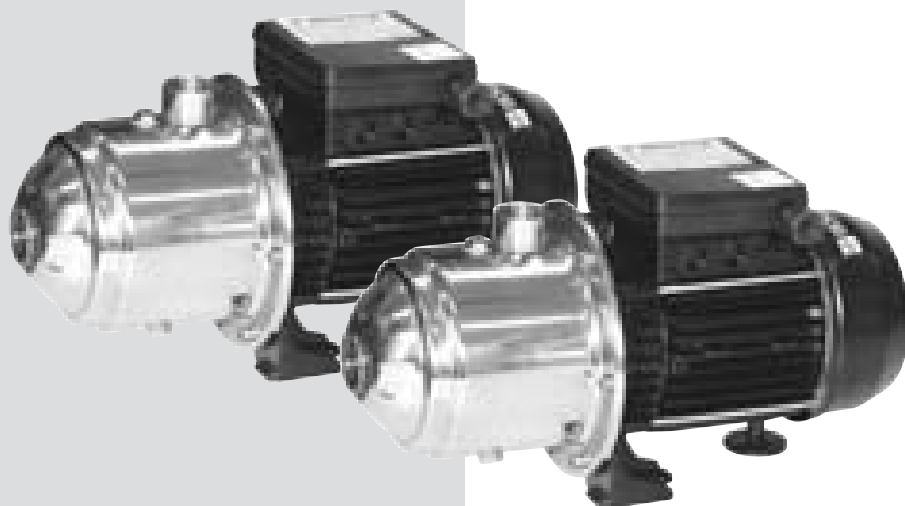


The MCX series horizontal multistage centrifugal pumps offer the following benefits:

- High hydraulic pressure and flow rate performance
- Minimum electrical energy consumption
- Extremely silent operation



Applications

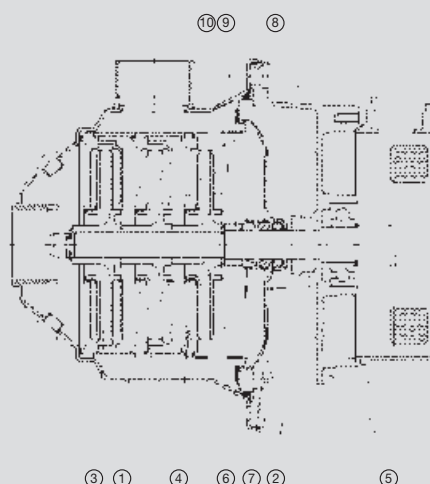
- Pumping and distribution of water in domestic systems
- Booster systems
- Firefighting systems
- Washing systems, irrigation

Usage limitations

- Type of liquid: clean water with no suspended solids or abrasive material
- Maximum liquid temperature 50°C
- Maximum recommended suction height 6 m with foot valve
- Maximum operating pressure 7 bar

Motor

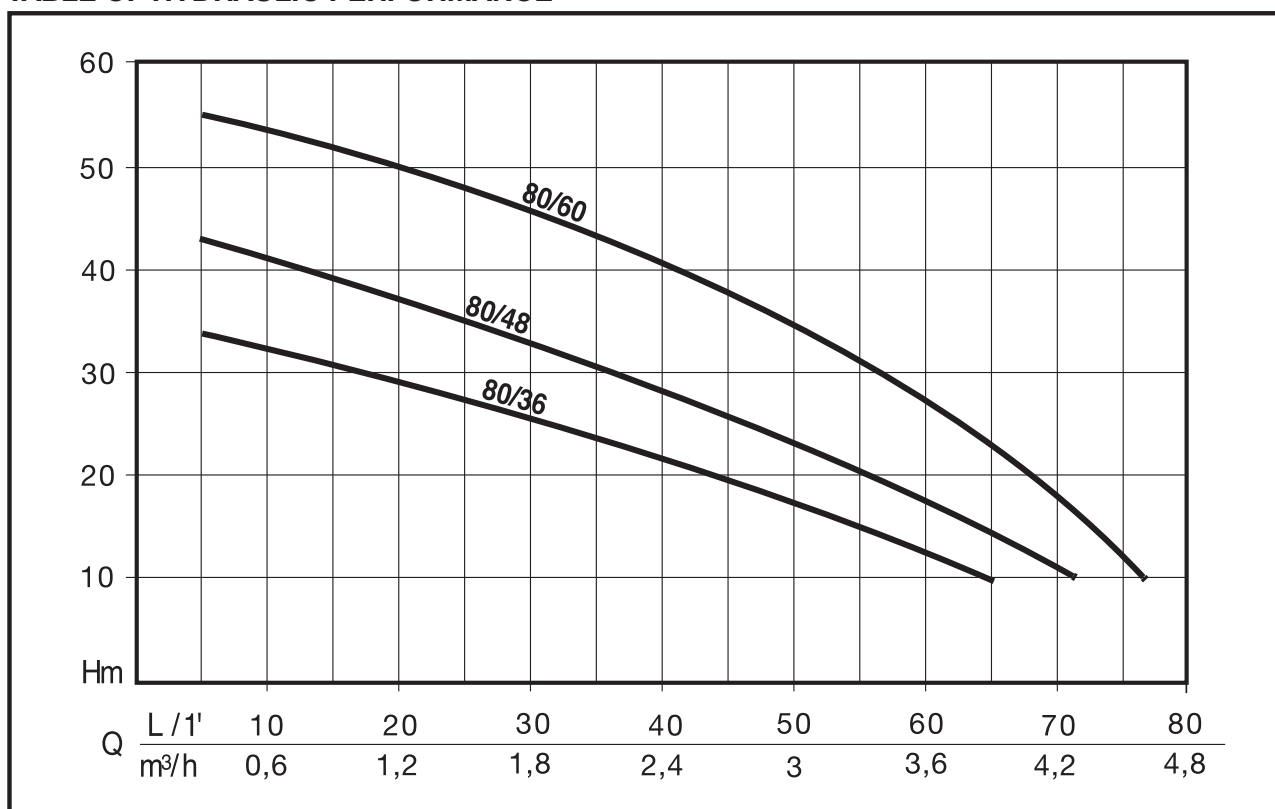
- Enclosed, externally ventilated
- Level of protection IP 44
- Class F insulation
- Single phase power supply with capacitor permanently activated and thermal protection built into the motor winding
- Three phase power supply with external protection provided by the user
- Speed of rotation 2850 rpm
- Suitable for continuous use



DESIGN FEATURES

Component	Material
1 Pump casing	X5 CrNi 1810 (AISI 304) Stainless steel
2 Motor bracket	Die-cast aluminium
3 Impeller	Technopolymer with X5 CrNi 1810 (AISI 304) stainless steel shim ring
4 Diffusors	Technopolymer
5 Shaft (hydraulic end)	X5 CrNi 1810 (AISI 304) Stainless steel
6 Mechanical seal	Graphite
7 Counterface	Ceramic
8 O'ring	NBR 70 shore
9 Seal holder plate	GNF 2V Noryl (stainless steel on 200 Lt version)
10 Spacer (on 200 Lt)	X10 CrNiS 1809 (AISI 303) Stainless steel

TABLE OF HYDRAULIC PERFORMANCE



PUMP PERFORMANCE

CODE	MODEL	Nominal Power		Absorbed Power		VOLTAGE (V)	Amp.	μF.	L/1' Q m ³ /h	0	20	40	60	80
		HP	kW	HP	kW					0	1,2	2,4	3,6	4,8
N4201180-B	MCX 80/36 M	0,6	0,45	0,8	0,6	1 ~ 230 V	2,9	12,5	Discharge head in meters	35	28	21	13	0,5
N4201240-B	MCX 80/36 T					3 ~ 230 ÷ 400 V	2-1,2							
N4201190-B	MCX 80/48 M	0,75	0,55	1,1	0,8	1 ~ 230 V	4	12,5		45	36	28	17	1
N4201250-B	MCX 80/48 T					3 ~ 230 ÷ 400 V	2,6-1,5							
N4201200-B	MCX 80/60 M	1	0,75	1,3	1	1 ~ 230 V	4,8	16		57	50	40	27	3
N4201260-B	MCX 80/60 T					3 ~ 230 ÷ 400 V	2,9-1,7							

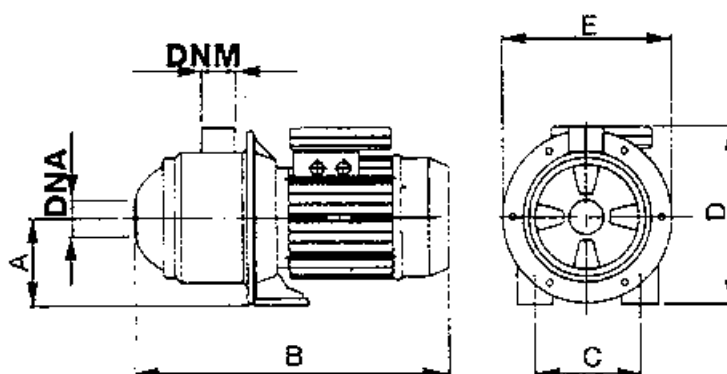
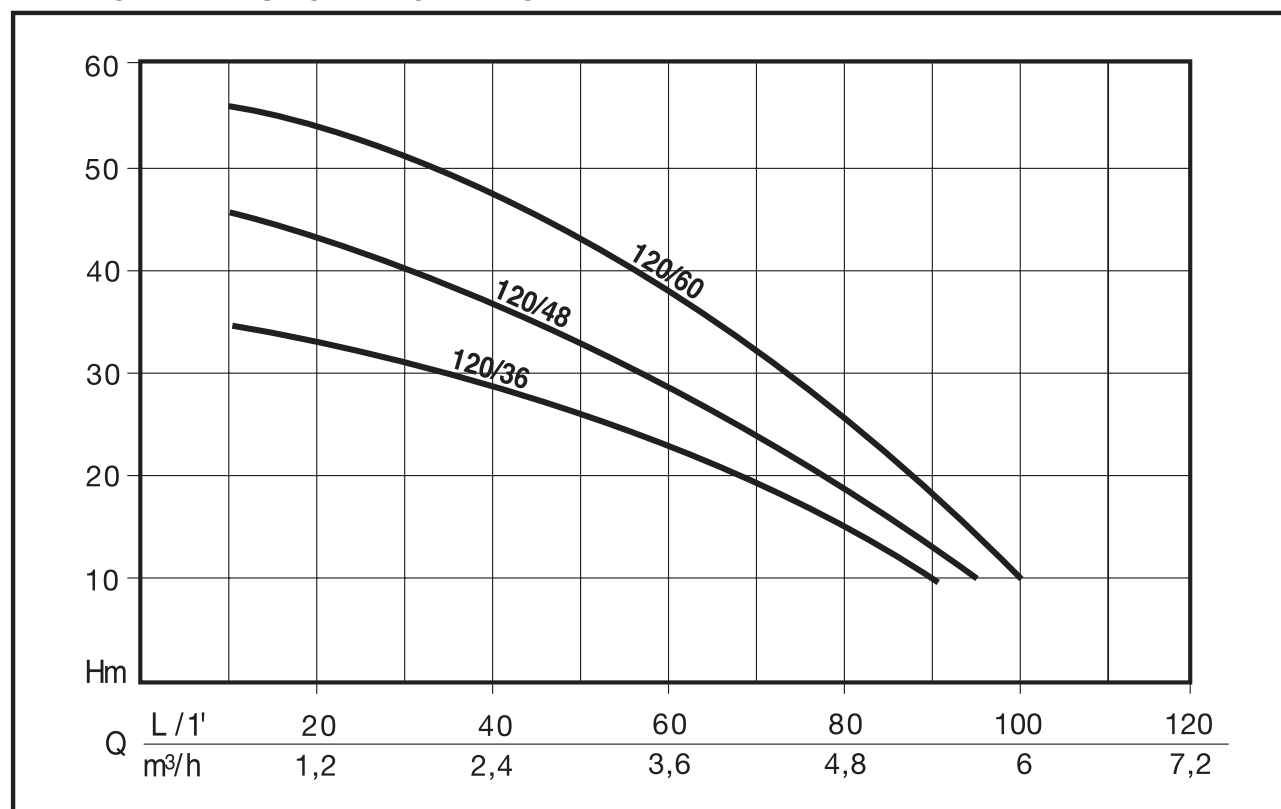


TABLE OF SIZES AND WEIGHTS

Model	Dimensions mm.							Weight
	A	B	C	D	E	DNA	DNM	kg
MCX 80/36	90	296	99	190	174	1"	1"	6
MCX 80/48	90	318	99	190	174	1"	1"	7
MCX 80/60	90	360	99	195	174	1"	1"	8

TABLE OF HYDRAULIC PERFORMANCE



PUMP PERFORMANCE

CODICE	MODELLO	Nominal Power		Absorbed Power		VOLTAGE (V)	Amp.	μF.	Q L/1' m ³ /h	0	20	40	60	80	100
		HP	kW	HP	kW					0	1,2	2,4	3,6	4,8	6
N4201210-B	MCX 120/36 M	0,75	0,55	1,1	0,8	1 ~ 230 V	3,5	12,5	Discharge head in meters	36	33	28	22	14	4
N4201270-B	MCX 120/36 T					3 ~ 230 ÷ 400 V	2,9-1,7								
N4201220-B	MCX 120/48 M	1	0,75	1,5	1,1	1 ~ 230 V	4,6	16		48	42	37	27	18	5
N4201280-B	MCX 120/48 T					3 ~ 230 ÷ 400 V	3,6-2,1								
N4201230-B	MCX 120/60 M	1,2	0,9	1,7	1,25	1 ~ 230 V	5,8	20		60	55	48	36	26	10
N4201290-B	MCX 120/60 T					3 ~ 230 ÷ 400 V	3,5-2								

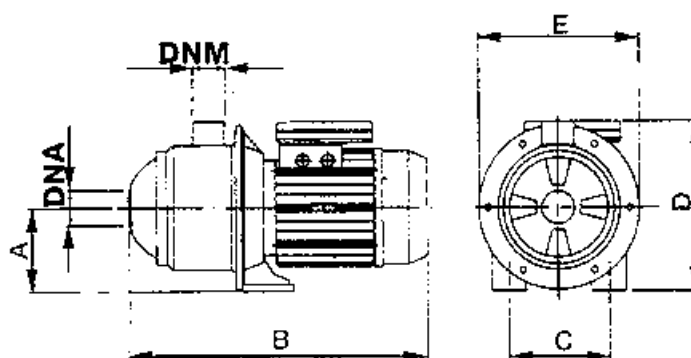
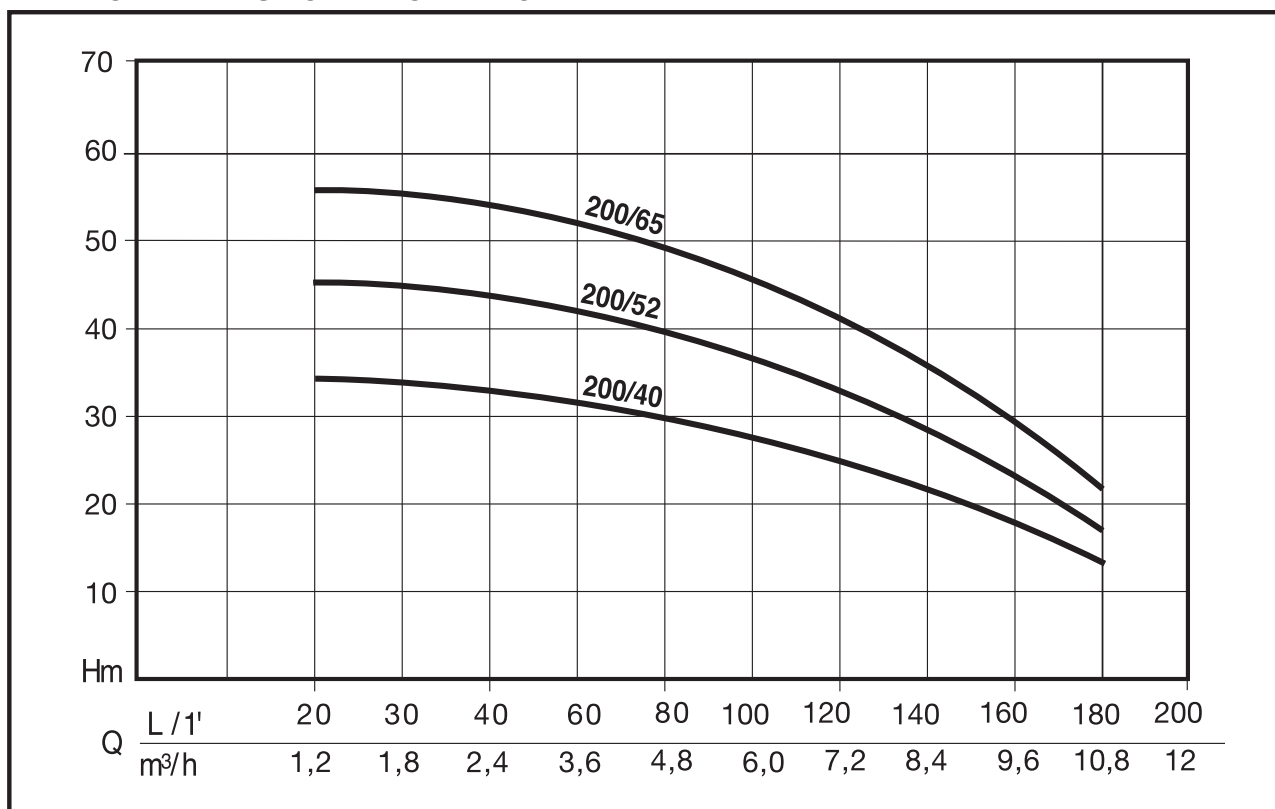


TABLE OF SIZES AND WEIGHTS

Model	Dimensions mm.							Weight
	A	B	C	D	E	DNA	DNM	
MCX 120/36	90	316	99	195	174	1"	1"	8
MCX 120/48	90	338	99	195	174	1"	1"	9
MCX 120/60	90	360	99	195	174	1"	1"	10

TABLE OF HYDRAULIC PERFORMANCE



PUMP PERFORMANCE

CODE	MODEL	Nominal Power		Absorbed Power		VOLTAGE (V)	Amp.	μF.	Q L/1' m³/h	20	60	100	140	180
		HP	kW	HP	kW					1,2	3,6	6	8,4	10,8
N4201360-B	MCX 200/40 M	1,35	1,0	1,9	1,4	1 ~ 230 V	6,3	20	Discharge head in meters	33,7	32,1	27,6	21,5	13,1
N4201370-B	MCX 200/40 T			1,7	1,3	3 ~ 230 ÷ 400 V	4-2,3							
N4201380-B	MCX 200/52 M	1,6	1,2	2,4	1,8	1 ~ 230 V	8,5	25		44,9	42,8	36,8	28,6	17,5
N4201390-B	MCX 200/52 T			2,3	1,7	3 ~ 230 ÷ 400 V	5,7-3,3							
N4201410-B	MCX 200/65 M	2,0	1,5	3,0	2,2	1 ~ 230 V	9,5	35		56,1	53,4	46	35,8	21,8
N4201400-B	MCX 200/65 T			2,8	2,1	3 ~ 230 ÷ 400 V	7.3-4.2							

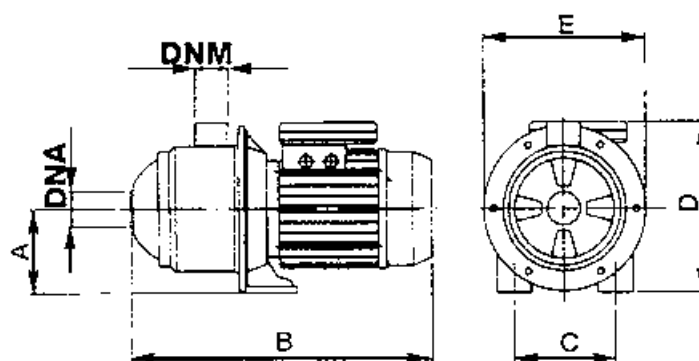


TABLE OF SIZES AND WEIGHTS

Model	Dimensions mm.							Weight
	A	B	C	D	E	DNA	DNM	kg
MCX 200/40	105	400	141	235	205	1" 1/4	1" 1/4	14
MCX 200/52	105	430	141	235	205	1" 1/4	1" 1/4	16
MCX 200/65	105	460	141	235	205	1" 1/4	1" 1/4	18