



Technical data

Date	9/21/2025
Offer N.	---
Pump Type	MN50-160A1

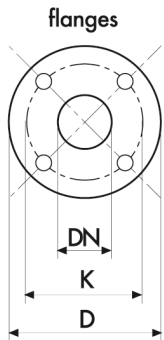
Client	EES GmbH	Reference	---
--------	----------	-----------	-----

Pump data

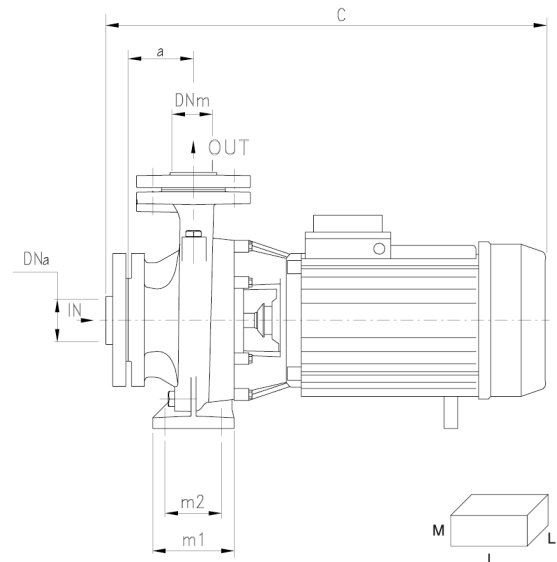
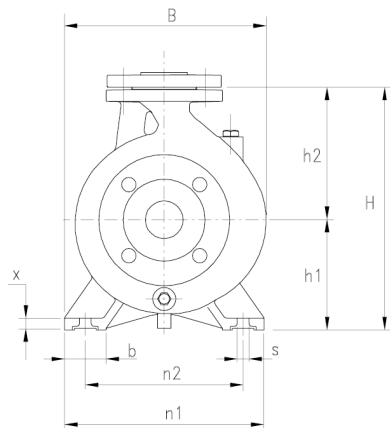
Pump body	Cast iron GJL-250	Monobloc horizontal centrifugal pumps, constructed to EN 733 standards; widely used in water supplies, pressurisation and fire-fighting systems, cooling, heating, irrigation, industrial and agricultural applications. The pumps are equipped with cast iron impeller in standard configuration; on request, they are available with bronze or AISI 316 stainless steel impeller. Pumps are supplied with counter-flange.
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	

P2		P1 (kW)		A		Q (m3/h - l/min)														
(HP)	(kW)	1~	3~	1x230V	3x400V	0	21	24	27	30	33	36	39	42	45	48	54	60	66	72
						0	350	400	450	500	550	600	650	700	750	800	900	1000	1100	1200
						H (m)														
10	7,5	---	8,6	---	15,1	38.1	39.8	39.8	39.7	39.5	39.2	38.8	38.3	37.7	36.7	36	34.2	32.2	29.7	27.4

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	h1	h2	m1	m2	n1	n2	b	x	s	C	B	H	I	L	M	
65	50	100	160	180	100	70	265	212	50	12	14	564	270	340	627	287	408	67

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: MN50-160A1

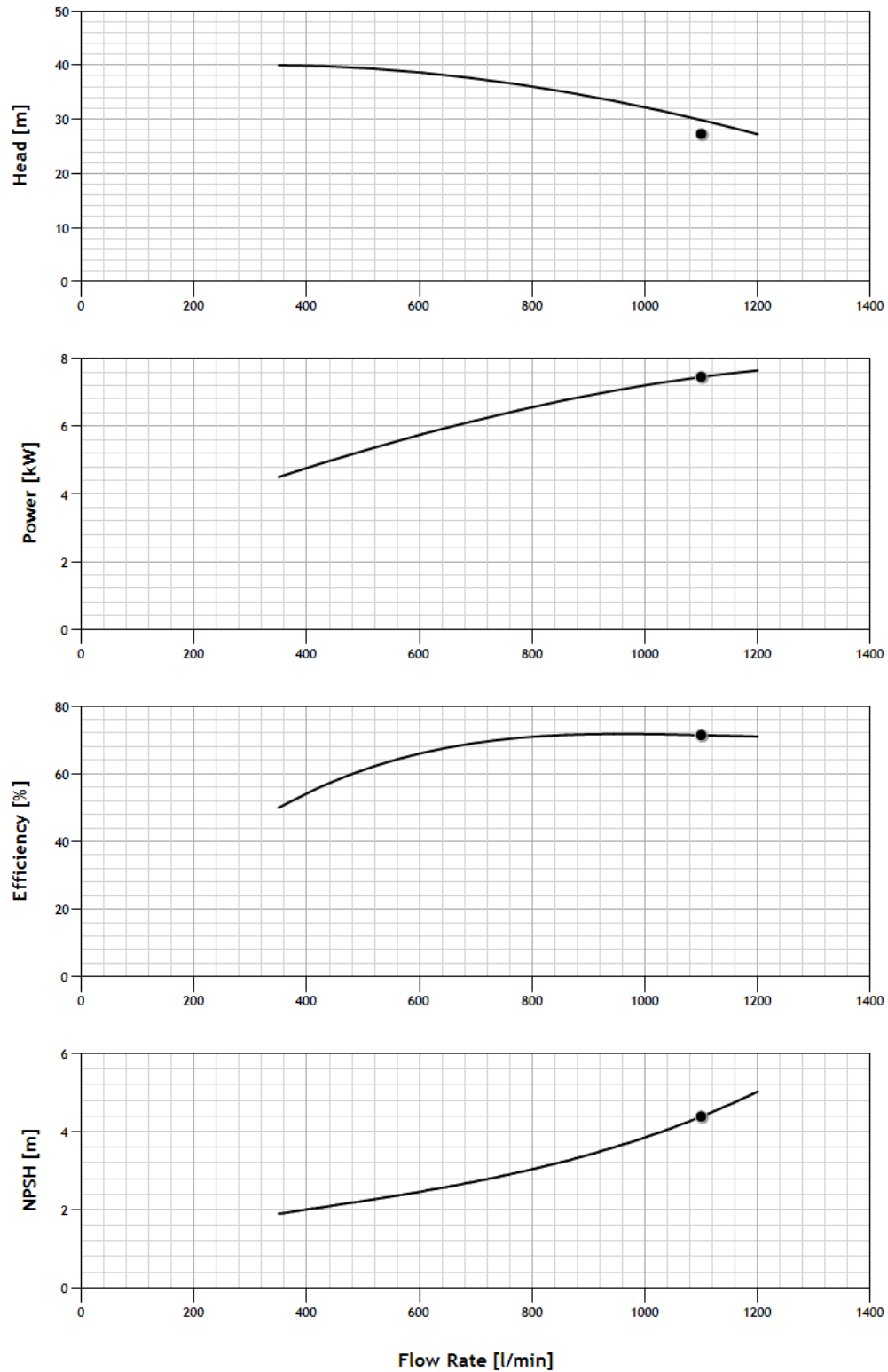
Curv n°:

MN50-160A1

Date:

9/21/2025

Q (l/min) 1100 | H (m) 27.3 | Power [kW] 7.46 | Efficiency % 71.42 | NPSH (m) 4.39



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 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	Cast iron G20 Cast iron G25	GJL-200 (JL1030) GJL-250 (JL1040)	ASTM Class 30 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 E V	NBR EPDM 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 Stationary face Elastomer	Ceramic Graphite NBR	Ceramic Graphite EPDM	- - -	SiC SiC EPDM	SiC SiC FKM
	MN40-250BM, MN40-250AM	28mm	Rotating face Stationary face Elastomer	Ceramic Graphite EPDM	- - -	- - -	SiC SiC EPDM	SiC SiC 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 Stationary face Elastomer	Ceramic Graphite NBR	Ceramic Graphite EPDM	Ceramic Graphite FKM	SiC SiC EPDM	SiC SiC FKM
	MN65-250B, MN65-250A, MN80-200B, MN80-200A, MN100-160B, MN100-160A	40mm	Rotating face Stationary face Elastomer	CrNi-steel Graphite NBR	CrNi-steel Graphite EPDM	CrNi-steel Graphite FKM	SiC SiC EPDM	SiC SiC 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