

NOCCHI

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THE NEW GENERATION

NOCCHI
MULTINOX-VE +



NOCCHI MULTINOX-VE+ VERTICAL MULTI-STAGE CENTRIFUGAL PUMPS

SUPERIOR HYDRAULIC EFFICIENCY, ROBUST AND RESISTANT



NEW

The MULTINOX-VE+ series of vertical multi-cell centrifugal pumps are the ideal solution for use in lifting stations, above all where optimal performance and silent operation are needed with a compact overall layout.

APPLICATION DATA

- Type of liquid: clean water without suspended solid bodies or abrasive material.
- Maximum liquid temperature: 50°C.
- Maximum recommended suction height: 6 m with foot valve.
- Maximum operating pressure: 9 bar.
- 12 bar (versions MULTINOX-VE+ 4-90 and 6-90)
- 16 bar (version MULTINOX-VE+ 4-120)
- 20 bar (versions MULTINOX-VE+ 8-90 and 8-120)

APPLICATIONS

- Lifting and distribution of water in domestic systems, with continuous or intermittent duty.
- Pressure booster systems.
- Fire fighting systems.
- Washing, garden irrigation, fountains.

MOTOR

- Closed, ventilated from exterior.
- Protection rating IP 44.
IP55 MULTINOX-VE+ 8-90.
IP55 MULTINOX-VE+ 8-120.
- Insulation class F.
- Single phase power supply with permanently activated capacitor and thermal cutout protection incorporated in the motor winding.
- Three phase power supply with external protection to be fitted by the user.
- Rotation speed 2850 rpm.
- Continuous duty.

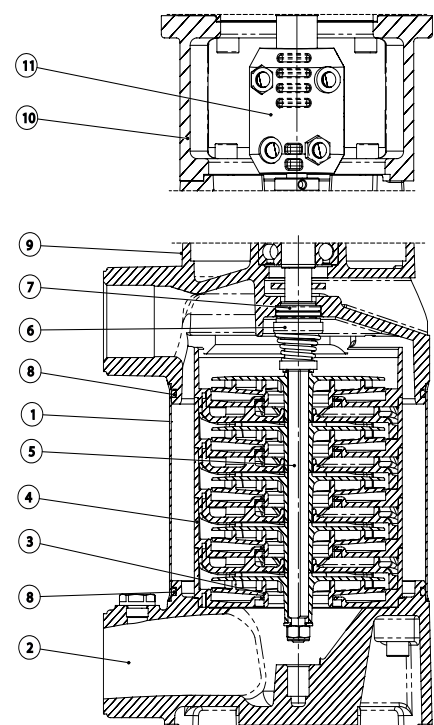


MULTINOX-VE+ 8-90*
MULTINOX-VE+ 8-120*

*Available from March 2015

TABLE OF MATERIALS

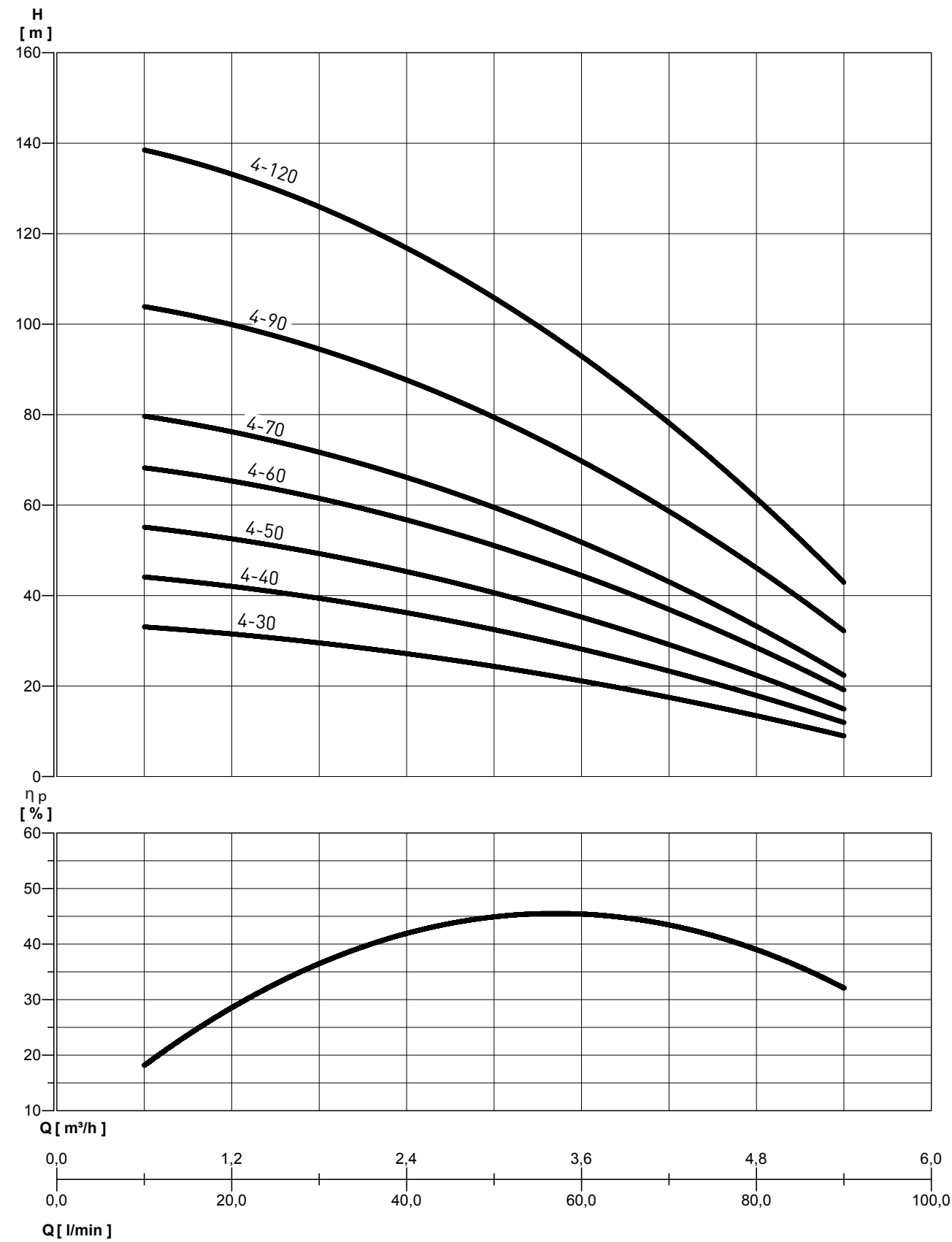
Component		Material
1	Outer sleeve	Stainless steel EN 10088-1 - X5 CrNi 1810 (AISI 304)
2	Suction flange	Cast iron EN GJL 200
3	Impellers	Technopolymer
4	Diffusers	Technopolymer
5	Shaft (hydraulic section)	Stainless steel EN 10088-1 - X5 CrNi 1810 (AISI 304)
6	Mechanical seal	Graphite/Silicon Carbide for MULTINOX-VE+ 8-90 and 8-120
7	Counterface	Al-Oxide/Graphite for MULTINOX-VE+ 8-90 and 8-120
8	Seals	Rubber Nitril-Butadiene (NRB)
9	Motor bracket discharge port	Cast iron EN GJL 200
10	Motor stool	Cast iron EN GJL 200
11	Motor coupling	Aluminium alloy



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HYDRAULIC PERFORMANCE



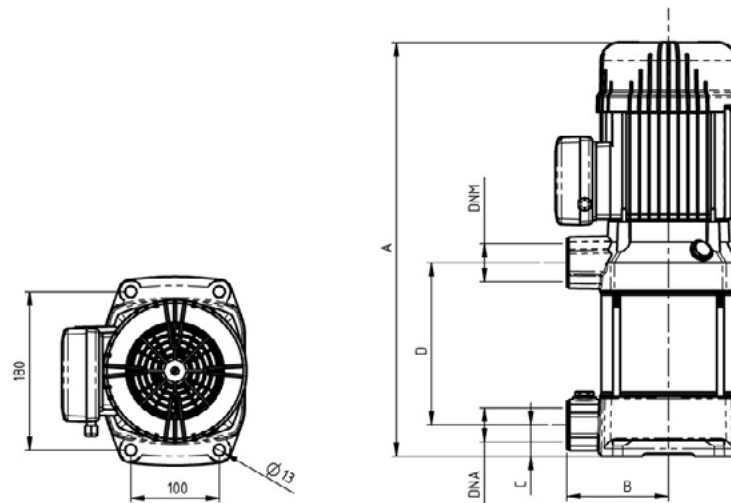
MEI ≥ 0.4 - MEI reference ≥ 0.70 - The reference efficiency information is available on the website: www.europump.org/efficiencycharts

NOCCHI MULTINOX-VE+

VERTICAL MULTI-STAGE CENTRIFUGAL PUMPS

PERFORMANCE TABLE

MODEL	Nominal Power (P2)		Motor Power (P1)		VOLTAGE (V)	In (A)	μF	Q	L/min	10	30	40	50	60	70	90
	HP	kW	HP	kW					m³/h	0,6	1,8	2,4	3	3,6	4,2	5,4
MULTINOX VE+ 4-30 M MULTINOX VE+ 4-30 T	0,68	0,5	1,2 1	0,86 0,73	1 ~ 230 3 ~ 230/400	3,6 2,6-1,5	20	m.c.a. / m.c.w.	33	30	27	24	21	17	17	9
MULTINOX VE+ 4-40 M MULTINOX VE+ 4-40 T	0,91	0,67	1,4 1,3	1 0,97	1 ~ 230 3 ~ 230/400	4,4 3,1-1,8	20		44	40	36	32	28	23	23	12
MULTINOX VE+ 4-50 M MULTINOX VE+ 4-50 T	1,1	0,84	1,8 1,6	1,3 1,16	1 ~ 230 3 ~ 230/400	5,3 4-2,3	20		55	50	45	41	35	29	29	15
MULTINOX VE+ 4-60 M MULTINOX VE+ 4-60 T	1,4	1	2 1,9	1,5 1,4	1 ~ 230 3 ~ 230/400	6,6 4,3-2,5	25		68	62	57	51	44	37	37	19
MULTINOX VE+ 4-70 M MULTINOX VE+ 4-70 T	1,6	1,17	2,4 2,3	1,8 1,7	1 ~ 230 3 ~ 230/400	7,7 5-2,8	25		79	72	67	59	51	43	43	22
MULTINOX VE+ 4-90 T	2	1,5	2,6	1,9	3 ~ 230/400	7,1-4			104	95	88	79	69	59	59	32
MULTINOX VE+ 4-120 T	3	2	3,7	2,7	3 ~ 230/400	8,5-4,8			138	127	117	105	92	78	78	43



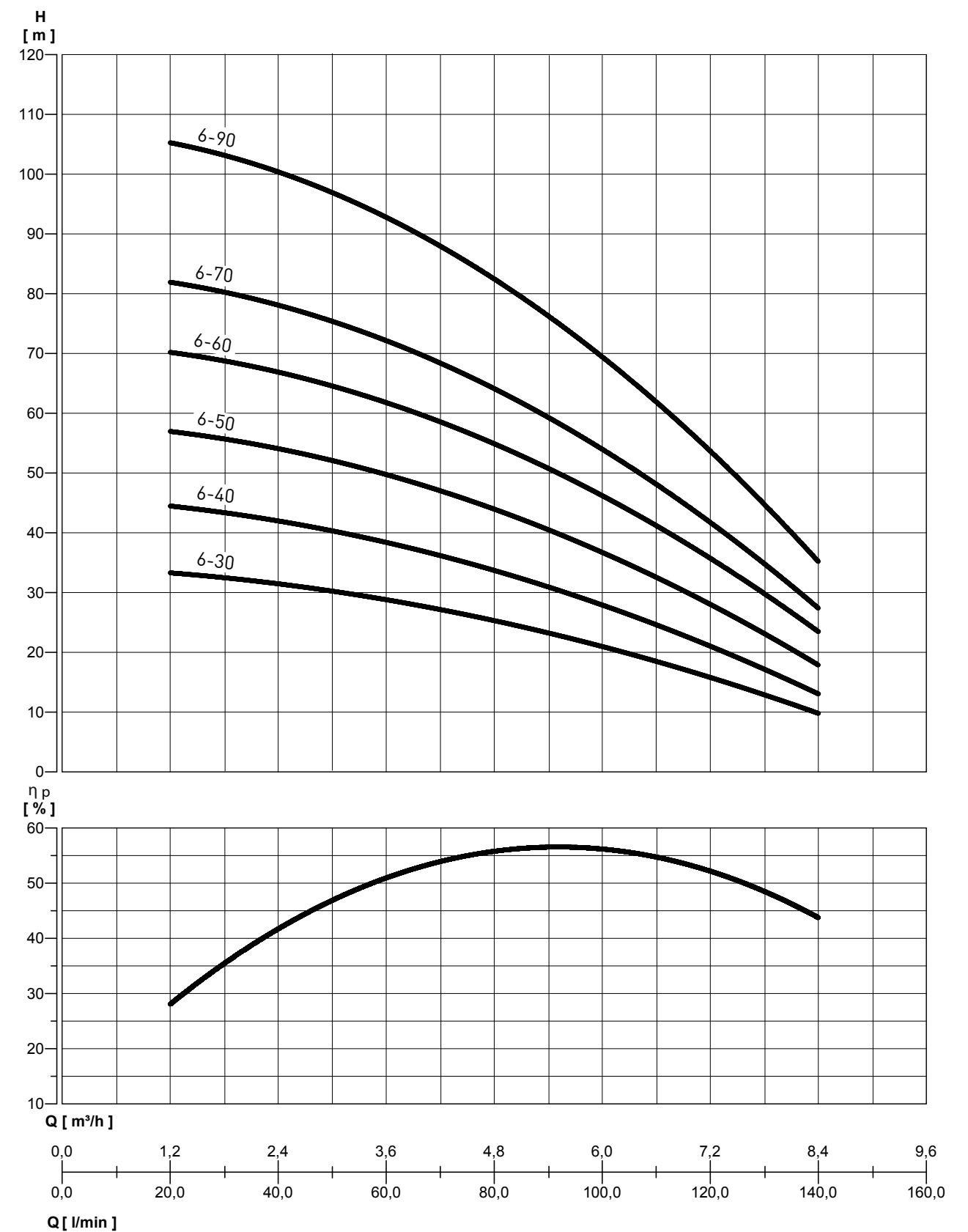
OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions (mm)						Weight (kg)
	A	B	C	D	DNA	DNM	
MULTINOX VE+ 4-30	416	115	35	130	1" 1/4	1" 1/4	19
MULTINOX VE+ 4-40	443	115	35	157	1" 1/4	1" 1/4	21
MULTINOX VE+ 4-50	470	115	35	184	1" 1/4	1" 1/4	23
MULTINOX VE+ 4-60	497	115	35	211	1" 1/4	1" 1/4	25
MULTINOX VE+ 4-70	524	115	35	238	1" 1/4	1" 1/4	27
MULTINOX VE+ 4-90	578	115	35	292	1" 1/4	1" 1/4	28
MULTINOX VE+ 4-120	660	115	35	373	1" 1/4	1" 1/4	30

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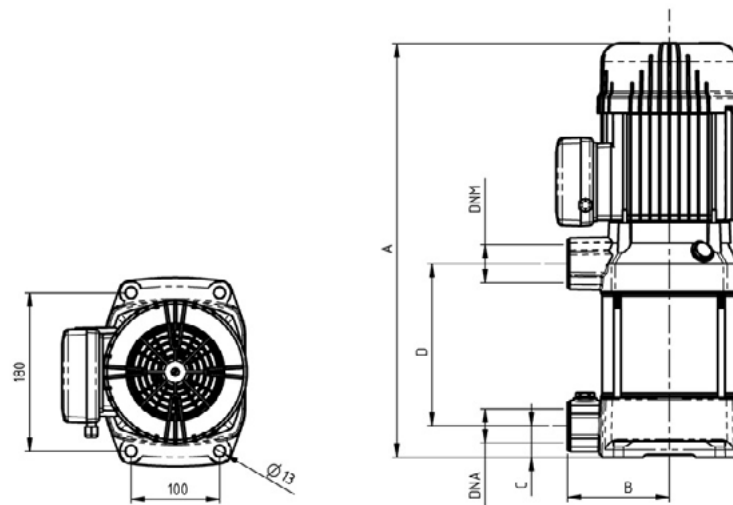
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PERFORMANCE TABLE

MODEL	Nominal Power (P2)		Motor Power (P1)		VOLTAGE (V)	In (A)	μF	Q	L/min	20	40	60	80	100	120	140
	HP	kW	HP	kW					m³/h	1,2	2,4	3,6	4,8	6	7,2	8,4
MULTINOX VE+ 6-30 M MULTINOX VE+ 6-30 T	0,9	0,67	1,4 1,3	1 0,97	1 ~ 230 3 ~ 230/400	4,4 3,1-1,8	20	m.c.a. / m.c.w.		34	31	28	26	21	16	10
MULTINOX VE+ 6-40 M MULTINOX VE+ 6-40 T	1,2	0,9	1,9 1,6	1,36 1,2	1 ~ 230 3 ~ 230/400	6,4 2,3-4	25			45	41	38	34	28	21	13
MULTINOX VE+ 6-50 M MULTINOX VE+ 6-50 T	1,50	1,1	2,2 1,9	1,6 1,4	1 ~ 230 3 ~ 230/400	7 4,7-2,6	35			58	53	49	44	37	28	17
MULTINOX VE+ 6-60 M MULTINOX VE+ 6-60 T	1,8	1,3	2,6 2,3	1,9 1,7	1 ~ 230 3 ~ 230/400	8 5,3-3	35			71	66	61	55	47	36	23
MULTINOX VE+ 6-70 T	2	1,5	2,7	2	3 ~ 230/400	7,2-3,8				83	77	71	64	55	42	27
MULTINOX VE+ 6-90 T	3	2	3,5	2,6	3 ~ 230/400	8,2-4,5				107	99	92	83	71	54	34



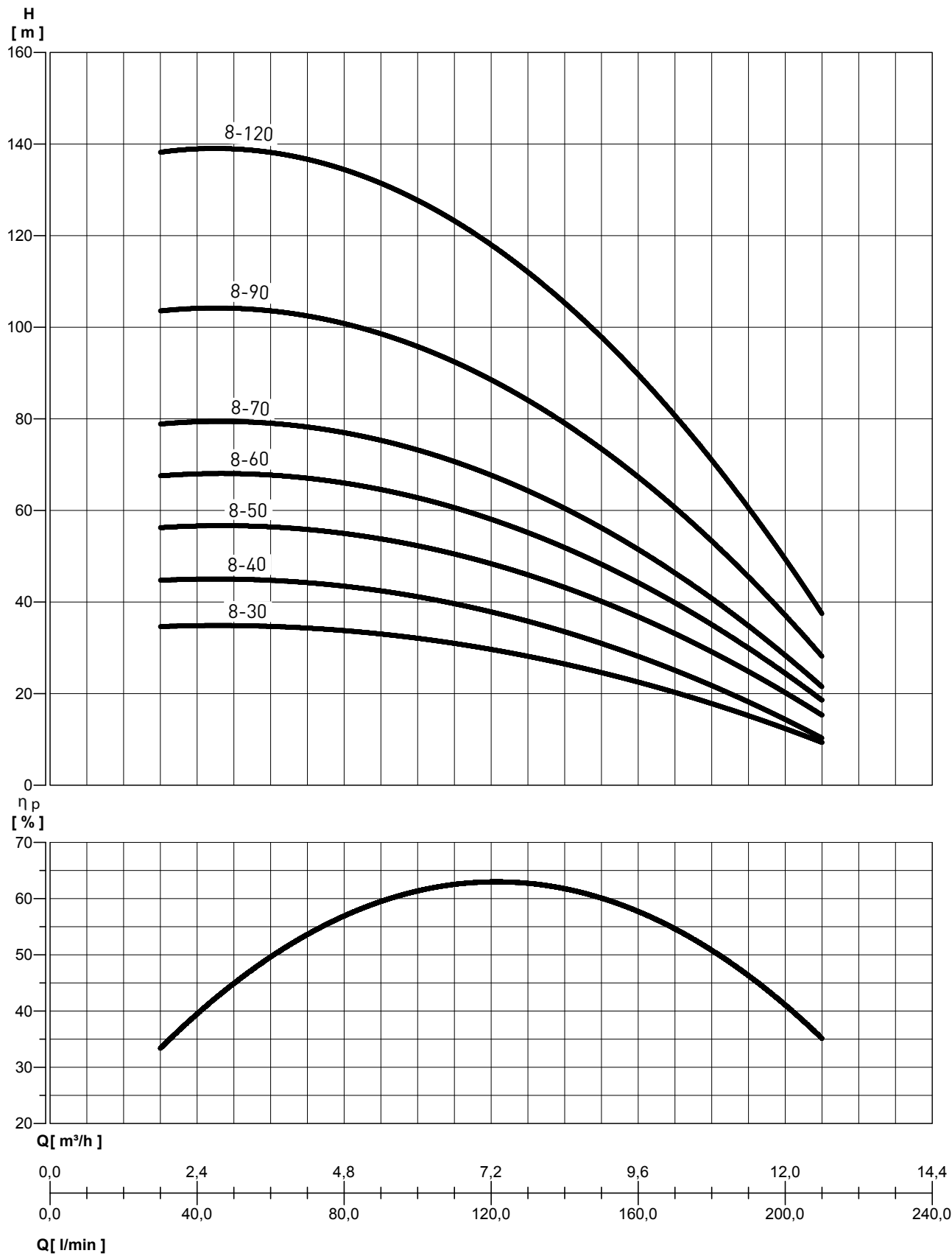
OVERALL DIMENSIONS AND WEIGHTS

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	A	B	C	D	DNA	DNM	
MULTINOX VE+ 6-30	416	115	35	130	1" 1/4	1" 1/4	19
MULTINOX VE+ 6-40	443	115	35	157	1" 1/4	1" 1/4	21
MULTINOX VE+ 6-50	470	115	35	184	1" 1/4	1" 1/4	23
MULTINOX VE+ 6-60	497	115	35	211	1" 1/4	1" 1/4	25
MULTINOX VE+ 6-70	524	115	35	238	1" 1/4	1" 1/4	27
MULTINOX VE+ 6-90	578	115	35	292	1" 1/4	1" 1/4	28

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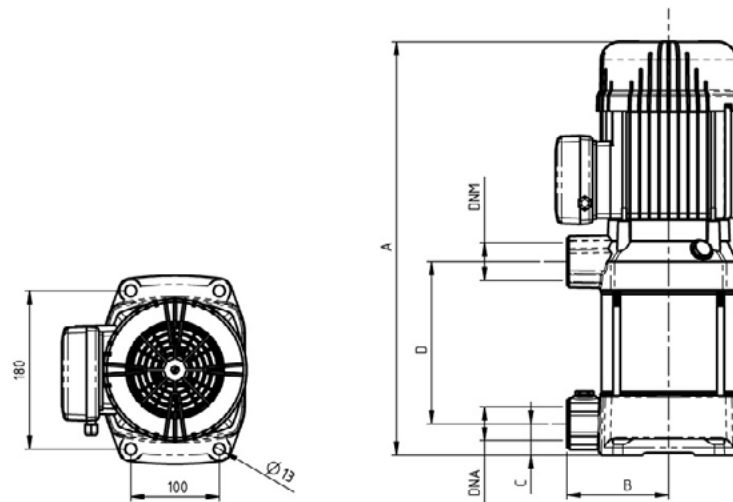
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MODEL	Nominal Power (P2)		Motor Power (P1)		VOLTAGE (V)	In (A)	μF	Q	L/min	30	60	90	120	150	180	210
	HP	kW	HP	kW					m³/h	1,8	3,6	5,4	7,2	9	10,8	12,6
MULTINOX VE+ 8-30 M MULTINOX VE+ 8-30 T	1,35	1	1,9	1,4	1 ~ 230 3 ~ 230/400	6,3	20	m.c.a. / m.c.w.		35	35	33	30	25	18	10
			1,7	1,3		4-2,3										
MULTINOX VE+ 8-40 M MULTINOX VE+ 8-40 T	4	1,2	2,3	1,7	1 ~ 230 3 ~ 230/400	7,8	25			45	44	42	39	32	20	11
			2,3	1,7		5,7-3,3										
MULTINOX VE+ 8-50 M MULTINOX VE+ 8-50 T	2	1,5	3	2,2	1 ~ 230 3 ~ 230/400	9,5	35			57	56	53	50	40	28	16
			2,8	2,1		6-3,7										
MULTINOX VE+ 8-60 T	2,3	1,7	3,3	2,4	3 ~ 230/400	6,7-4,7				68	67	64	60	48	34	19
MULTINOX VE+ 8-70 T	2,5	1,9	3,4	2,5	3 ~ 230/400	7-4,9		80	78	74	70	56	40	22		
MULTINOX VE+ 8-90 T	4	3	4,4	3,2	3 ~ 230/400	10,2-5,9		104	103	98	90	73	52	29		
MULTINOX VE+ 8-120 T	5,5	4	6,2	4,6	3 ~ 230/400	13,5-7,6		139	138	131	120	98	70	38		



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions (mm)						Weight (kg)
	A	B	C	D	DNA	DNM	
MULTINOX VE+ 8-30	416	115	35	130	1" 1/4	1" 1/4	19
MULTINOX VE+ 8-40	443	115	35	157	1" 1/4	1" 1/4	21
MULTINOX VE+ 8-50	470	115	35	184	1" 1/4	1" 1/4	23
MULTINOX VE+ 8-60	497	115	35	211	1" 1/4	1" 1/4	25
MULTINOX VE+ 8-70	524	115	35	238	1" 1/4	1" 1/4	27
MULTINOX VE+ 8-90	730	115	35	292	1" 1/4	1" 1/4	36
MULTINOX VE+ 8-120	855	115	35	373	1" 1/4	1" 1/4	39



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Continuous **Development** with our engineer team using the most advanced technology in order to develop products respecting the environment

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