Datablad

MC 20/50-F kanalhjul avloppspump

Artikelnr	Beteckning
111270	MC 20/50-F:1,5/3x400/DN65

Installation	
Vikt	43,5 kg
Styrning	Manuell
Ansl. ut	DN65 PN10

Övrigt	
Max Tryck	18 mVp
Max Flöde	15,0 l/sek

Elektrisk Data	
Effekt	1,50 kW
Märkström	5,0 A
Spänning	3x400



Pedrollo MC Kanalhjul Avloppspump

PEDROLLO MC är en serie högeffektiva, dränkbara avloppspumpar med konstruktion i gjutjärn och fläns för montering på kopplingsfot.

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.

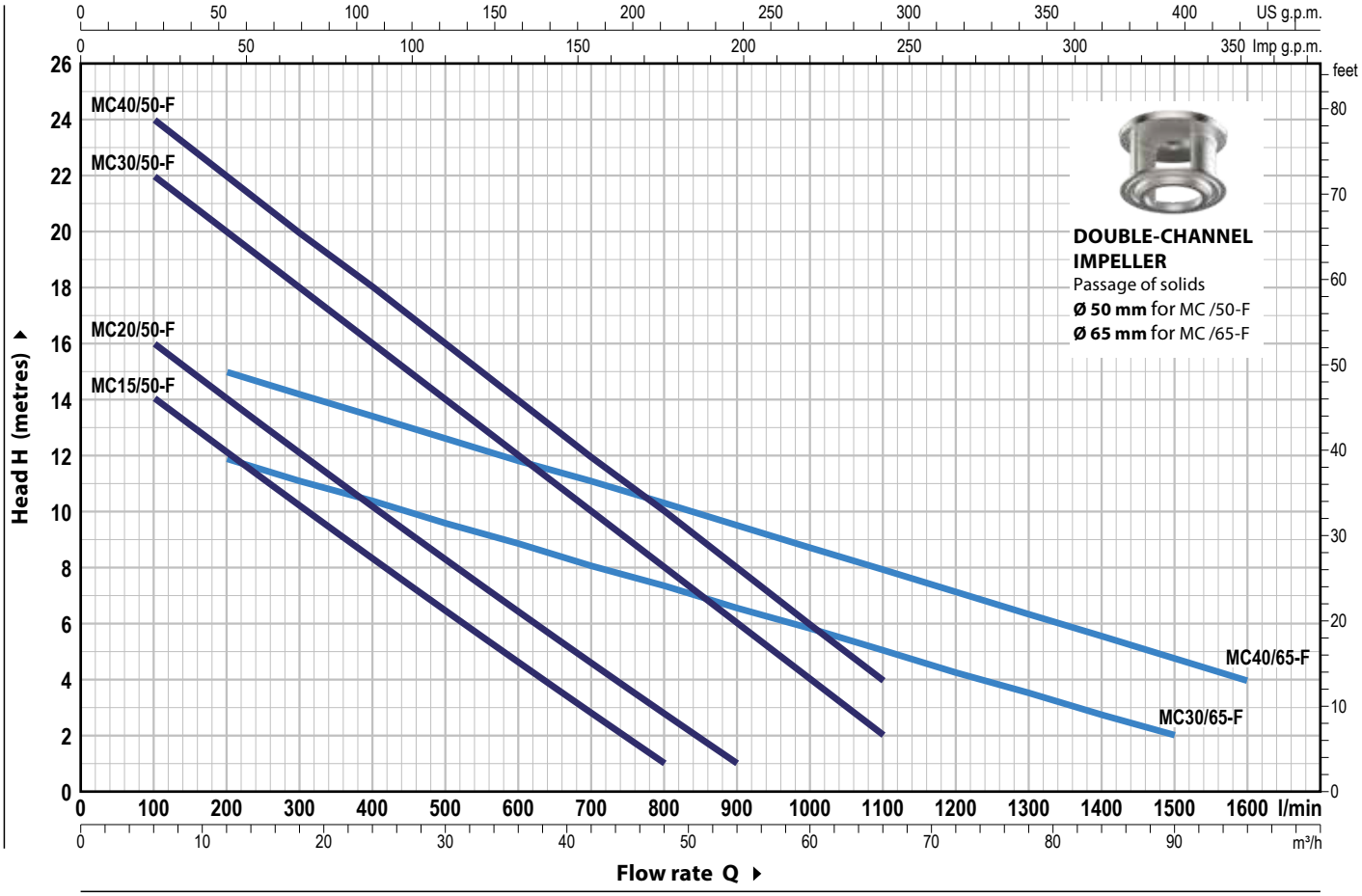
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Med reservation för tryckfel

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CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min^{-1}



MODEL		POWER (P2)		Q m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	90	96
Single-phase	**Three-phase**	**kW**	**HP**	l/min	**0**	**100**	**200**	**300**	**400**	**500**	**600**	**700**	**800**	**900**	**1000**	**1100**	**1200**	**1500**	**1600**
MCm 15/50-F	**MC 15/50-F**	1.1	1.5	H metres	16	14	12.5	10.5	8.5	6.5	4.5	3	1						
MCm 20/50-F	**MC 20/50-F**	1.5	2		18	16	14	12.5	10.5	8.5	6.5	5	3	1					
MCm 30/50-F	**MC 30/50-F**	2.2	3		24	22	20	18	16	14	12	10	8	6	4	2			
–	**MC 40/50-F**	3	4		25	24	22	20	18	16	14	12	10	8	6	4			
MCm 30/65-F	**MC 30/65-F**	2.2	3		13	–	12	11	10.5	9.7	9	8	7.5	6.5	6	5	4.5	2	
–	**MC 40/65-F**	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.

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POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	**PUMP BODY**	Cast iron with an Epoxy Electro Coating treatment, with flanged and threaded ports in compliance with ISO 228/1
2	**IMPELLER**	Precision cast stainless steel AISI 304 DOUBLE-CHANNEL type
3	**MOTOR CASING**	Cast iron with an Epoxy Electro Coating treatment
4	**MOTOR CASING PLATE**	Cast iron with an Epoxy Electro Coating treatment
5	**MOTOR SHAFT**	Stainless steel AISI 431

6 TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER

Seal	*Shaft*	*Position*	*Materials*		
Model	***Diameter***		*Stationary ring*	*Rotational ring*	*Elastomer*
STA-22	**Ø 22** mm	Motor side	Ceramic	Graphite	NBR
STA-20	**Ø 20** mm	Pump side	Silicon carbide	Silicon carbide	NBR

7 BEARINGS **6305 CM D 6 / 6204 ZZ - C3**

8 ELECTRIC MOTOR

MCm 15-20-30-F: single-phase 230 V - 50 Hz
with thermal overload protector incorporated into the winding

MC-F: 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

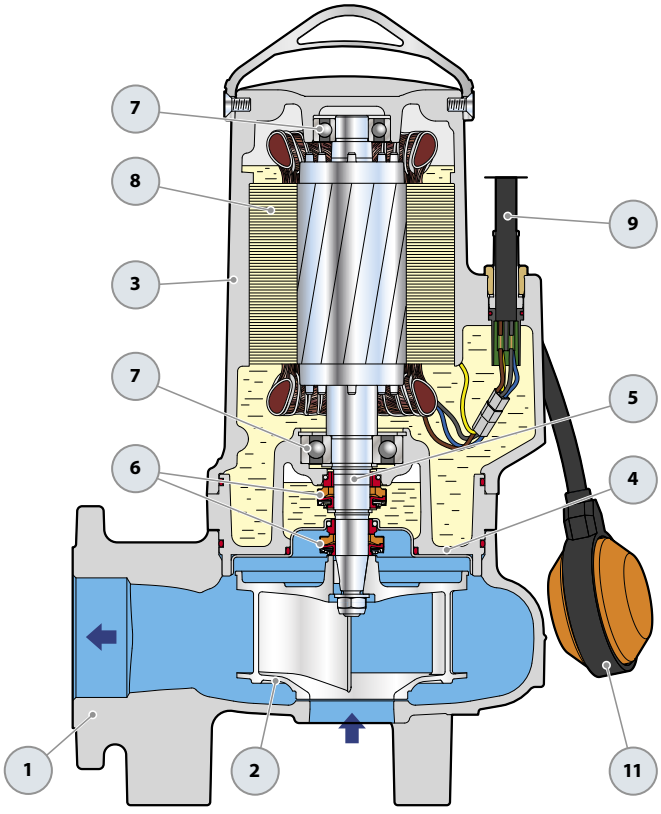
9 POWER CABLE

10 metres long "H07 RN-F" cable

10 CONTROL BOX for MCm 15-20-30-F
(only for single-phase versions)

Complete with capacitor and manual reset motor protector

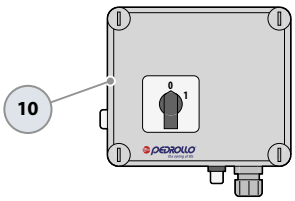
11 FLOAT SWITCH
(only for single-phase versions)



Standard Equipment

OPTIONAL – Supporting Base





Control Box
(only for single-phase versions)

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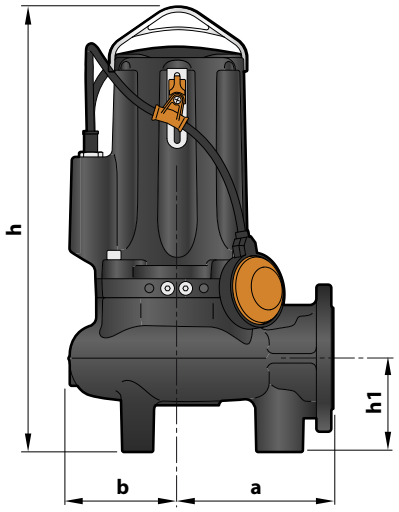
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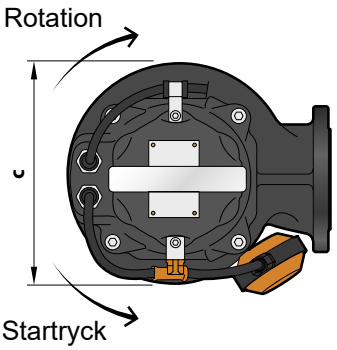
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DIMENSIONS AND WEIGHT





Rotation sett ovanifrån

MODEL		Passage of solids mm	DIMENSIONS mm					kg	
Single-phase	Three-phase		a	b	c	h	h1	1~	3~
MCm 15/50-F	MC 15/50-F	Ø 50	170	119	242	487	102	43.5	42.0
MCm 20/50-F	MC 20/50-F							44.5	43.5
MCm 30/50-F	MC 30/50-F					513 | 487		49.5	44.5
–	MC 40/50-F					513		–	49.5
MCm 30/65-F	MC 30/65-F	Ø 65	210	120	246	547 | 521	123	52.0	47.0
–	MC 40/65-F					547		–	52.0

ABSORPTION AND CAPACITORS

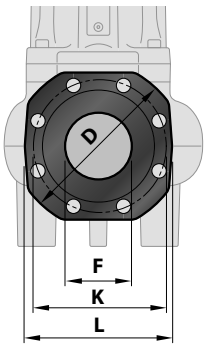
MODEL	VOLTAGE	
Single-phase	230 V	240 V
MCm 15/50-F	10.5 A	10.1 A
MCm 20/50-F	14.0 A	13.4 A
MCm 30/50-F	18.0 A	17.3 A
MCm 30/65-F	14.0 A	13.4 A

MODEL	VOLTAGE		
Three-phase	230–240 V	400–415 V	690–720 V
MC 15/50-F	7.8 A	4.5 A	2.8 A
MC 20/50-F	8.7 A	5.0 A	3.3 A
MC 30/50-F	10.4 A	6.0 A	4.3 A
MC 40/50-F	11.2 A	6.5 A	4.8 A
MC 30/65-F	9.5 A	5.5 A	3.8 A
MC 40/65-F	13.0 A	7.5 A	5.8 A

MODEL	CAPACITANCE CAPACITORS
Single-phase	(230 V or 240 V)
MCm 15/50-F	50 µF 450 VL
MCm 20/50-F	50 µF 450 VL
MCm 30/50-F MCm 30/65-F	60 µF 450 VL

PORT FLANGE

MODEL	FLANGE	F	K	D	L	HOLES	
			mm	mm	mm	N°	Ø (mm)
MC /50-F	DN65 (PN10)	2½"	145	185	160	4	18
MC /65-F	DN80 (PN10)	3"	160	200	180	8	18



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HORIZONTAL DELIVERY VERSION WITH ¾" GUIDE TUBES

For **VXC /50-F, MC /50-F**	Cod. ASSVXCF051	DN **2"**

Kit consisting of:
1. footing connection
2. slide guide with screws and seals
3. support for the guide tubes





VERTICAL DELIVERY VERSION WITH ¾" GUIDE TUBES

For **VXC /50-F, MC /50-F**	Cod. ASSVXCF051V	DN **2½"**
For **VXC /65-F, MC /65-F**	Cod. ASSVXCF071V	DN **3"**

Kit consisting of:
1. footing connection completo di controflangia
2. slide guide with screws and seals
3. support for the guide tubes





VERTICAL DELIVERY VERSION WITH 2" GUIDE TUBES

For **VXC /50-F, MC /50-F**	Cod. ASSVXCF0704V	DN **3"**
For **VXC /65-F, MC /65-F**	Cod. ASSVXCF0705V	

Kit consisting of:
1. footing connection completo di controflangia
2. slide guide with screws and seals
3. support for the guide tubes

ACCESSORIES CAN BE ORDERED

SLIDE GUIDE (Also to be ordered separately)

For **VXC /50-F, MC /50-F** with guide tubes **Ø ¾"**	Cod. ASSFL0017
For **VXC /65-F, MC /65-F** with guide tubes **Ø ¾"**	Cod. ASSFL0018
For **VXC /50-F, MC /50-F** with guide tubes **Ø 2"**	Cod. ASSFL071
For **VXC /65-F, MC /65-F** with guide tubes **Ø 2"**	Cod. ASSFL072

Complete with screws and seals

INTERMEDIATE SUPPORT (To be ordered separately)

For guide tubes **Ø ¾"**	Cod. 859SV340INTFA
For guide tubes **Ø 2"**	Cod. 859SV349INTFA

In order to ensure stability, insert the intermediate support:
– every 2 metres with ¾" guide tubes (compulsory)
– every 3 metres with 2" guide tubes (recommended)

INTERMEDIATE SUPPORT

For guide tubes Ø ¾"



For guide tubes Ø **2"**



GUIDE TUBES (AISI 304 stainless steel)

Guide tube **Ø ¾"**	Cod. 54SARTG005
Guide tube **Ø 2"**	Cod. 54SARTG006

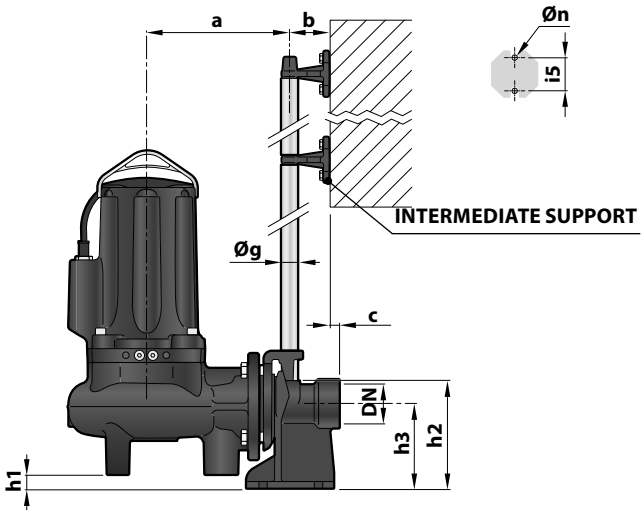
Maximum length of the tube plank: 6 metres

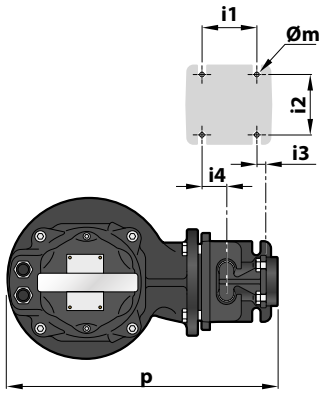
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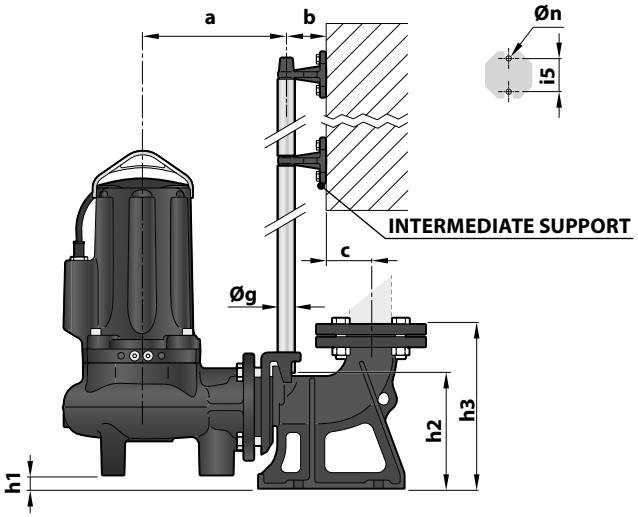
DIMENSIONS (Horizontal delivery version)

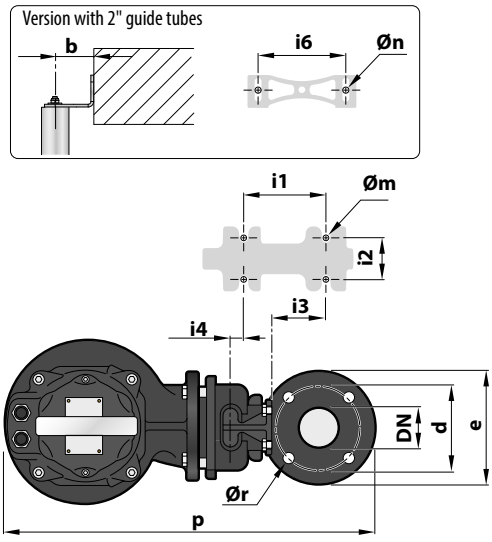




MODEL	Passage of solids	PORT	DIMENSIONS mm													
	mm	DN	a	b	c	p	h1	h2	h3	i1	i2	i3	i4	i5	Øg	Øm	Øn
VXC /50-F MC /50-F	Ø 50	2"	216	61	17	412	28	165	130	85	94	16	40	50	¾"	12	11

DIMENSIONS (Vertical delivery version)





Version with ¾" guide tubes

MODEL	Passage of solids	PORT	DIMENSIONS mm																	
	mm	DN	a	b	c	d	e	p	h1	h2	h3	i1	i2	i3	i4	i5	Øg	Øm	Øn	Ør
VXC /50-F MC /50-F	Ø 50	2½" (PN10)	213	61	52	125	165	526	25.5	164	215	120	72	62	3	50	¾"	14	11	18
VXC /65-F MC /65-F	Ø 65	3" (PN6)	253	61	69	150	190	598	46	216	279	130	112	84	15	50	¾"	14	11	18

Version with 2" guide tubes

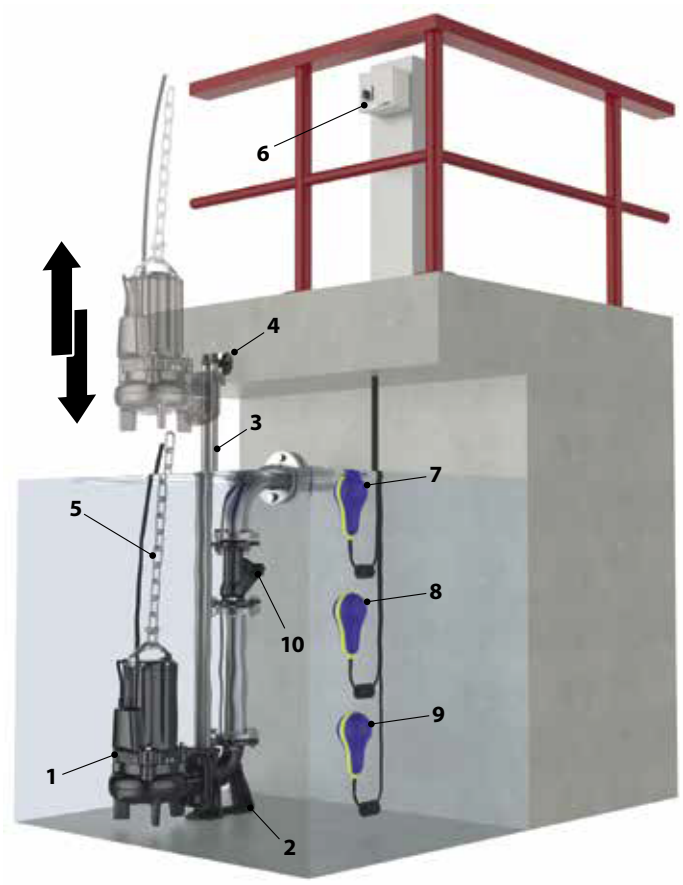
MODEL	Passage of solids	PORT	DIMENSIONS mm																		
	mm	DN	a	b	c	d	e	p	h1	h2	h3	i1	i2	i3	i4	i5	i6	Øg	Øm	Øn	Ør
VXC /50-F MC /50-F	Ø 50	3" (PN10)	320	85	95	160	200	718	105	265	392	250	150	35	-130	–	187	2"	22	13.5	18
VXC /65-F MC /65-F	Ø 65	3" (PN10)	359	85	95	160	200	760	84	256	392	250	150	35	-130	–	187	2"	22	13.5	18

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STANDARD INSTALLATION



1. Pump
2. Footing connection
3. Guide tubes
4. Support for the guide tubes
5. Lifting chain
6. Control box
7. Alarm float switch
8. Starting float switch
9. Stop float switch
10. Non-return valve





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