Technical data

Date	**9/23/2025**
Offer N.	---
Pump Type	**MN40-250A**

Client	**EES GmbH**	Reference	**---**

Pump data

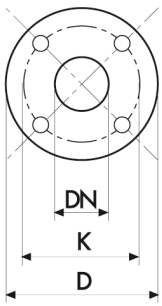
Pump body	Cast iron GJL-250
Motor bracket	Cast iron GJL-250
Impeller	Cast iron GJL-250 On request bronze or stainless steel AISI 316
Mechanical seal	Ceramic-Graphite
Motor shaft	Stainless steel AISI 304 EN X5CrNi18-10
Liquid temperature	-10°C +90°C
Operating pressure	Max 10 bar

Monobloc horizontal centrifugal pumps, constructed to EN 733 standards; widely used in water supplies, pressurisation and fire-fighting systems, cooling, heating, irrigation, industrial and agricultural applications.The pumps are equipped with cast iron impeller in standard configuration; on request, they are available with bronze or AISI 316 stainless steel impeller. Pumps are supplied with counter-flange.

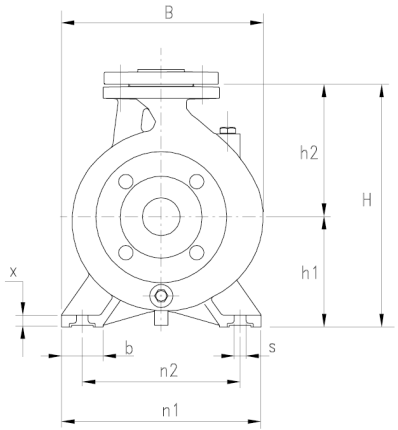
P2		P1 (kW)		A		Q (m3/h - l/min)													
(HP)	(kW)	1~	3~	1x230V	3x400V	0	9	12	15	18	21	24	27	30	33	36	39	42	45
						0	150	200	250	300	350	400	450	500	550	600	650	700	750
						H (m)													
20	15	---	17,5	---	29,1	82.6	84.6	84.8	84.7	84.3	83.4	82.4	81.3	80	78.5	76.9	75.4	72.8	69

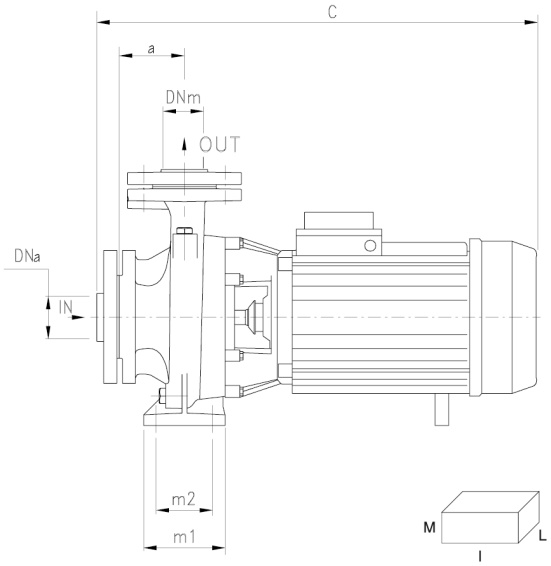
Technical Sheet

flanges



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





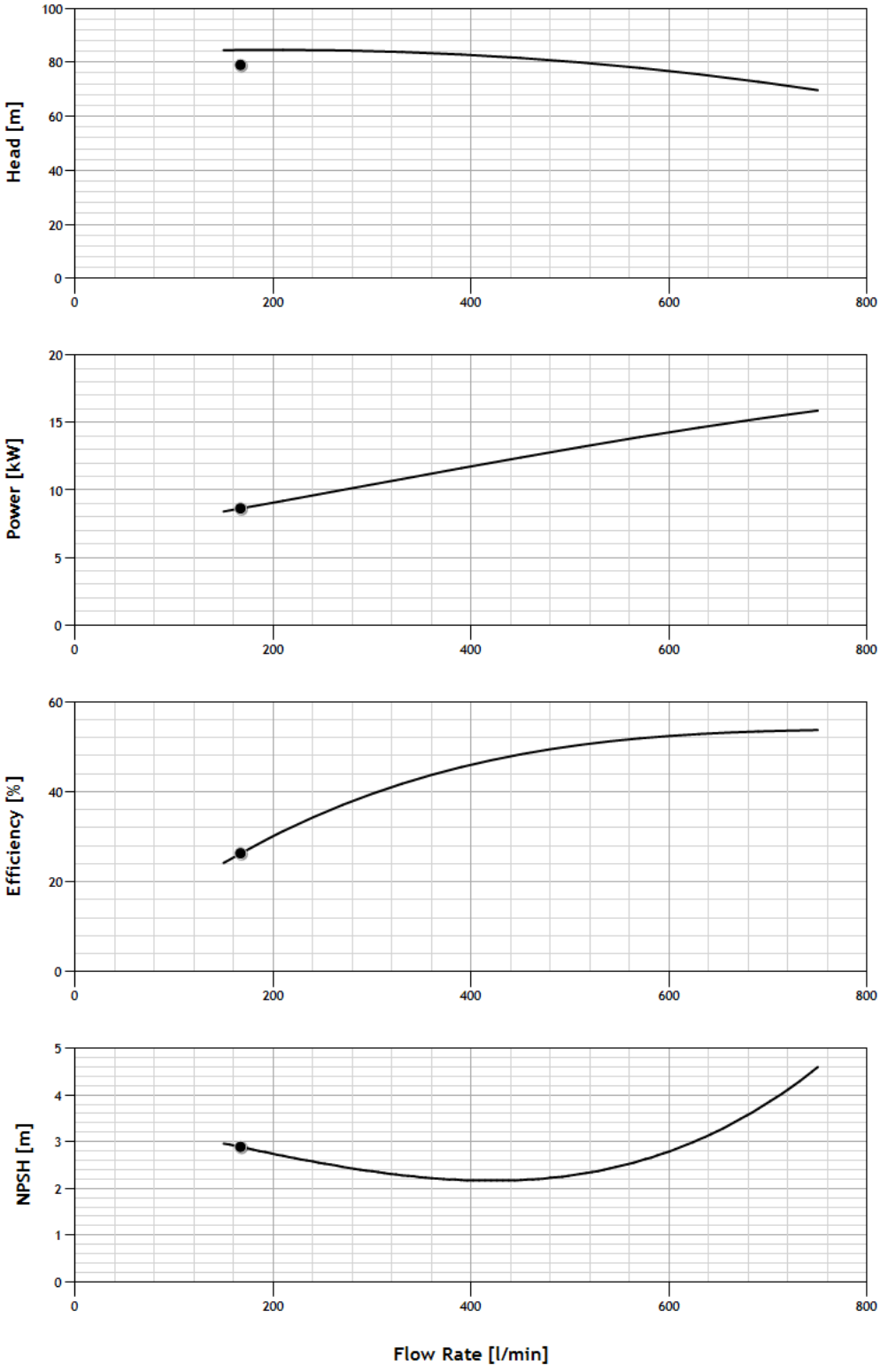
DNA	DNM	DIMENSIONS (mm)																Kg
		a	h1	h2	m1	m2	n1	n2	b	x	s	C	B	H	I	L	M	
65	40	100	180	225	125	95	320	250	65	15	14	670	322	405	810	354	480	128,5

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.

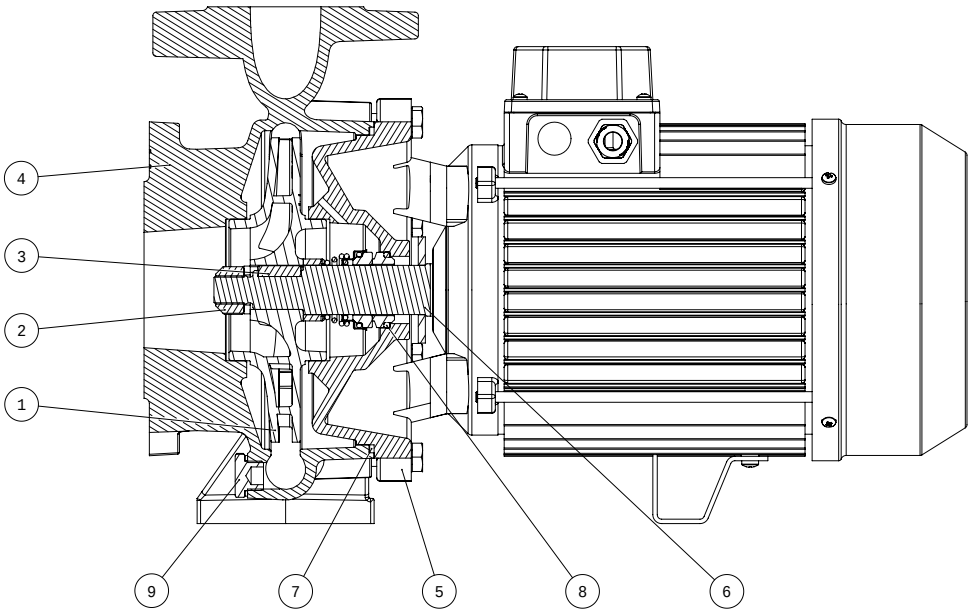
FORAS water pumps	**Working Curves**	Curv n°:	MN40-250A
		Date:	9/23/2025
	Pump type: MN40-250A		

Q (l/min) 167 | H (m) 79 | Power [kW] 8.64 | Efficiency % 26.32 | NPSH (m) 2.89



MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

MN Series
Models list and materials



POS: N.	DENOMINATION	VERSION	MATERIAL	REFERENCE STANDARDS	
				EUROPE	USA
1	**Impeller**	Standard	Cast iron G20	GJL-200 (JL1030)	ASTM Class 30
		B	Bronze	CuSn10-C (CC480K)	UNS C90700
		X	Stainless steel	X5CrNiMo17-12-2/ 1.4401	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	Cast iron G20	GJL-200 (JL1030)	ASTM Class 30
		Standard from model 80-250	Cast iron G25	GJL-250 (JL1040)	ASTM Class 35
5	**Motor bracket**		Cast iron G20	GJL-200 (JL1030)	ASTM Class 30
6	**Shaft extension**		Stainless tsteel	X5CrNi18-10/ 1.4301	AISI 304
7	**O-ring**	Standard	NBR		
		E	EPDM		
		V	FKM		
8	**Mechanical seal**		(Search for the material in the mechanical seal table)		
9	**Fill and drain plugs**		Brass	CU ZN 40 PB2 UNI 5705/65	C37700

MN Serie-Mechanical seal and bearings

MECHANICAL SEAL	PUMP MODEL	SHAFT Ø		STANDARD MATERIAL	OPTIONAL			
					E	V	2E	2V
	MN32-160C, MN32-160B, MN32-160A, MN40-125C, MN40-125B, MN40-125A	20mm	***Rotating face***	Ceramic	Ceramic	-	SiC	SiC
			Stationary face	Graphite	Graphite	-	SiC	SiC
			Elastomer	NBR	EPDM	-	EPDM	FKM
	MN40-250BM, MN40-250AM	28mm	***Rotating face***	Ceramic	-	-	SiC	SiC
			Stationary face	Graphite	-	-	SiC	SiC
			Elastomer	EPDM	-	-	EPDM	FKM
	MN32-200C, MN32-200B1, MN32-200B, MN32-200A1, MN32-200A, MN32-250C, MN32-250B, MN32-250A1, MN32-250A, MN40-160B, MN40-160A, MN40-160AP, MN40-200B1, MN40-200B, MN40-200A1, MN40-200A, MN40-200AP, MN40-250C, MN40-250B, MN40-250A1, MN40-250A, MN50-125B, MN50-125A, MN50-160B1, MN50-160B, MN50-160A1, MN50-160A, MN50-200C, MN50-200B, MN50-200A1, MN50-200A, MN50-250C1 , MN50-250C, MN50-250B, MN50-250A, MN65-125B1, MN65-125B, MN65-125A1, MN65-125A, MN65-160C, MN65-160B, MN65-160A1, MN65-160A, MN65-200C1, MN65-200C, MN65-200B, MN65-200A, MN80-160E, MN80-160D, MN80-160C, MN80-160B, MN80-160A1, MN80-160A	28mm	***Rotating face***	Ceramic	Ceramic	Ceramic	SiC	SiC
			Stationary face	Graphite	Graphite	Graphite	SiC	SiC
			Elastomer	NBR	EPDM	FKM	EPDM	FKM
	MN65-250B, MN65-250A, MN80-200B, MN80-200A, MN100-160B, MN100-160A	40mm	***Rotating face***	CrNi-steel	CrNi-steel	CrNi-steel	SiC	SiC
			Stationary face	Graphite	Graphite	Graphite	SiC	SiC
			Elastomer	NBR	EPDM	FKM	EPDM	FKM

BEARINGS	PUMP MODEL	TYPE	
	3~MN32-200C, MN40-160B, 3~MN40-160A, MN50-125B, 3~MN50-125A	6204-ZZ	6206-ZZ C3
	MN32-160C, MN32-160B, MN32-160A, MN40-125C, MN40-125B, MN40-125A	6205-ZZ C3	6203-ZZ
	1~MN32-200C, MN32-200B1, MN32-200B, MN32-200A1, MN32-200A, MN32-250C, MN32-250B, 1~MN40-160A, MN40-160AP, MN40-200B1, MN40-200B, MN40-200A1, MN40-200A, MN40-200AP, MN40-250C, MN40-250B, 1~MN50-125A, MN50-160B1, MN50-160B, MN50-160A1, MN50-160A, MN50-200C, MN50-200B, MN65-125B1, MN65-125B, MN65-125A1, MN65-125A, MN65-160C, MN65-160B, MN80-160E, MN80-160D	6206-ZZ C3	6306-ZZ C3
	MN32-250A1, MN40-250A1, NM50-200A1, NM50-250C1, MN65-160A1, MN65-200C1, MN80-160C1	6308-ZZ C3	6306-ZZ C3
	MN32-250A, MN40-250A, MN40-250BM, MN40-250AM, MN50-200A, MN50-250C, MN50-250B, MN50-250A, MN65-160A, MN65-200C, MN65-200B, MN65-200A, MN80-160C, MN80-160B, MN80-160A	6308-ZZ C3	6309-ZZ C3
	MN65-250B, MN65-250A, MN80-200B, MN80-200A, MN100-160B, MN100-160A	6309-ZZ C3	6310-ZZ C3