



MK - MKM - MULTISTAGE VERTICAL PUMPS

50-60 Hz



IE3 · PREMIUM EFFICIENCY

IE4 · SUPER PREMIUM EFFICIENCY



CAST IRON



AISI 316

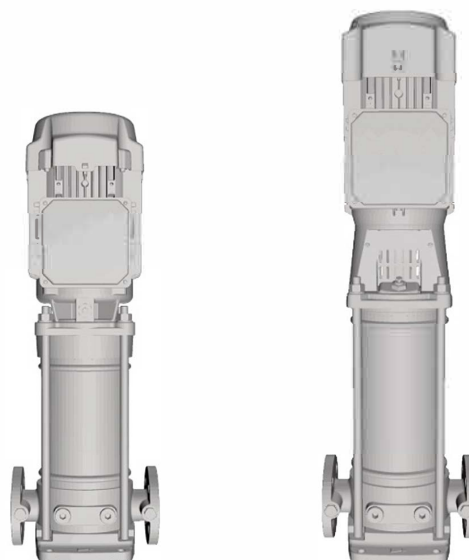
AVAILABLE VERSIONS

MKM

Close-coupled multistage electric pumps
with extended motor shaft

MK

Multistage electric pumps
with B14 or B5 standard IEC motors
coupled to the pump



MKM

MK

PERFORMANCE RANGES • GAMME DI PRESTAZIONI

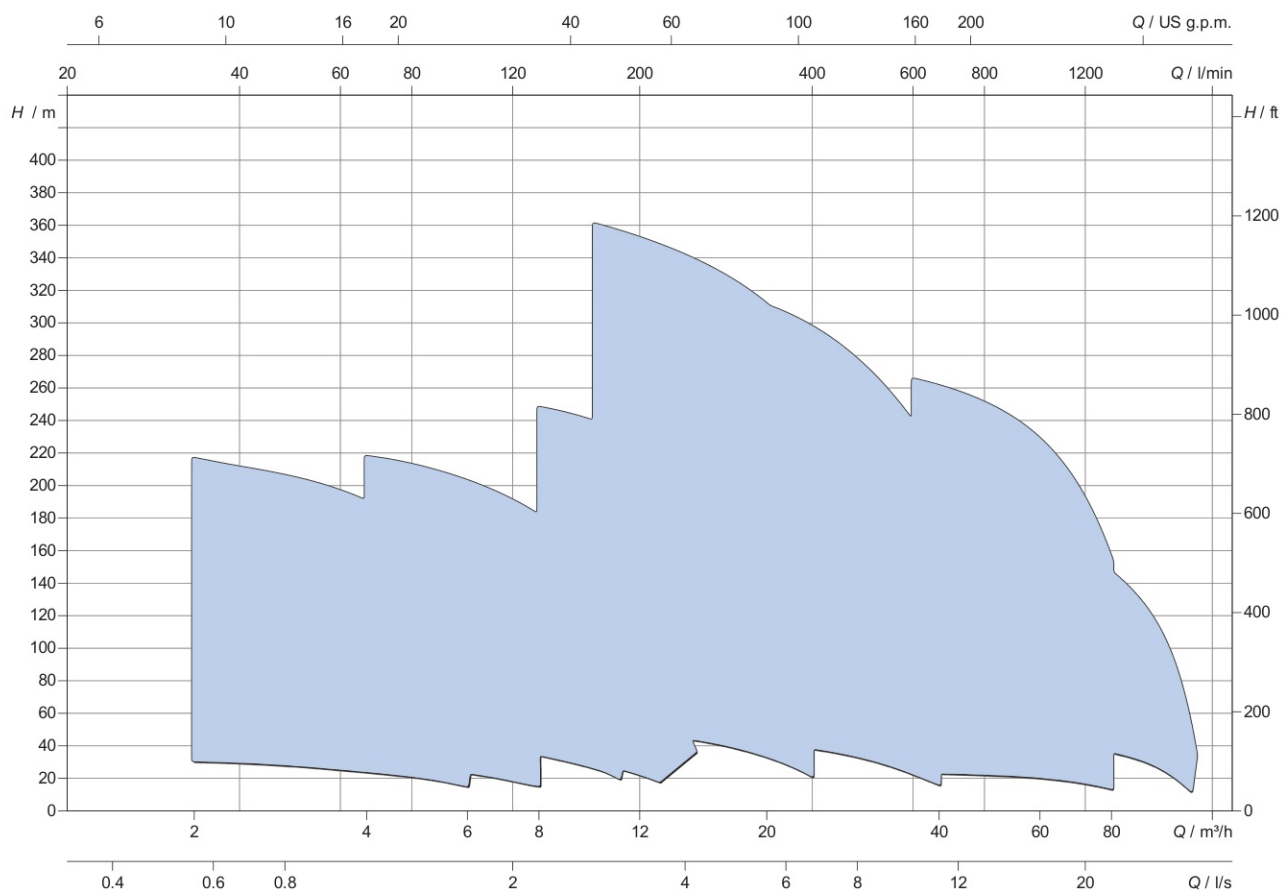
			50 Hz						
			MKM32	MKM40	MK32	MK40	MK50	MK65	MK100
FLOW	m³/h	Min	1	4	1	4	6	10	12
		Max	8	15	8	15	24	40	110
HEAD	m	Min	15.5	14.5	15.5	15.9	22	17	12
		Max	118	136	235	235	263	394	331
POWER	kW	Min	0.75	1.5	0.75	1.5	3	5.5	5.5
		Max	2.2	4	5.5	9.2	15	30	55
PN	bar		16	16	25	25	25	40	40

			60 Hz						
			6MKM32	6MKM40	6MK32	6MK40	6MK50	6MK65	6MK100
FLOW	U.S.g.p.m	Min	9	22	9	22	35	44	66
		Max	44	75	44	75	119	198	484
HEAD	ft	Min	56	30	54	30	89	62	52
		Max	354	344	755	748	797	1299	1230
POWER	HP	Min	1,2	2	1,5	2	5,5	10	7,5
		Max	4	5,5	7,5	12,5	20	50	75
PN	bar		16	16	25	25	25	40	40

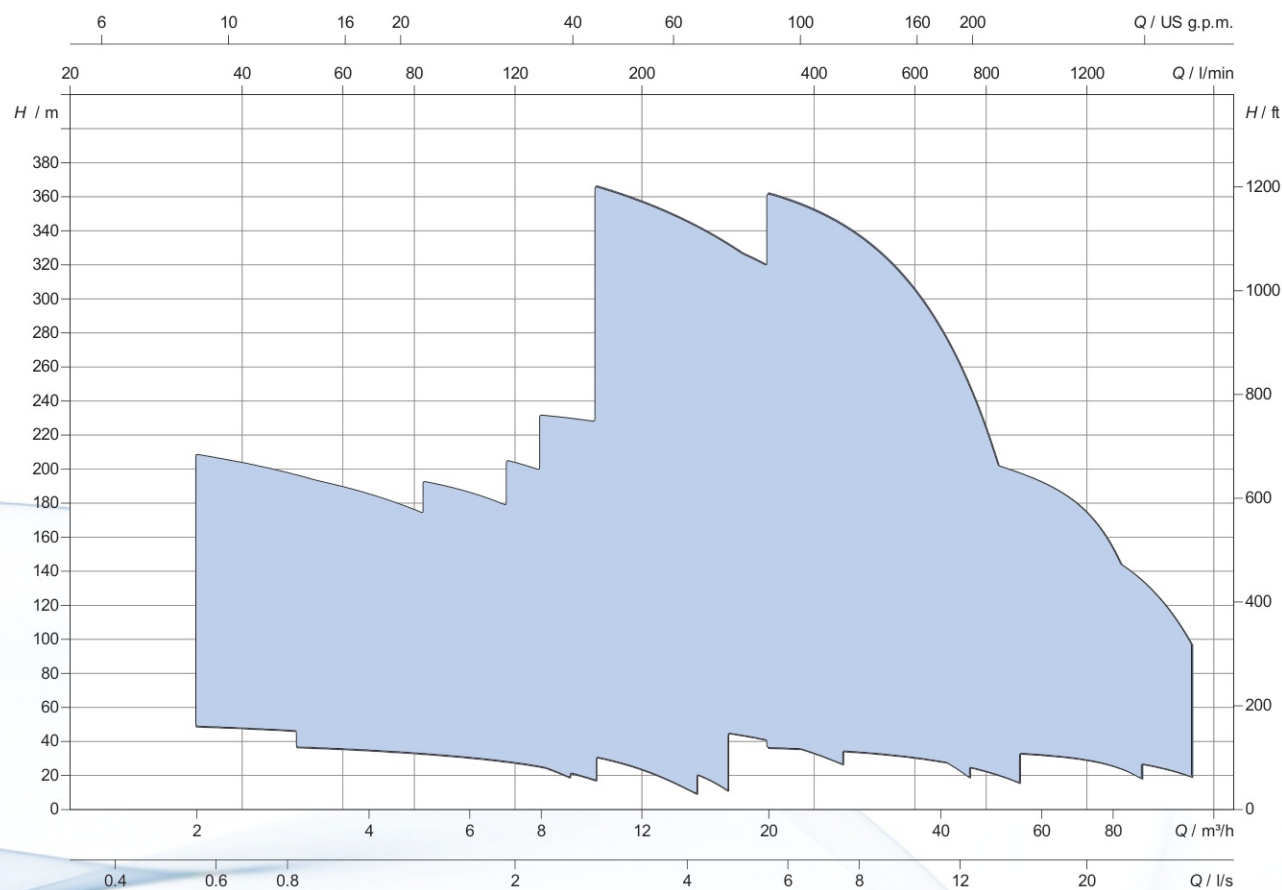
OPERATION LIMITS

LIQUID TEMPERATURE	-15 °C / +90 °C (+120 °C on request)	-5 °F / +194 °F (+248 °F on request)
AMBIENT TEMPERATURE	-5 °C / +40 °C	+23 °F / +104 °F

PERFORMANCE CHART 50 Hz



PERFORMANCE CHART 60 Hz



FLANGES AND CONNECTIONS

VERSIONS

FL.C

CIRCULAR FLANGES ACCORDING TO EN 1092-1/2

Availability

MKM32, MK32 – DN32 PN25
MKM40, MK40 – DN40 PN25
MK50 – DN50 PN25
MK65 – DN65 PN40
MK100 – DN100 PN40



FL.C ANSI

CIRCULAR FLANGES DRILLED ACCORDING TO ANSI/ASME

Availability

MKM32, MK32 – 1" ¼ ANSI 150
MKM40, MK40 – 1" ½ ANSI 300 / 2" ANSI 150
MK50 – 2" ANSI 150
MK65 – 2" ½ ANSI 300
MK100 – 4" ANSI 300 / 4" ANSI 150

FL.O

OVAL FLANGES

Availability

MKM32, MK32 – 1" ¼ G – 1" G PN16
MKM40, MK40 – 1" ½ G PN16



FL. ..."G

THREADED CONNECTION

Availability

MKM32, MK32 – 1" G PN25
MKM40, MK40 – 1" ½ G PN25



VICT

VICTAULIC® CONNECTION

Availability

MKM32, MK32 – DN32 1" ¼ PN25
MKM40, MK40 – DN40 1" ½ PN25



MAIN MATERIALS

BASE WITH INLET AND OUTLET

	STANDARD – MKM/MK	ON REQUEST – MKMX/MKX
FL.C	Cast iron EN GJL - 250	Casted stainless steel AISI 316 (1.4408-CF8M)
FL.C ANSI	Cast iron EN GJL - 250	Casted stainless steel AISI 316 (1.4408-CF8M)
FL.O	Cast iron EN GJL - 250	Casted stainless steel AISI 316 (1.4408-CF8M)
FL. ..."G	Casted stainless steel AISI 316 (1.4408-CF8M)	
VICT	Casted stainless steel AISI 316 (1.4408-CF8M)	

UPPER COVER

STANDARD – MKM/MK	ON REQUEST – MKMX/MKX
Cast iron EN GJL - 250	Casted stainless steel AISI 316 (1.4408-CF8M)

TUBE

STANDARD – MKM/MK	ON REQUEST – MKMX/MKX
Stainless steel AISI 304 (1.4301)	Stainless steel AISI 316 (1.4401)

IMPELLER AND DIFFUSER

	STANDARD – MKM/MK		ON REQUEST – MKMX/MKX
MKM32 MK32	Stainless steel AISI 304 (1.4301)		Stainless steel AISI 316 (1.4408-CF8M)
MKM40 MK40	Stainless steel AISI 304 (1.4301)		Stainless steel AISI 316 (1.4408-CF8M)
MK50	Cast iron EN GJL - 250		Casted stainless steel AISI 316 (1.4408-CF8M)
MK65	Cast iron EN GJL - 250		Casted stainless steel AISI 316 (1.4408-CF8M)
MK100	Impeller	Diffuser	Casted stainless steel AISI 316 (1.4408-CF8M)
	Brass CuZn40	Cast iron EN GJL - 250	

SHAFT

STANDARD – MKM/MK/MKMX	ON REQUEST – MKX
Stainless steel AISI 431 (1.4057)	Stainless steel Duplex (1.4362)

MECHANICAL SEAL *

	STANDARD – MKM/MK	ON REQUEST – MKMX/MKX
MKM	BVEGG	BWGG
MK	BQ1EGG	BQ1VGG

Other configurations available upon request

SPECIAL VERSIONS



ACS CERTIFIED VERSION FOR PUMPING DRINKING WATER

FULL AISI 316 STAINLESS STEEL VERSION

VERSION FOR HORIZONTAL INSTALLATION

VERSION WITH EXTERNAL COATING ACCORDING TO CYCLE C5 MEDIUM ISO 12944



VERSION WITH INTEGRATED VFD UP TO 18,5kW

IE4
SUPER PREMIUM EFFICIENCY

IE5
SUPER PREMIUM EFFICIENCY

VERSION WITH IE4 OR IE5 SUPER PREMIUM EFFICIENCY MOTOR

VERSION WITH UL/CSA CERTIFIED MOTOR FULFILLING IHP (INTEGRAL HORSEPOWER MOTOR RULE)

VERSION WITH FLANGES DRILLED ACCORDING TO ASME/ANSI

PAT (PUMP AS TURBINE) VERSION

VERSIONS FOR SPECIAL APPLICATIONS

MOTORS



MOTORS MADE IN ITALY FOR THE WHOLE SERIES

Motors with IE3 and IE4 efficiency classes, ErP Directive compliant, oversized and suitable for use with frequency converter as standard up to 55kW included.

SOME PROJECTS

COOLING SYSTEM



BOOSTER SYSTEM



FIRE-FIGHTING SYSTEM



PUMP STATION

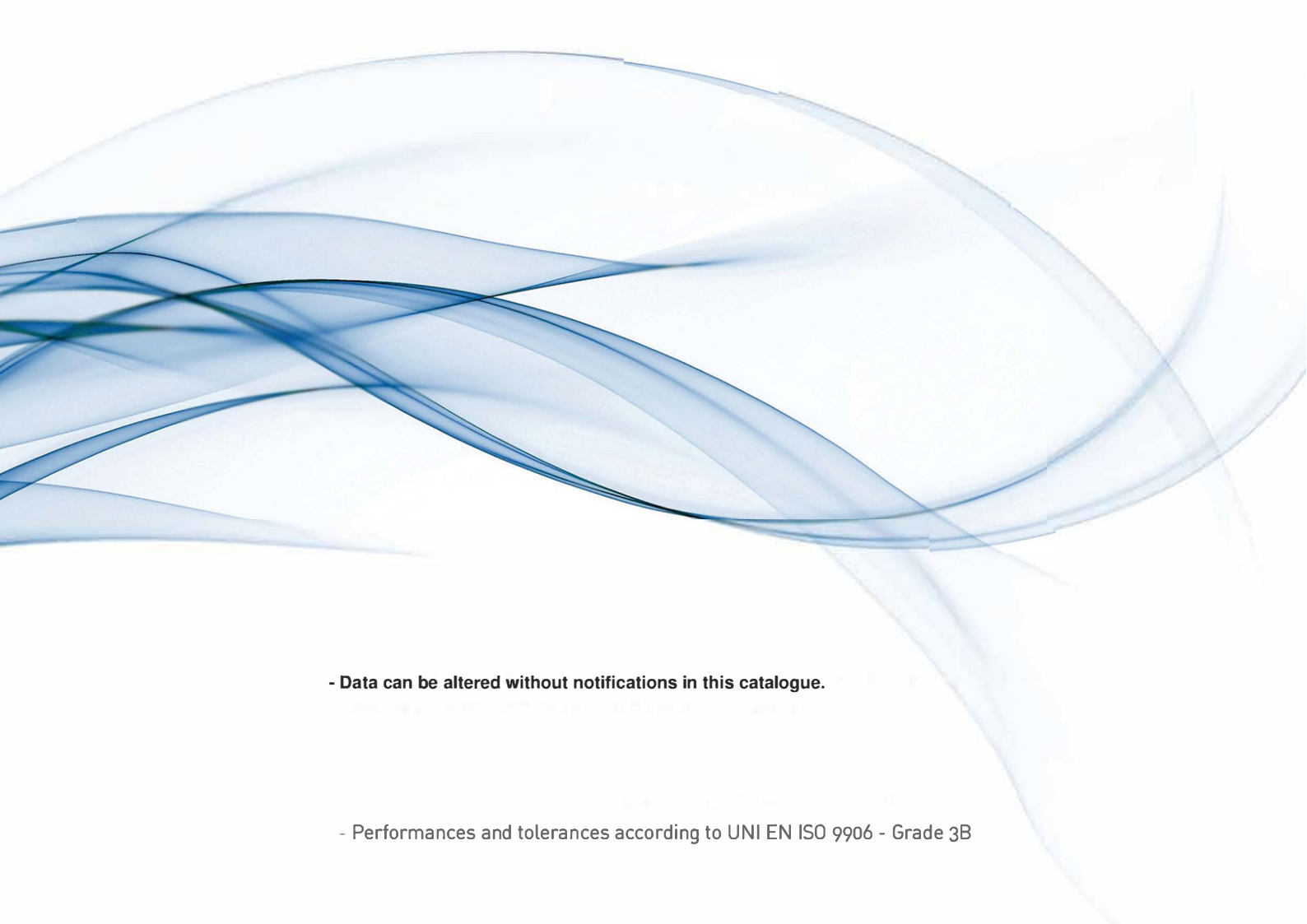


IRRIGATION



WATER SUPPLY





- Data can be altered without notifications in this catalogue.

- Performances and tolerances according to UNI EN ISO 9906 - Grade 3B



FUGLESANGS