

# MCM 30/50 kanalhjulspump GEN1

Artikelnr	Beteckning	Beskrivning
104173	MCM 30/50:2,2/1x230/G65	MCM 30/50 kanalhjulspump GEN1

Installation		Övrigt	
Styrning	Nivåvipa	Max Tryck	24 mVp
Anslutning	G65 inv	Max Flöde	1100 l/min

Elektrisk Data	
Effekt	2,20 kW
Märkström	15,2 A
Spänning	1x230



Pedrollo MC Kanalhjul Avloppspump

PEDROLLO MC är en serie högeffektiva, dränkbara avloppspumpar med konstruktion i gjutjärn. Pumpen har inbyggd vipa för automatisk start och stopp.

Kanalhjul säkerställer problemfri hantering av svart-, BDT-, grå- och dränvatten med fritt genomlopp på upp till 50 mm som tillåter passage av stora partiklar, samtidigt som man bibehåller hög effektivitet.

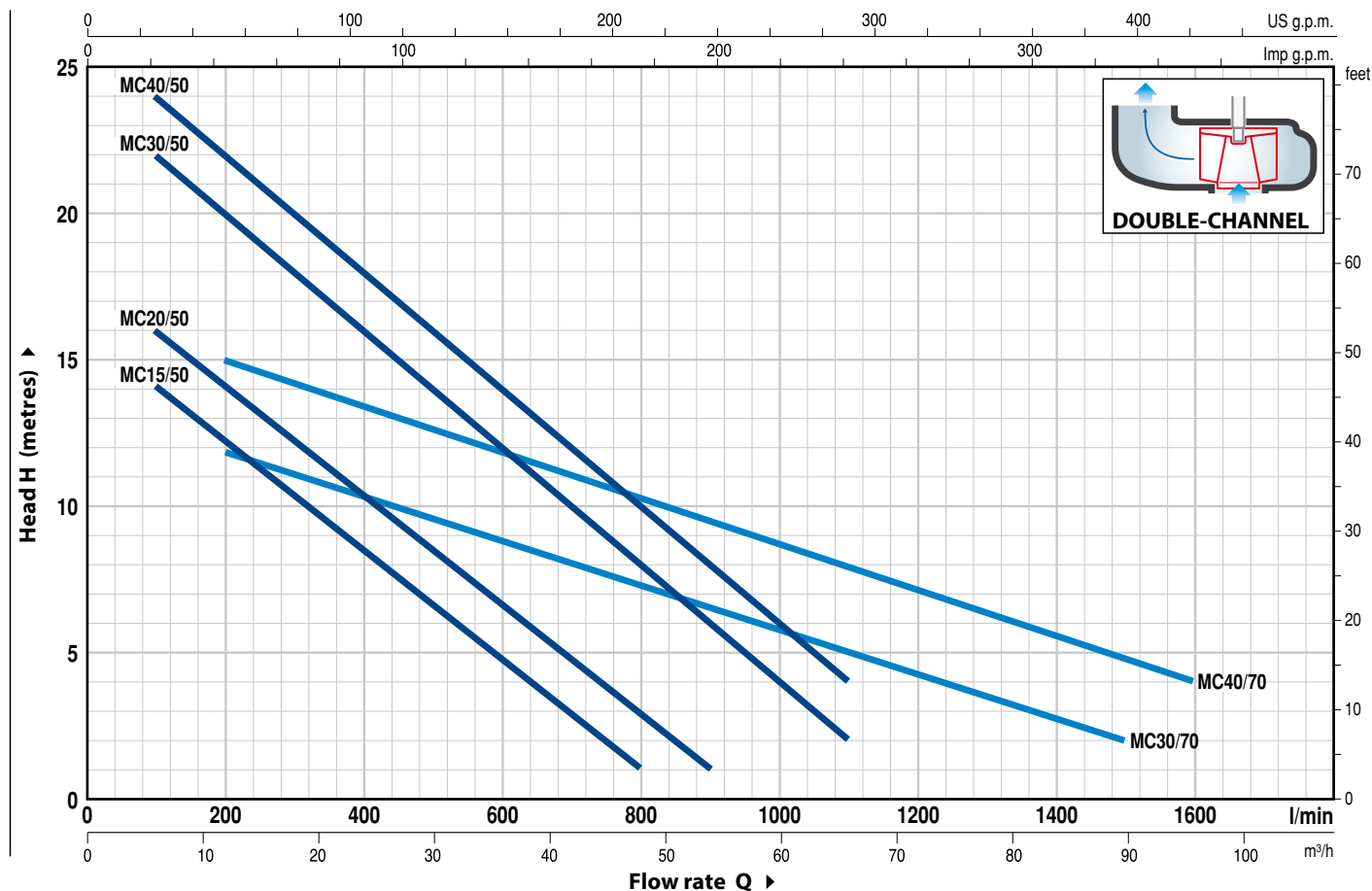
MC-serien lämpar sig väl till pumpning från dräneringsbrunn, parkeringshus och andra avloppsapplikationer som kräver större flöde.

Dubbla axeltätning i kiselkarbid säkerställer en lång livslängd.

- Stort genomlopp – Stora partiklar.
- Genomgående konstruktion i gjutjärn.
- Tillverkad i Italien.

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min<sup>-1</sup>



MODEL		POWER (P <sub>2</sub> )		Q	Flow rate															
Single-phase	Three-phase	kW	HP		m <sup>3</sup> /h	0	6	12	18	24	30	36	42	48	54	60	66	72	90	96
				l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1500	1600	
MCM 15/50	MC 15/50	1.1	1.5	H metres	16	14	12.5	10.5	8.5	6.5	4.5	3	1							
MCM 20/50	MC 20/50	1.5	2		18	16	14	12.5	10.5	8.5	6.5	5	3	1						
MCM 30/50	MC 30/50	2.2	3		24	22	20	18	16	14	12	10	8	6	4	2				
-	MC 40/50	3	4		25	24	22	20	18	16	14	12	10	8	6	4				
MCM 30/70	MC 30/70	2.2	3		13	-	12	11	10.5	9.7	9	8	7.5	6.5	6	5	4.5	2		
-	MC 40/70	3	4		17	-	15	14	13.5	12.5	12	11	10.5	9.5	8.5	8	7	4.8	4	

Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

**POS. COMPONENT CONSTRUCTION CHARACTERISTICS**

<b>1 PUMP BODY</b>	Cast iron with threaded port in compliance with ISO 228/1
<b>2 BASE</b>	Stainless steel AISI 304
<b>3 IMPELLER</b>	Precision cast stainless steel AISI 304 DOUBLE-CHANNEL type
<b>4 MOTOR CASING</b>	Cast iron
<b>5 MOTOR CASING PLATE</b>	Cast iron
<b>6 MOTOR SHAFT</b>	Stainless steel AISI 431

**7 TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER**

Seal Model	Shaft Diameter	Position	Materials		
			Stationary ring	Rotational ring	Elastomer
STA-20	Ø 20 mm	Motor side	Ceramic	Graphite	NBR
STA-19	Ø 19 mm	Pump side	Silicon carbide	Silicon carbide	NBR

**8 BEARINGS 6304 ZZ - C3 / 6304 ZZ - C3**

**9 CAPACITOR**

Pump	Capacitance
Single-phase	(230 V or 240 V)
MCm 15/50	31.5 µF 450 VL
MCm 20/50	50 µF 450 VL
MCm 30/50	60 µF 450 VL
MCm 30/70	

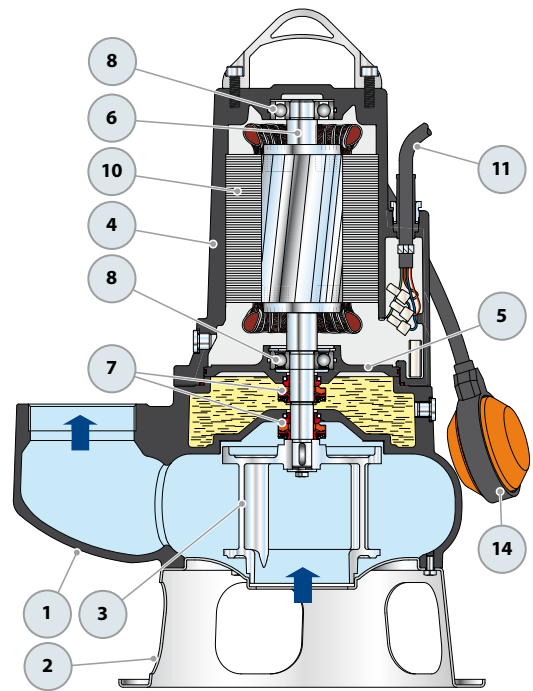
**10 ELECTRIC MOTOR**

**MCm 15-20:** single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding

⇒ **MCm 30:** single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding to be connected to the control box

⇒ **MC:** three-phase 400 V - 50 Hz. with thermal overload protector incorporated into the winding to be connected to the control box (supplied on demand)

- Insulation: class F
- Protection: IP X8



**11 POWER CABLE**

10 metres long "H07 RN-F" cable

**12 CONTROL BOX for MCm 15-20**

(only for single-phase versions)

Complete with capacitor and manual reset motor protector

**13 CONTROL BOX for MCm 30**

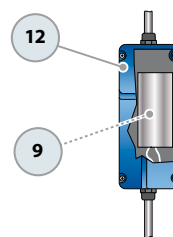
(only for single-phase versions)

QES 300 MONO series

**14 FLOAT SWITCH**

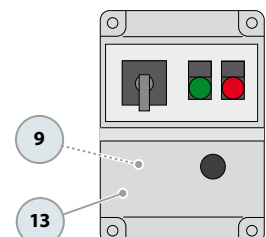
(only for single-phase versions)

Standard features



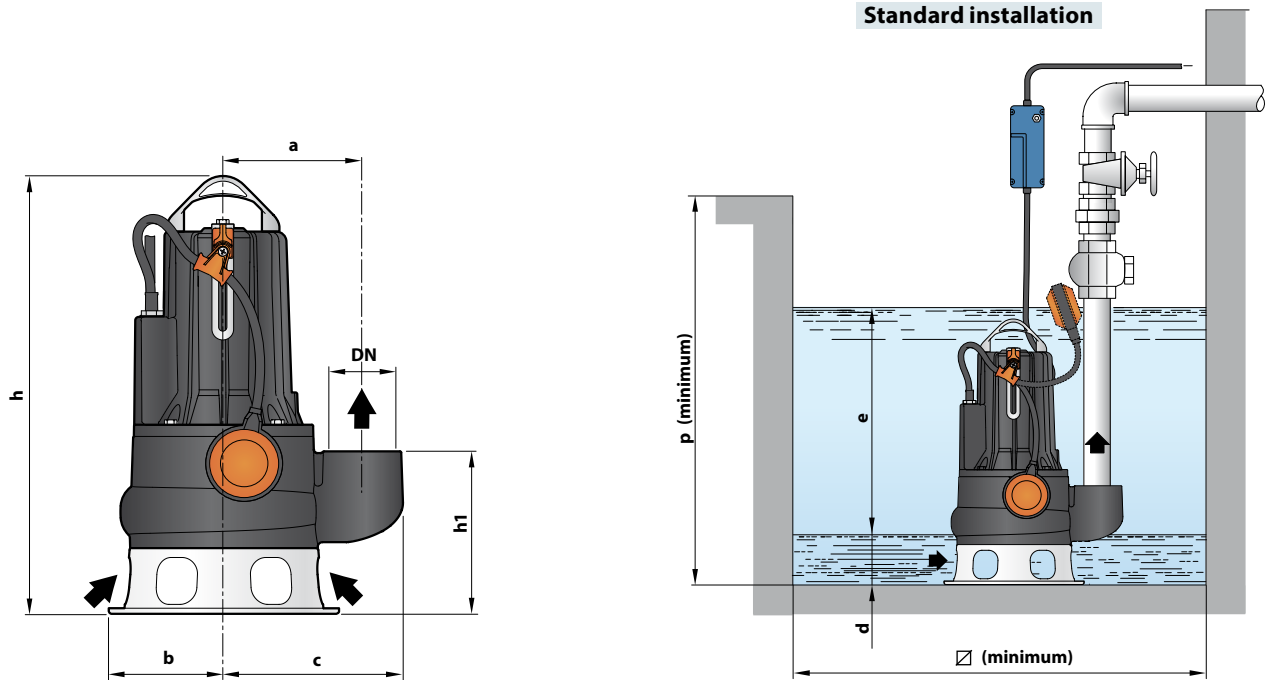
Control box for MCm 15-20 (only for single-phase versions)

Standard features



Control box for MCm 30 (only for single-phase versions)

**DIMENSIONS AND WEIGHT**



MODEL		PORT DN	Passage of solids	DIMENSIONS mm										kg	
Single-phase	Three-phase			a	b	c	h	h1	d	e	p	Ø	1~	3~	
MCm 15/50	MC 15/50	2½"	Ø 50 mm	162	135	210	520	191	75	variable	800	800	37.8	36.2	
MCm 20/50	MC 20/50						517						38.6	37.2	
MCm 30/50	MC 30/50						530						43.0	39.0	
-	MC 40/50						-						-	43.4	
MCm 30/70	MC 30/70	3"	Ø 70 mm	180	150	237	577/563	233	85				45.4	42.2	
-	MC 40/70						577						-	46.3	

**ABSORPTION**

MODEL	VOLTAGE	
	230 V	240 V
Single-phase		
MCm 15/50	9.0 A	9.0 A
MCm 20/50	10.5 A	10.0 A
MCm 30/50	15.2 A	15.2 A
MCm 30/70	15.2 A	15.2 A

MODEL	VOLTAGE		
	230-240 V	400-415 V	690-720 V
Three-phase			
MC 15/50	6.1 A	3.5 A	2.0 A
MC 20/50	7.4 A	4.3 A	2.5 A
MC 30/50	9.9 A	5.7 A	3.3 A
MC 40/50	13.5 A	7.8 A	4.5 A
MC 30/70	10.2 A	5.9 A	3.4 A
MC 40/70	13.5 A	7.8 A	4.5 A