



Technical data

Date	9/22/2025
Offer N.	---
Pump Type	4MA100-315A

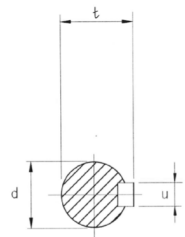
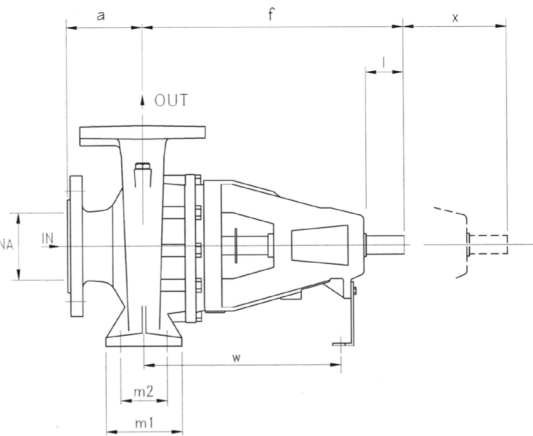
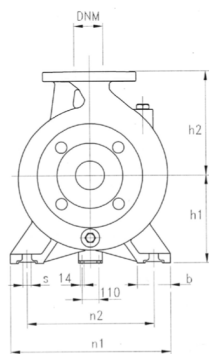
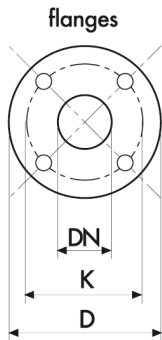
Client	EES GmbH	Reference	---
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Pump data

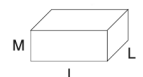
Pump body and rear shield	Cast iron GJL-250	Bare-shaft centrifugal pumps manufactured in accordance with EN 733 and widely used in water supply, pressure boosting and fire fighting systems. The pumps are equipped with counter flanges and can be provided with the motor assembled on a common base frame. In the standard version the pumps have cast iron impeller and mechanical seal. On request are available bronze or stainless steel AISI316 impeller and gland packing seal. In the "X" version all the wet parts of the pump are made of AISI 316.
Impeller	Cast iron GJL-250 On request bronze or stainless steel AISI 316	
Pump bearings support	Cast iron GJL-250	
Type of seal	Mechanical ceramic-graphite On request: gland packing graphite	
Pump shaft end	Stainless steel AISI 316 EN X5CrNiMo17-12-2	
Liquid temperature	-10°C +90°C	
Operating pressure	Max 10 bar	

P2	Motor Size	Q (m3/h - l/min)									
(kW)		0	72	78	84	108	132	156	180	204	216
		0	1200	1300	1400	1800	2200	2600	3000	3400	3600
		H (m)									
18,5	180M	37.1	36.5	36.1	35.7	34	32.2	30.2	27.9	24.7	23.1

Technical Sheet



DIMENSIONS (mm)				
DN	D	K	holes	
			n°	Ø
32	140	100	4	18
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	8	18
100	220	180	8	18
125	250	210	8	18



DNA	DNM	DIMENSIONS (mm)																			Kg
		a	f	h1	h2	m1	m2	n1	n2	s	b	l	d	t	u	x	w	i	L	M	
125	100	140	470	250	315	160	120	400	315	18	80	80	32	35,3	10	140	340	655	465	620	122

Notes

The information may be subject to change without notice. It is always advisable to contact our commercial department in order to get further information about the products, their technical specifications and warranty conditions. The Company is expressly relieved of any liability for the purchasing of a product not in line with the customer's needs, if not consulted beforehand for a specific consultancy.

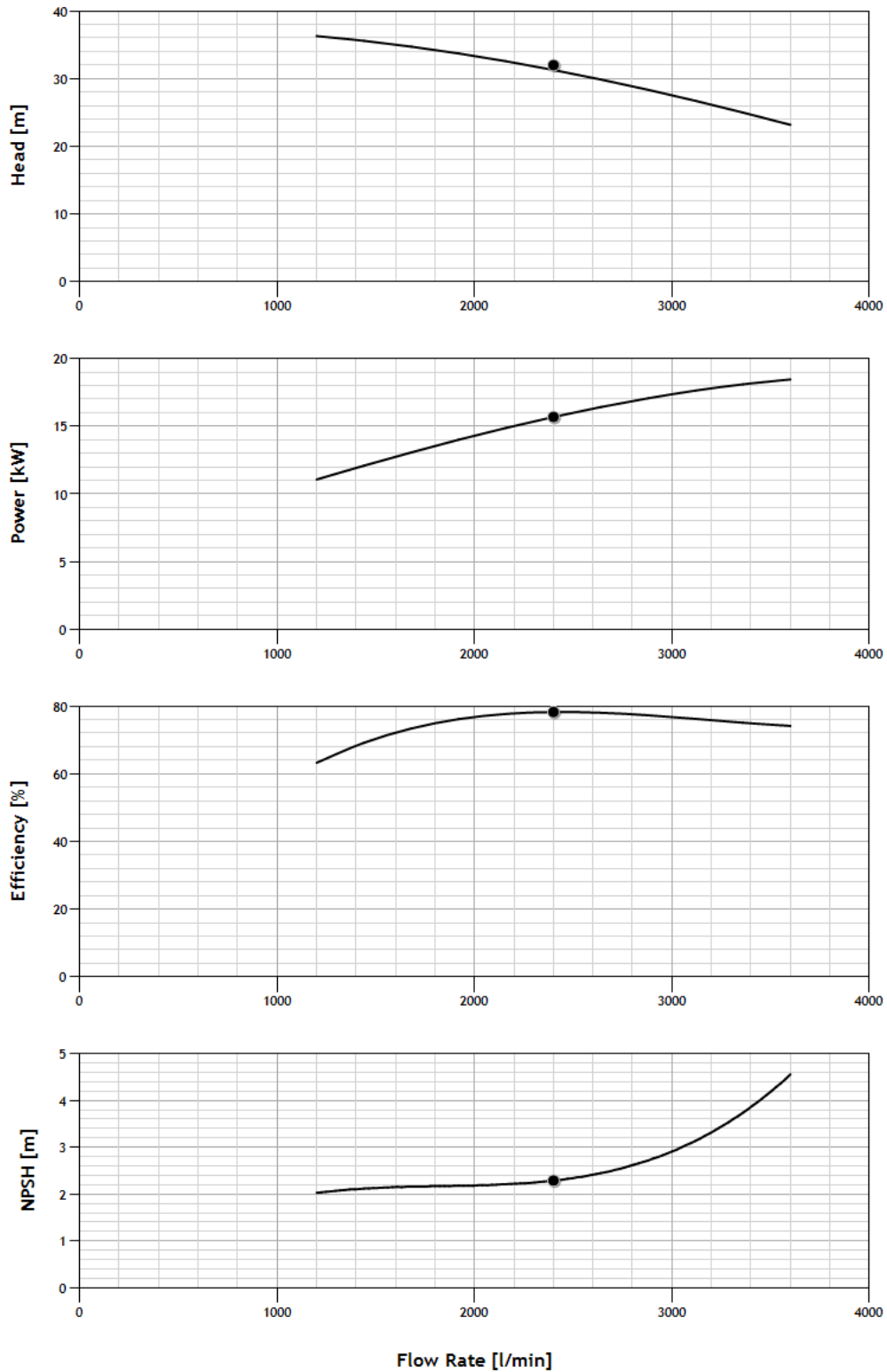


Working Curves

Pump type: 4MA100-315A

Curv n°:	4MA100-315A
Date:	9/22/2025
Pump Speed	1450 rpm

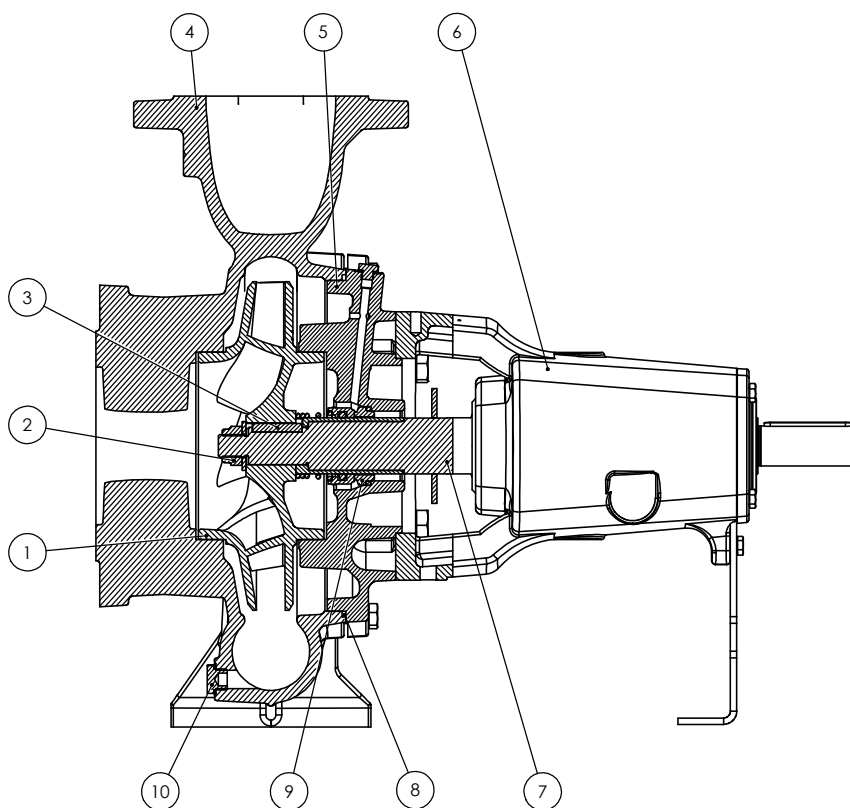
Q (l/min) 2400 | H (m) 32 | Power [kW] 15.69 | Efficiency % 78.26 | NPSH (m) 2.29



MEI ≥ 0.4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

MA-4MA Series

Models list and materials

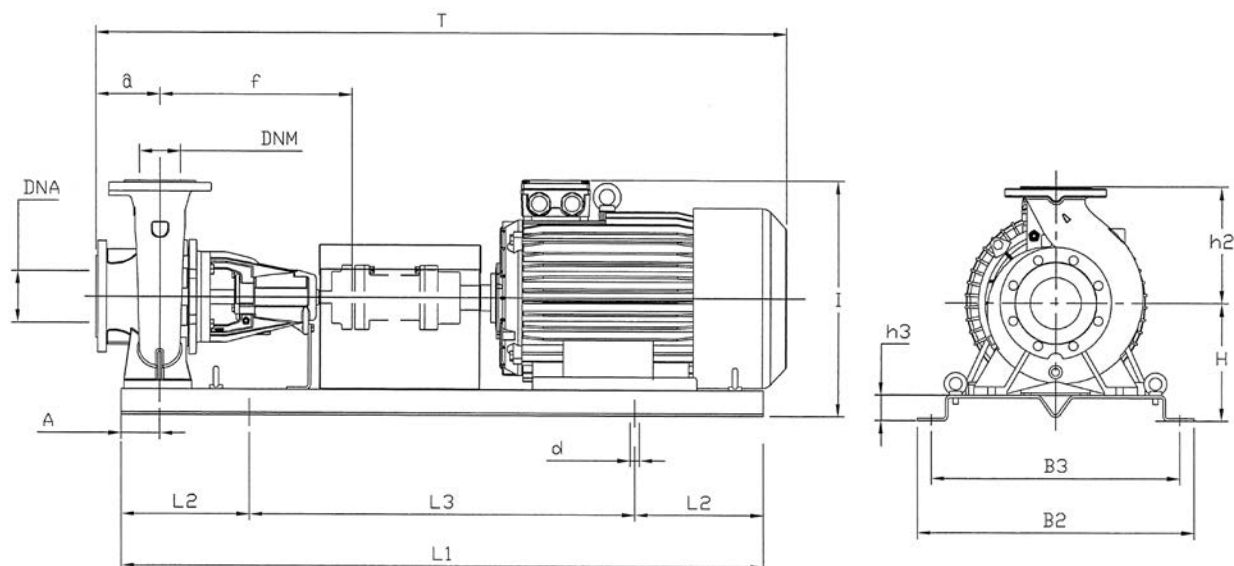


POS. N.	DENOMINATION	VERSION	MATERIAL	REFERENCE STANDARDS	
				EUROPE	USA
1	Impeller	Standard B X	Cast iron G20 Bronze Stainless steel	GJL-200 (JL1030) CuSn10-C (CC480K) X5CrNiMo17-12-2/ 1.4401	ASTM Class 30 UNS C90700 AISI 316
2	Impeller lock nut and washer		Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
3	Impeller key		Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
4	Volute casing	Standard for models up to 80-200 Standard from model 80-250 X	Cast iron G20 Cast iron G25 Stainless steel	GJL-200 (JL1030) GJL-250 (JL1040) X5CrNiMo17-12-2/ 1.4401	ASTM Class 30 ASTM Class 35 AISI 316
5	Casing cover	Standard X	Cast iron G20 Stainless steel	GJL-200 (JL1030) X5CrNiMo17-12-2/ 1.4401	ASTM Class 30 AISI 316
6	Bracket		Cast iron G20	GJL-200 (JL1030)	ASTM Class 30
7	Shaft		Stainless steel	X5CrNiMo17-12-2/ 1.4401	AISI 316
8	O-ring	Standard E V	NBR EPDM FKM		
9	Mechanical seal		(Search for the material in the mechanical seal table)		
10	Fill and drain plugs	Standard X	Brass Stainless steel	CU ZN 40 PB2 UNI 5705/65 X5CrNiMo17-12-2/ 1.4401	C37700 AISI 316

MA-4MA Series-Mechanical seal and bearings

MECHANICAL SEAL	PUMP MODEL	SHAFT Ø		STANDARD MATERIAL	OPTIONAL			
	MA32-160C, MA32-160B, MA32-160A, MA40-125C, MA40-125B, MA40-125A	20mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Ceramic Graphite NBR	Ceramic Graphite EPDM	- - -	SiC SiC EPDM	SiC SiC FKM
	MA40-250BM, MA40-250AM	28mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Ceramic Graphite EPDM	- - -	- - -	SiC SiC EPDM	SiC SiC FKM
	MA32-200C, MA32-200B, MA32-200A, MA32-250C, MA32-250B, MA32-250A, MA40-160B, MA40-160A, MA40-200B, MA40-200A, MA40-250C, MA40-250B, MA40-250A, MA50-125B, MA50-125A, MA50-160B, MA50-160A, MA50-200C, MA50-200B, MA50-200A, MA50-250C, MA50-250B, MA50-250A, MA65-125B, MA65-125A, MA65-160C, MA65-160B, MA65-160A, MA65-200C, MA65-200B, MA65-200A, MA80-160E, MA80-160D, MA80-160C, MA80-160B, MA80-160A	28mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Ceramic Graphite NBR	Ceramic Graphite EPDM	Ceramic Graphite FKM	SiC SiC EPDM	SiC SiC FKM
	4MA50-315C, 4MA50-315B, 4MA50-315A, MA65-250B, MA65-250A, 4MA65-315CM, 4MA65-315BM, 4MA65-315AM, MA80-200B, MA80-200A, 4MA80-315B, 4MA80-315A, 4MA100-315	40mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	CrNi-steel Graphite NBR	CrNi-steel Graphite EPDM	CrNi-steel Graphite FKM	SiC SiC EPDM	SiC SiC FKM
	MA50-315DN, MA50-315CN, MA50-315BN, MA50-315AN, MA65-315CN, MA65-315BN, MA65-315AN, MA80-315BN, MA80-315AN	40mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	SiC SiC EPDM	- - -	- - -	- - -	SiC SiC FKM
	MA80-250B, MA80-250A, MA100-200B, MA100-200A, MA100-250C, MA100-250B, MA100-250A, 4MA100-250E, 4MA125-250B, 4MA125-250A	45mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	CrNi-steel Graphite NBR	CrNi-steel Graphite EPDM	CrNi-steel Graphite FKM	SiC SiC EPDM	SiC SiC FKM
	4MA100-400C, 4MA100-400B, 4MA100-400A, 4MA125-315C, 4MA125-315B, 4MA125-315A, 4MA125-400C, 4MA125-400B, 4MA125-400A, 4MA150-315C, 4MA150-315B, 4MA150-315A, 4MA150-400B, 4MA150-400A	55mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Graphite SiC FKM	- - -	- - -	SiC SiC EPDM	SiC SiC FKM
	4MA200-315D, 4MA200-315C, 4MA200-315B, 4MA200-315A, 4MA200-400C, 4MA200-400B, 4MA200-400A, 4MA250-315C, 4MA250-315B, 4MA250-315A, 4MA250-400D, 4MA250-400C, 4MA250-400B, 4MA250-400A	70mm	<i>Rotating face</i> <i>Stationary face</i> <i>Elastomer</i>	Graphite SiC FKM	- - -	- - -	SiC SiC EPDM	SiC SiC FKM

PUMP BEARINGS	PUMP MODEL	TYPE	
	MA32-160C, MA32-160B, MA32-160A, MA32-200C, MA32-200B, MA32-200A, MA32-250C, MA32-250B, MA32-250A, MA40-125C, MA40-125B, MA40-125A, MA40-160B, MA40-160A, MA40-200B, MA40-200A, MA40-250C, MA40-250B, MA40-250A, MA40-250BM, MA40-250AM, MA50-125B, MA50-125A, MA50-160B, MA50-160A, MA50-200C, MA50-200B, MA50-200A, MA50-250C, MA50-250B, MA50-250A, MA65-125B, MA65-125A, MA65-160C, MA65-160B, MA65-160A, MA65-200C, MA65-200B, MA65-200A, MA80-160E, MA80-160D, MA80-160C, MA80-160B, MA80-160A	6306-ZZ C3	6306-ZZ C3
	4MA50-315, MA65-250B, MA65-250A, 4MA65-315CM, 4MA65-315BM, 4MA65-315AM, MA80-200B, MA80-200A, 4MA80-315B, 4MA80-315A, 4MA100-315C, 4MA100-315B, 4MA100-315A	3208-ZZ C3	3208-ZZ C3
	MA50-315DN, MA50-315CN, MA50-315BN, MA50-315AN, MA65-315CN, MA65-315BN, MA65-315AN, MA80-250B, MA80-250A, MA80-315BN, MA80-315AN, MA100-200B, MA100-200A, MA100-250C, MA100-250B, MA100-250A, 4MA100-250E, 4MA125-250B, 4MA125-250A	6209-ZZ C3	6309-ZZ C3
	4MA100-400C, 4MA100-400B, 4MA100-400A, 4MA125-315C, 4MA125-315B, 4MA125-315A, 4MA125-400C, 4MA125-400B, 4MA125-400A, 4MA150-315C, 4MA150-315B, 4MA150-315A, 4MA150-400A, 4MA150-400B	6211-ZZ C3	6311-ZZ C3
	4MA200-315D, 4MA200-315C, 4MA200-315B, 4MA200-315A, 4MA200-400C, 4MA200-400B, 4MA200-400A, 4MA250-315C, 4MA250-315B, 4MA250-315A, 4MA250-400D, 4MA250-400C, 4MA250-400B, 4MA250-400A	6313-ZZ C3	6313-ZZ C3



TYPE	kW	Motor Size	DIMENSIONS (mm)																Kg
			DNA	DNM	a	f	H	h2	h3	L1	L2	L3	B2	B3	A	d	T	I	
32-160C	0,37	71M	50	32	80	360	182	160	50	800	130	540	360	320	60	18	820	342	59,4
32-160B	0,37	71M			80	360	182	160	50	800	130	540	360	320	60	18	820	342	59,4
32-160A	0,55	80M			80	360	182	160	50	800	130	540	360	320	60	18	820	342	59,1
32-200C	0,75	80M			80	360	210	180	50	800	130	540	360	320	60	18	820	390	75,1
32-200B	1,1	90S			80	360	210	180	50	800	130	540	360	320	60	18	855	390	88,1
32-200A	1,1	90S			80	360	210	180	50	800	130	540	360	320	60	18	855	390	88,1
32-250C	1,5	90S			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	106,7
32-250B	1,5	90S			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	106,7
32-250A	2,2	100L			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	112,7
40-125C	0,37	71M	65	40	80	360	162	140	50	800	130	540	360	320	60	18	820	302	59,5
40-125B	0,37	71M			80	360	162	140	50	800	130	540	360	320	60	18	820	302	59,5
40-125A	0,55	80M			80	360	162	140	50	800	130	540	360	320	60	18	820	307	59,2
40-160B	0,55	80M			80	360	182	160	50	800	130	540	360	320	60	18	820	342	62,2
40-160A	0,75	80M			80	360	182	160	50	800	130	540	360	320	60	18	820	342	74,2
40-160AP	0,75	80M			80	360	182	160	50	800	130	540	360	320	60	18	820	342	74,2
40-160AP	1,1	90S			80	360	182	160	50	800	130	540	360	320	60	18	855	342	87,2
40-200B	1,1	90S			100	360	210	180	50	900	150	600	390	350	60	18	940	390	93,8
40-200A	1,1	90S			100	360	210	180	50	900	150	600	390	350	60	18	940	390	93,8
40-200A	1,5	90S			100	360	210	180	50	900	150	600	390	350	60	18	940	390	98,8
40-200AP	1,1	90S			100	360	210	180	50	900	150	600	390	350	60	18	940	390	93,8
40-200AP	1,5	90S			100	360	210	180	50	900	150	600	390	350	60	18	940	390	98,8
40-250C	1,5	90S			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	108,3
40-250B	2,2	100L			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	114,3
40-250A	2,2	100L			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	114,3
50-125B	0,55	80M	65	50	100	360	182	160	50	800	130	540	360	320	60	18	840	342	62,1
50-125A	0,75	80M			100	360	182	160	50	800	130	540	360	320	60	18	840	342	74,1
50-160B	0,75	80M			100	360	210	180	50	800	130	540	360	320	60	18	840	390	78,6
50-160A	1,1	90S			100	360	210	180	50	800	130	540	360	320	60	18	875	390	91,6
50-200C	1,1	90S			100	360	210	200	50	900	150	600	390	350	60	18	940	410	97,2
50-200B	1,5	90S			100	360	210	200	50	900	150	600	390	350	60	18	940	410	102,2
50-200A	1,5	90S			100	360	210	200	50	900	150	600	390	350	60	18	940	410	102,2
50-250C	2,2	100L			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	118,2
50-250B	3	100L			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	122,2
50-250A	4	112M			100	360	230	225	50	1000	170	660	450	400	75	22	1025	455	128,2
50-315C	5,5	132S			125	470	275	280	50	1120	190	740	490	440	75	22	1170	555	200,1
50-315B	7,5	132M			125	470	275	280	50	1120	190	740	490	440	75	22	1200	555	186,6
50-315A	11	160M			125	470	275	280	50	1250	205	840	540	490	75	22	1303	555	260,1

