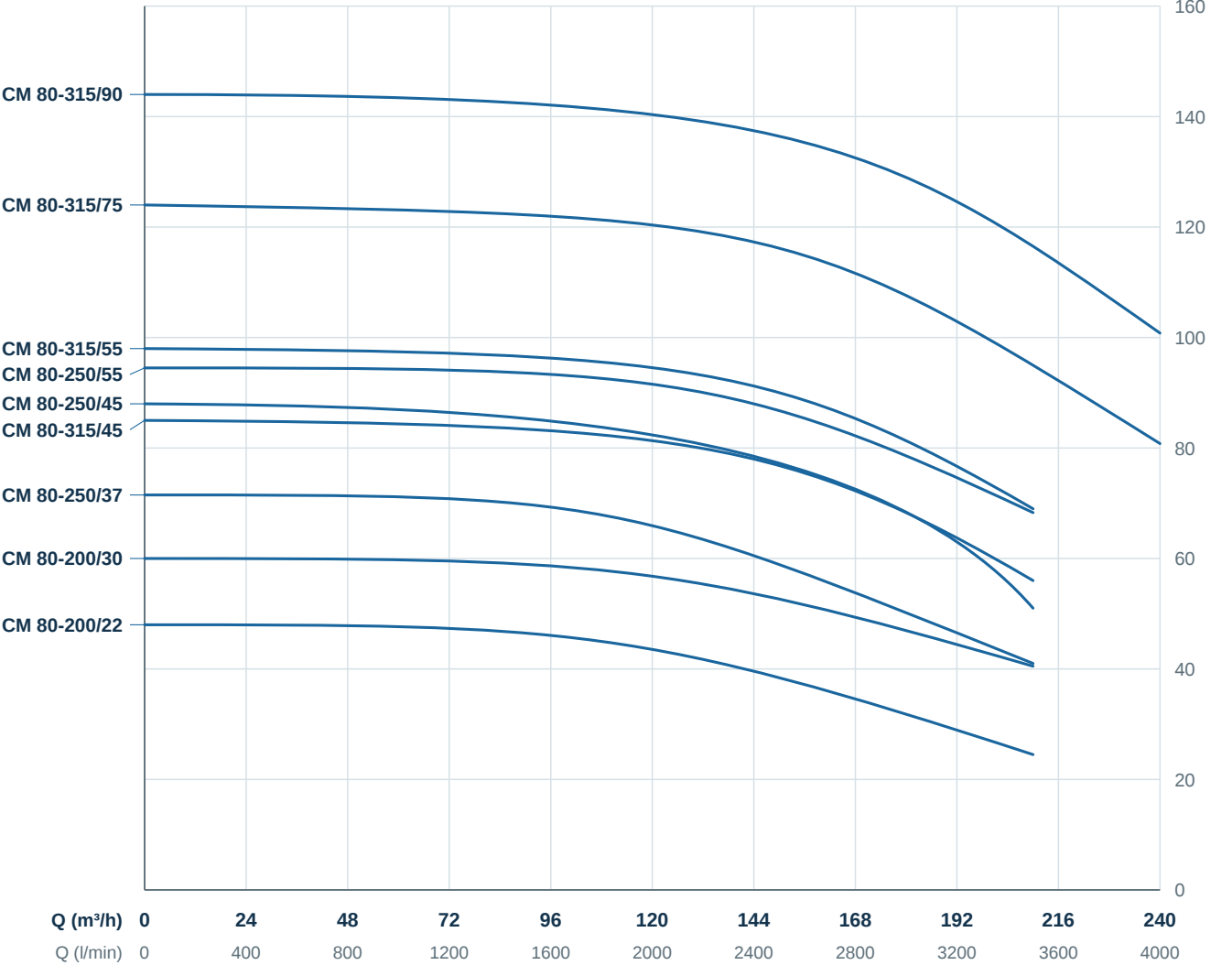
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		kW	HP			0	1000	1500	2000	2400	3000	3333	3500	3667	4000
CM 80-200/22	100 × 80	22	30			48	47.7	47.5	43.5	39.2	32.5	27.2	24.5	—	—
CM 80-200/30	100 × 80	30	40			60	59.7	59.5	57	53.1	47	42.7	40.5	—	—
CM 80-250/37	100 × 80	37	50			71.5	70.9	70.5	65.5	59.3	51	43.2	41	—	—
CM 80-250/45	100 × 80	45	60			88	86.7	86	83.6	78.5	70.5	60	51	—	—
CM 80-250/55	100 × 80	55	75	H (m)		94.5	94.5	94.5	91.8	87	79.5	72.1	68.3	—	—
CM 80-315/45	100 × 80	45	60			85	84	82.6	82	78	68.3	61	56	—	—
CM 80-315/55	100 × 80	55	75			98	97	95.6	95	91	81.3	74	69	—	—
CM 80-315/75	100 × 80	75	100			124	123	121.6	121	117	107.3	100	95	90	80.8
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Discharge size (mm)

250

Nominal impeller size (mm)

7.5

Rated power (kW)

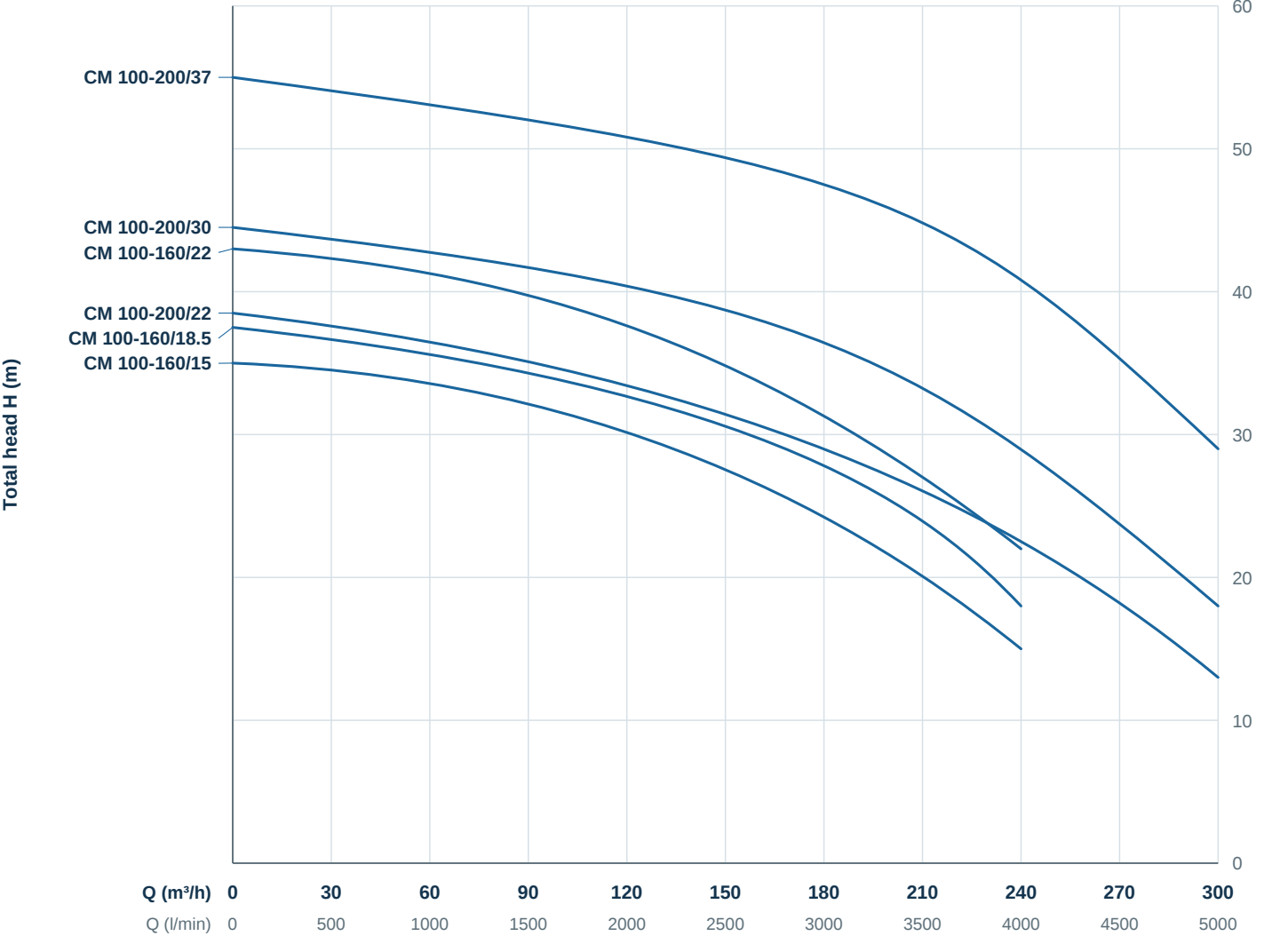
Example: CM 32-250/7.5

Blank = Single impeller



TECHNICAL SHEET

Model	CM
Capacity	0–400 m³/h
Head	0–151 m
DN	32–125 mm
Speed	n ≈ 2900 /min
T max	120 °C
Power	0.75–160 kW
Voltage	3~ 380–415 V
Frequency	50 Hz
Class	Class F
IP	IP 55
Duty	S1 continuous
Casing	Grey cast iron
Impeller	Cast iron / AISI 304 / Brass
Shaft	45# steel / AISI 316
Shaft seal	Mechanical seal
Bearing	Grease-lubricated rolling bearings



PERFORMANCE DATA

50 Hz | n ≈ 2900 /min | 3~ 380–415 V

MODEL	DN mm	P ₂		Q	m³/h l/min	0	60	90	120	144	180	200	210	220	240	280	300
		kW	HP			0	1000	1500	2000	2400	3000	3333	3500	3667	4000	4667	5000
CM 100-160/15	125 × 100	15	20	H (m)		35	33.5	32.5	30	27.8	24.5	21.5	20	18.3	15	–	–
CM 100-160/18.5	125 × 100	18.5	25			37.5	35.7	34.7	32.8	30.7	27.5	25.7	24	22	18	–	–
CM 100-160/22	125 × 100	22	30			43	41	40	37.6	35.2	31.5	28.5	27	25.3	22	–	–
CM 100-200/22	125 × 100	22	30			38.5	36.7	35.7	33.8	31.7	28.5	26.8	26	25	22.9	16.3	13
CM 100-200/30	125 × 100	30	40			44.5	42.5	42	40.2	38.8	36.7	34.2	33	31.7	29	21.7	18
CM 100-200/37	125 × 100	37	50			55	53	51	50.6	49.2	47	45	44	42.8	40.5	32.8	29

DESCRIPTION

- New centrifugal pump to EN733 standard
- Available with square or round motor
- YE3 high-efficiency motor, IP55 protection, insulation class F
- Pump casing with anti-corrosion coating
- Galvanized counter flange with bolts, nuts and gaskets
- Quality bearings, wear-resistant mechanical seal

APPLICATIONS

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. EN733 centrifugal pumps are recommended for use in water supply, cleaning systems, pressure boosting, firefighting sets, irrigation, industrial applications, water circulation in air-conditioning systems and agriculture.

OPERATING LIMITS

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

MODEL CODE

CM

Pump with square motor

32

Discharge size (mm)

250

Nominal impeller size (mm)

7.5

Rated power (kW)

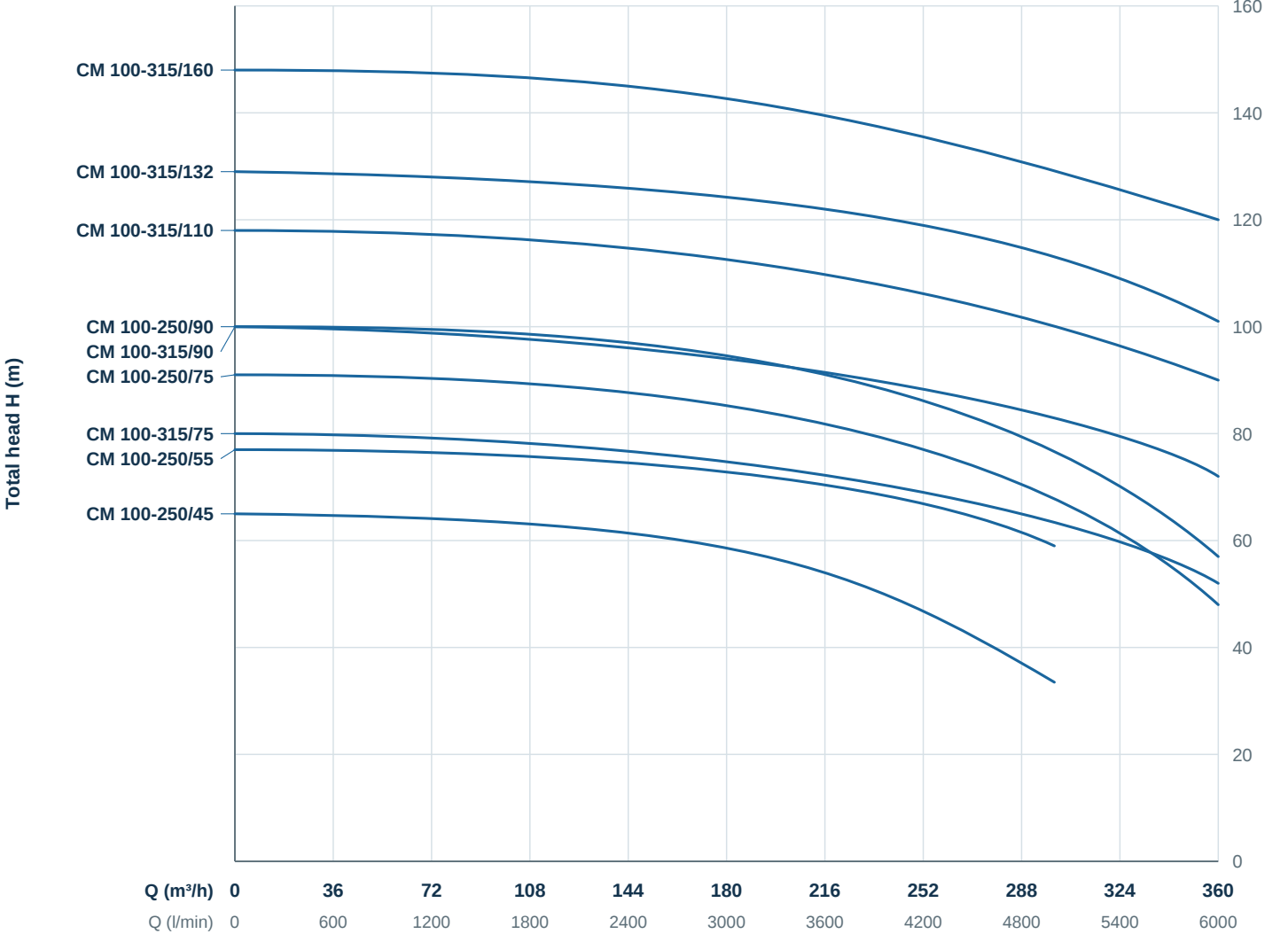
Example: CM 32-250/7.5

Blank = Single impeller



TECHNICAL SHEET

Model	CM
Capacity	0–400 m³/h
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Shaft seal	Mechanical seal
Bearing	Grease-lubricated rolling bearings



PERFORMANCE DATA

50 Hz | n ≈ 2900 /min | 3~ 380–415 V

MODEL	DN mm	P ₂		Q	m³/h l/min	0	60	90	120	144	180	200	210	220	240	280	300	360
		kW	HP			0	1000	1500	2000	2400	3000	3333	3500	3667	4000	4667	5000	6000
CM 100-250/45	125 × 100	45	60			65	65	64	63	61	58	56	55	53.3	50	39	33.5	–
CM 100-250/55	125 × 100	55	75			77	76	75.5	75	73.8	72	71.7	71.5	70.7	69	62.3	59	–
CM 100-250/75	125 × 100	75	100			91	91	90.5	89.7	88	85.5	84	83.3	81.5	78	71.7	68.5	48
CM 100-250/90	125 × 100	90	125			100	100	99.5	98.7	97	94.5	93	92.3	90.5	87	80.7	77.5	57
CM 100-315/75	125 × 100	75	100	H (m)		80	79.4	78.7	78.5	76.7	74	73	72.8	72.5	70.7	68	64	52
CM 100-315/90	125 × 100	90	125			100	99.1	98.5	98.5	96.7	94	93	92.8	92.5	90.7	88	84	72
CM 100-315/110	125 × 100	110	150			118	117.5	116.8	116.5	114.7	112	111	110.8	110.5	108.7	106	102	90
CM 100-315/132	125 × 100	132	180			129	128.2	127.6	127.5	125.7	123	122	121.8	121.5	119.7	117	112	101
CM 100-315/160	125 × 100	160	220			148	147.6	147.1	146.5	144.7	142	141	140.8	140.5	138.7	136	132	120

DESCRIPTION

- New centrifugal pump to EN733 standard
- Available with square or round motor
- YE3 high-efficiency motor, IP55 protection, insulation class F
- Pump casing with anti-corrosion coating
- Galvanized counter flange with bolts, nuts and gaskets
- Quality bearings, wear-resistant mechanical seal

APPLICATIONS

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. EN733 centrifugal pumps are recommended for use in water supply, cleaning systems, pressure boosting, firefighting sets, irrigation, industrial applications, water circulation in air-conditioning systems and agriculture.

OPERATING LIMITS

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

MODEL CODE

CM

Pump with square motor

32

Discharge size (mm)

250

Nominal impeller size (mm)

7.5

Rated power (kW)

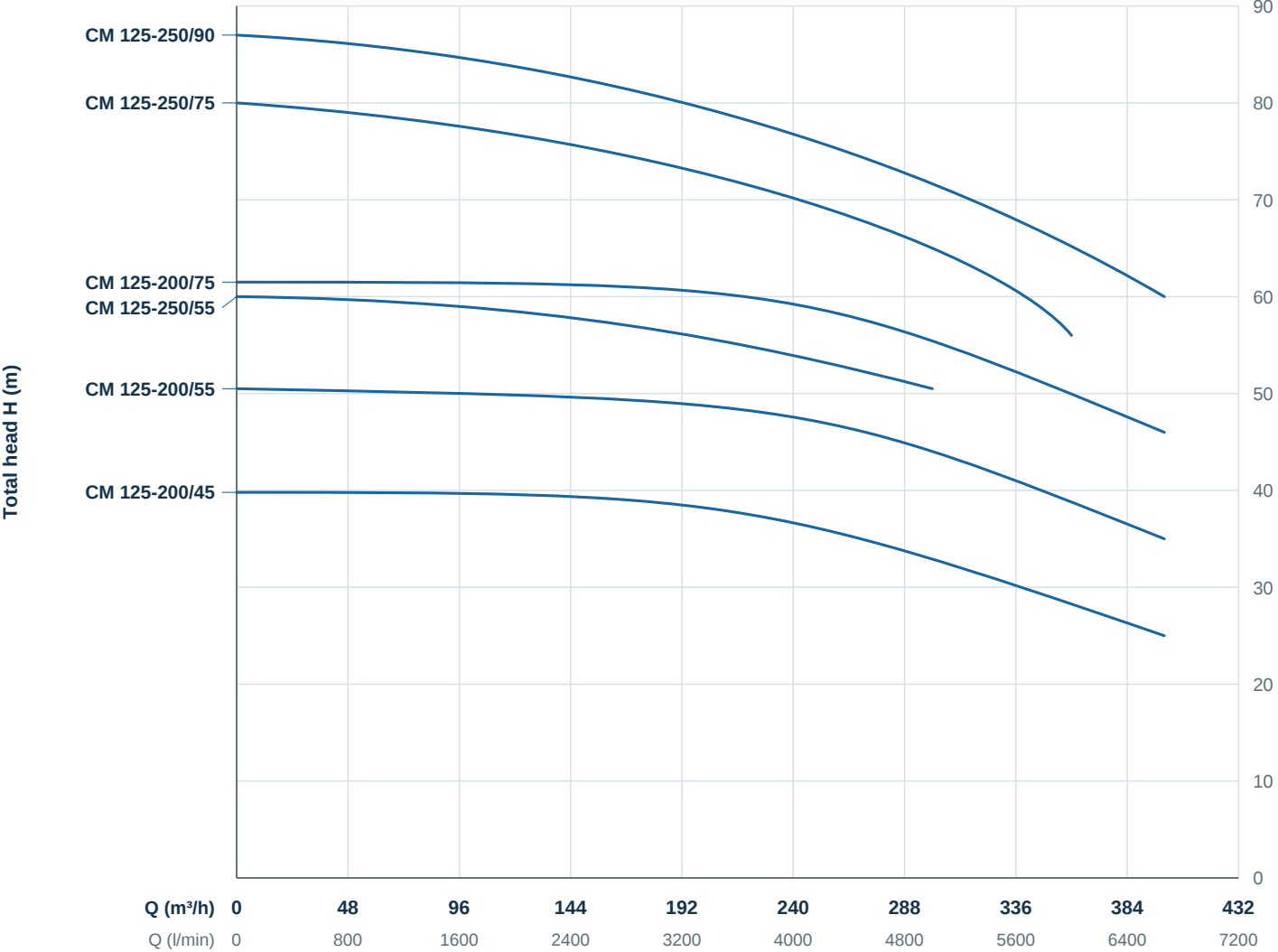
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TECHNICAL SHEET

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Shaft seal	Mechanical seal
Bearing	Grease-lubricated rolling bearings

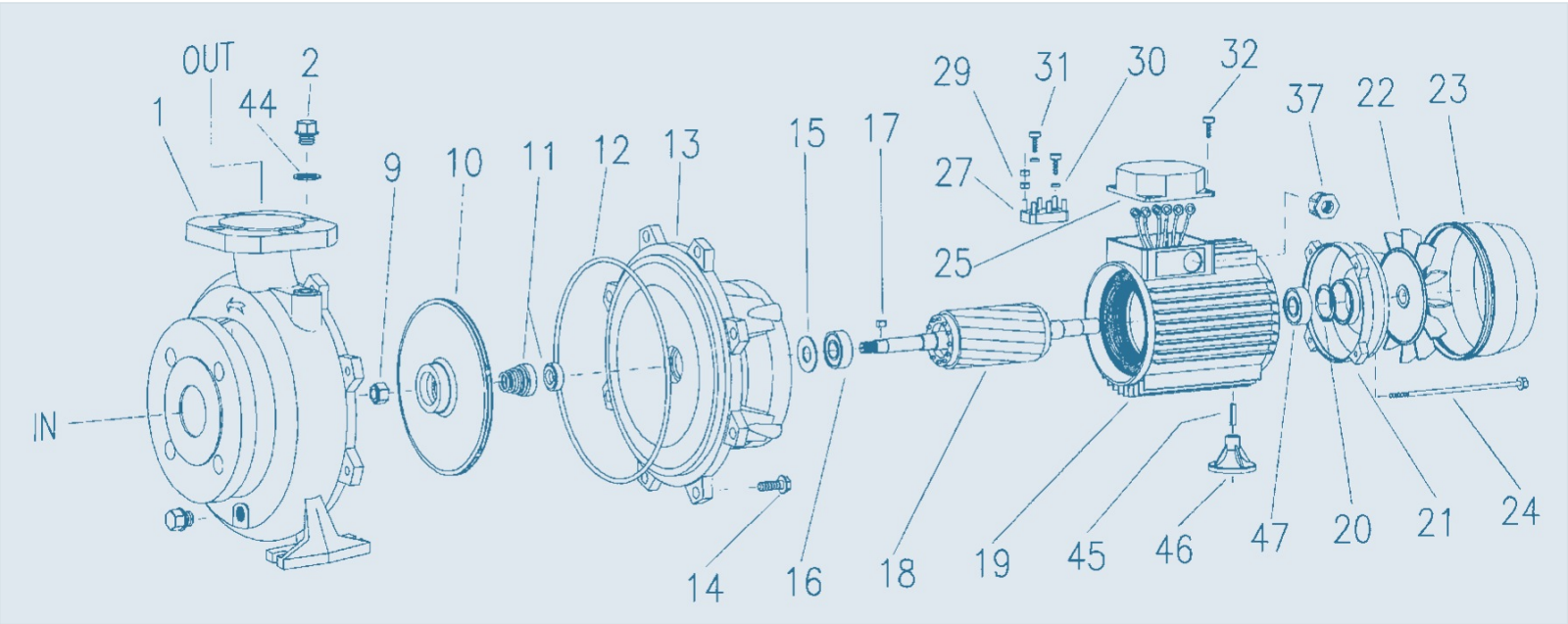


PERFORMANCE DATA

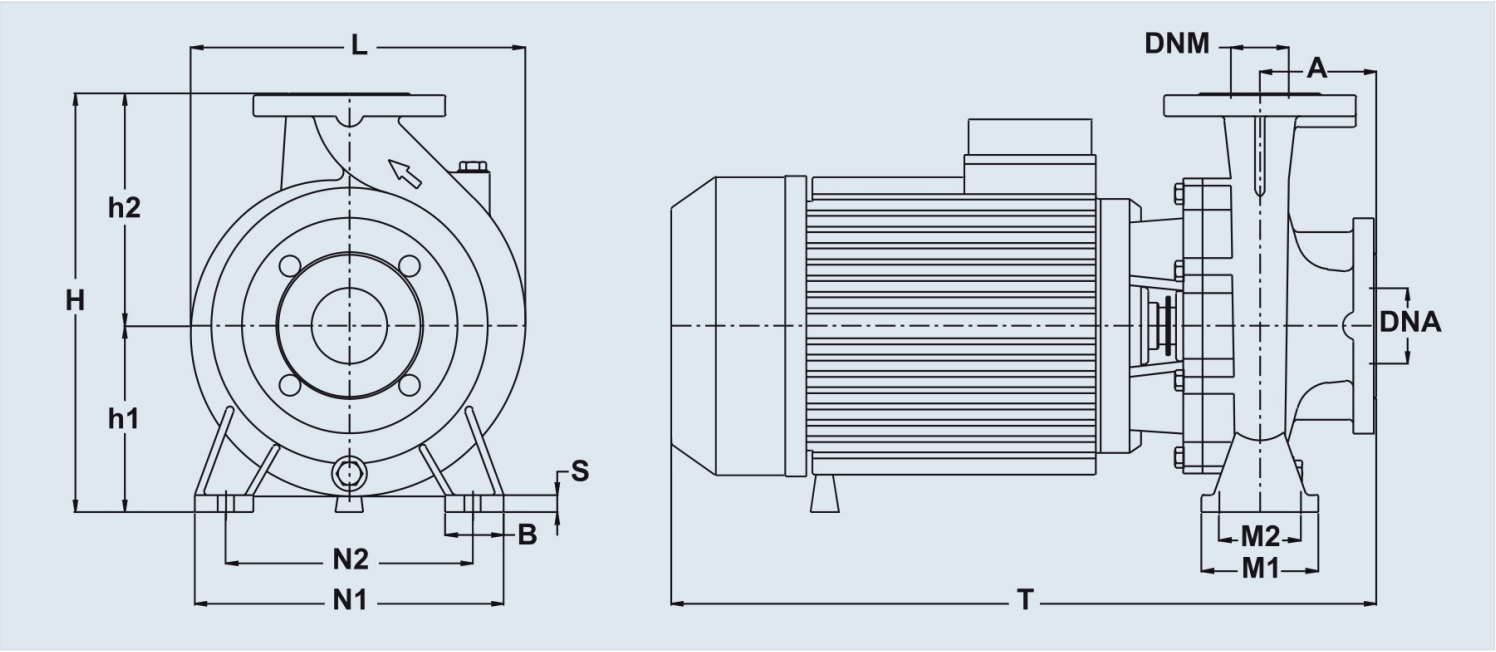
50 Hz | n ≈ 2900 /min | 3~ 380–415 V

MODEL	DN mm	P ₂		Q	m³/h l/min	0	120	144	180	200	210	220	240	280	300	360	400
		kW	HP			0	2000	2400	3000	3333	3500	3667	4000	4667	5000	6000	6667
CM 125-200/45	150 × 125	45	60	H (m)		39.8	39.3	39.2	39	38.9	38.9	38.8	37.5	35	34	28.6	25
CM 125-200/55	150 × 125	55	75			50.5	49.3	49.2	49	48.9	48.9	48.8	47.5	45	44	38.6	35
CM 125-200/75	150 × 125	75	100			61.5	60.3	60.2	60	59.9	59.9	59.8	58.5	56	55	49.6	46
CM 125-250/55	150 × 125	55	75			60	58.5	57.8	56.6	55.8	55.4	54.9	53.9	51.7	50.5	—	—
CM 125-250/75	150 × 125	75	100			80	76.5	75.5	74	73	72	71.5	70	67	65	56	—
CM 125-250/90	150 × 125	90	125			87	84	82.5	81	79.5	79	78	77	73.5	71.5	65	60

EXPLODED VIEW



DIMENSION DRAWING



PARTS LIST

No.	DESCRIPTION	MATERIAL
1	Pump body	G20 Cast iron
2	Screw plug 1/4" GAS	Brass
9	Self-locking nut	Brass
10	Impeller	Cast iron / AISI 304 / Brass
11	Mech. seal (stationary - rotating)	Ceram./graph.
12	O-ring	Nitrile rubber
13	Motor bracket	G20 Cast iron
14	Screw	FE 8.8
15	Splash ring	Rubber
16	Bearing	AISI 316
17	Key	AISI 316
18	Drive shaft + rotor	AISI 316
19	Motor casing + stator	Aluminium
20	Ring	Steel
21	Shield	Aluminium
22	Cooling fan	Plastic
23	Fan cover	Light alloy
24	Tie rod	FE 8.8
25	Box	Aluminium
27	Terminal box	Special alloy
29	Terminal nut	Brass
30	Washer	Brass
31	Self-tapping screw	FE 8.8
32	Self-tapping screw	FE 8.8
37	Cable gland	Plastic
44	Screw plug washer	FE 8.8
45	Pin	AISI 316
46	Foot (CM 40-160/3 - /4; CM 50-125/3 - /4)	Plastic
46	Foot	FE
47	Bearing	AISI 316

DIMENSIONS (mm) · PACKING (mm)

MODEL	DIMENSIONS (mm)														PACKING (mm)		
	A	H	h1	h2	L	M1	M2	N1	N2	B	S	T	DNA	DNM	L	H	P
CM 32-200/3	80	340	160	180	260.5	100	70	240	190	50	14	450	50	32	540	360	290
CM 32-200/4	80	340	160	180	260.5	100	70	240	190	50	14	450	50	32	540	360	290
CM 32-250/5.5	80	340	160	180	268	100	70	240	190	50	15	541	50	32	660	520	350
CM 32-250/7.5	80	340	160	180	268	100	70	240	190	50	15	541	50	32	660	520	350
CM 40-160/3	80	292	132	160	245.5	100	70	240	190	50	15	460	65	40	540	360	290
CM 40-160/4	80	292	132	160	245.5	100	70	240	190	50	15	460	65	40	540	360	290
CM 40-200/5.5	100	340	160	180	275	100	70	265	212	50	15	560	65	40	660	520	350
CM 40-200/7.5	100	340	160	180	275	100	70	265	212	50	15	560	65	40	660	520	350
CM 40-250/11	100	405	180	225	310	125	95	320	250	65	15	600	65	40	660	520	350
CM 40-250/15	100	405	180	225	310	125	95	320	250	65	15	600	65	40	660	520	350
CM 50-125/3	100	292	132	160	228	100	70	240	190	50	14	482	65	50	540	360	290
CM 50-125/4	100	292	132	160	228	100	70	240	190	50	14	482	65	50	540	360	290
CM 50-160/5.5	100	340	160	180	256	100	70	265	212	50	14	560	65	50	660	520	350
CM 50-160/7.5	100	340	160	180	256	100	70	265	212	50	14	560	65	50	660	520	350
CM 50-200/9.2	100	360	160	200	287	100	70	265	212	50	15	565	65	50	660	520	350
CM 50-200/11	100	360	160	200	287	100	70	265	212	50	15	605	65	50	660	520	350
CM 50-200/15	100	360	160	200	287	100	70	265	212	50	15	605	65	50	660	520	350
CM 50-250/18.5	100	405	180	225	332	125	95	320	250	65	15	724.5	65	50	810	570	360
CM 50-250/22	100	405	180	225	332	125	95	320	250	65	15	724.5	65	50	810	570	360
CM 65-125/5.5	100	340	160	180	252	125	95	280	212	65	15	565	80	65	660	520	350
CM 65-125/7.5	100	340	160	180	252	125	95	280	212	65	15	565	80	65	660	520	350
CM 65-160/9.2	100	360	160	200	269	125	95	280	212	65	15	565	80	65	660	520	350
CM 65-160/11	100	360	160	200	269	125	95	280	212	65	15	605	80	65	660	520	350
CM 65-160/15	100	360	160	200	269	125	95	280	212	65	15	605	80	65	660	520	350
CM 65-200/18.5	100	405	180	225	330	125	95	320	250	65	15	725	80	65	810	570	360
CM 65-200/22	100	405	180	225	330	125	95	320	250	65	15	725	80	65	810	570	360
CM 65-250/30	100	450	200	250	370	160	120	360	280	80	16	850	80	65	850	490	380
CM 65-250/37	100	450	200	250	370	160	120	360	280	80	16	850	80	65	850	490	380
CM 80-160/11	125	405	180	225	328	125	95	320	250	65	15	635	100	80	660	520	350
CM 80-160/15	125	405	180	225	328	125	95	320	250	65	15	635	100	80	660	520	350
CM 80-160/18.5	125	405	180	225	330	125	95	320	250	65	15	755	100	80	810	530	360
CM 80-160/22	125	405	180	225	330	125	95	320	250	65	15	755	100	80	810	570	360
CM 80-200/30	125	405	180	250	355	125	95	345	280	65	16	840	100	80	850	490	380

Dimensions are listed for 33 of the 87 CM models.

FLANGES (MM)

DN	K	D	C	Holes	Ø
32	100	140	78	4	18
40	110	150	88	4	18
50	125	165	102	4	18
65	145	185	122	4	18
80	160	200	138	4	18
100	180	220	158	8	18