

4" monoblock submersible pumps

 Clean water
(Maximum sand content 200 g/m³)

 Domestic use

 Civil use

 Agricultural use



PERFORMANCE RANGE

- Flow rate up to **200 l/min** (12 m³/h)
- Head up to **140 m**

APPLICATION LIMITS

- Maximum liquid temperature **+35 °C**
- Maximum sand content **200 g/m³**
- Maximum immersion depth of **60 m** with a sufficiently long power cable
- Vertical and horizontal installation
- Starts/hour: **20** at regular intervals
- Continuous service **S1**

INSTALLATION AND USE

Suitable for pumping clean water from boreholes that contain sand (up to 200 g/m³).

Because of their high efficiency and reliability they are suitable for use in domestic applications such as domestic water supply as part of a pressure supply and for irrigation, etc.

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1 EN 60034-1
IEC 60335-1 IEC 60034-1
CEI 61-150 CEI 2-3



EU REGULATION N. 547/2012

CERTIFICATIONS

Company with management system certified DNV ISO 9001: QUALITY



PATENTS - TRADE MARKS - MODELS

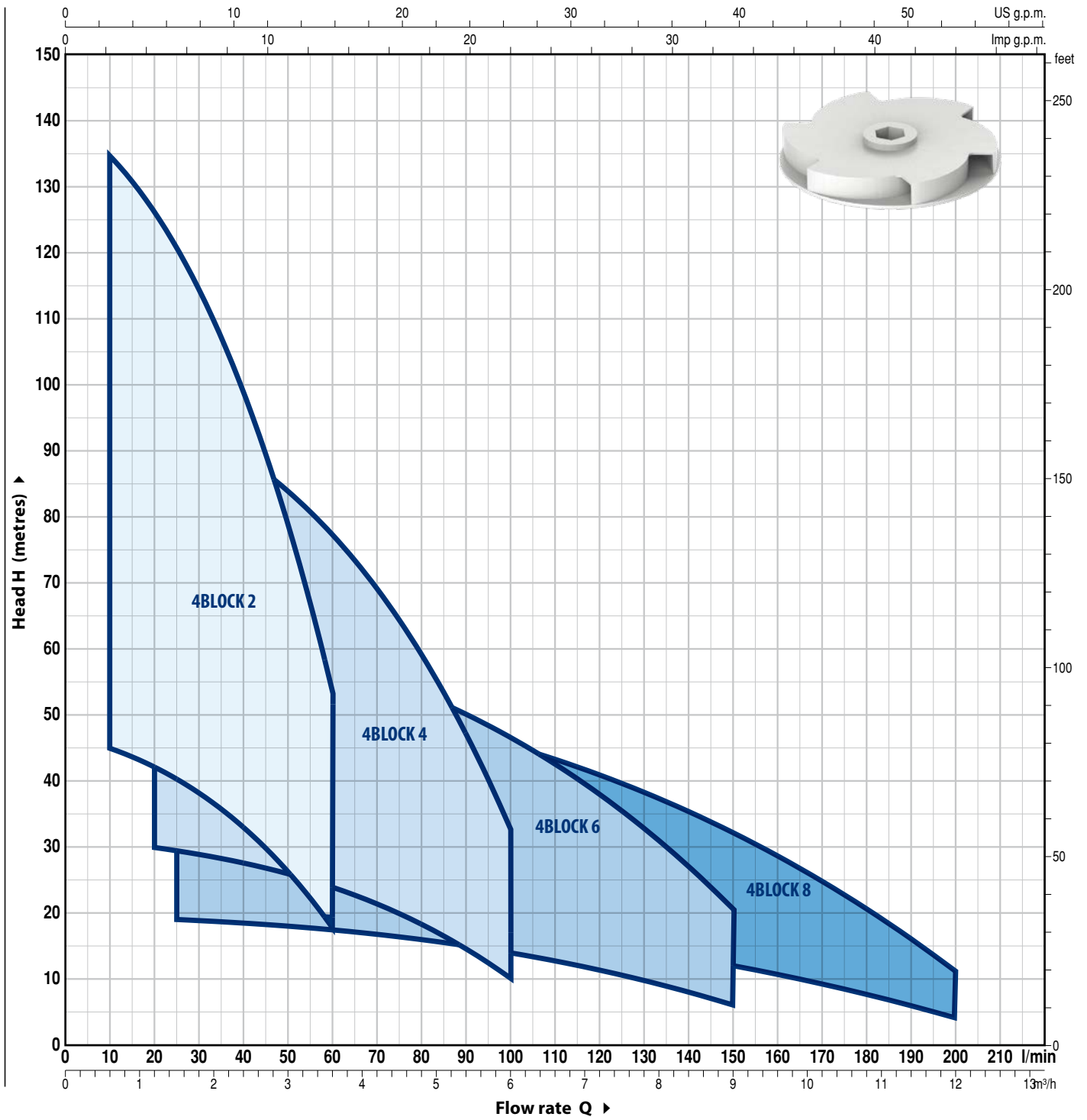
- European Patents n. n° EP3123031, EP2419642

OPTIONS AVAILABLE ON REQUEST

- **30 metres** long power cable
- Other voltages or 60 Hz frequency

PERFORMANCE RANGE

50 Hz n= 2900 min⁻¹

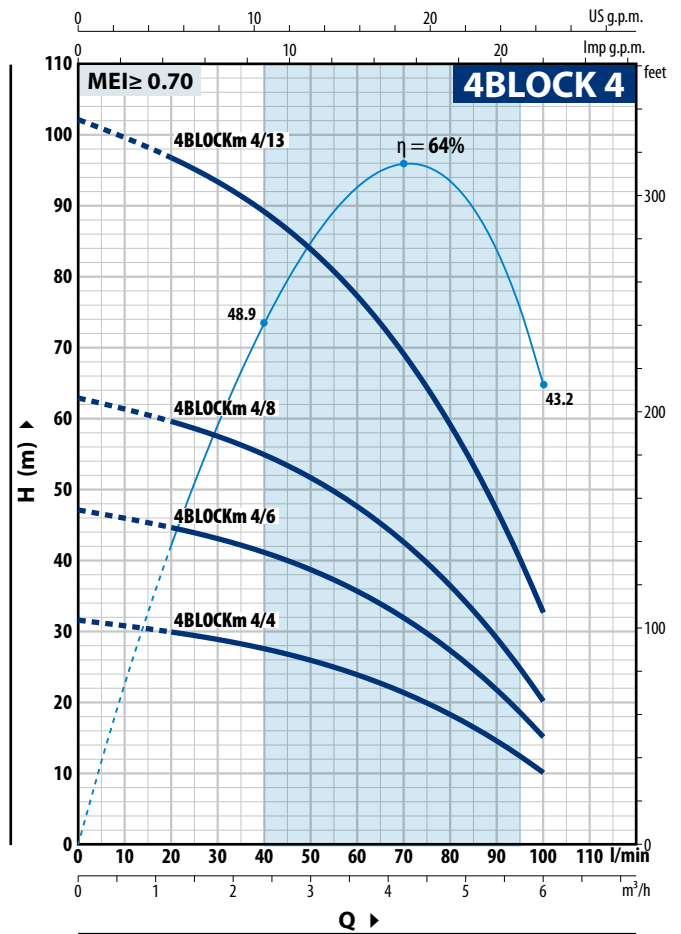
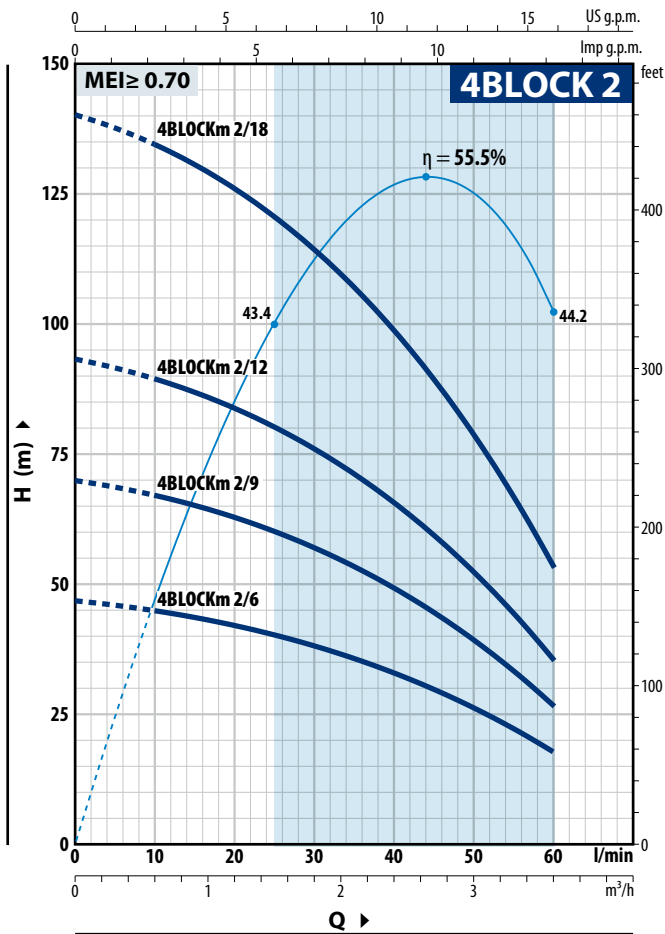


► Ready to install, stainless steel monoblock submersible pump.

Complete with: – motor with built-in capacitor and thermal overload protector
– 20 m long power cable.

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 min⁻¹



4BLOCK 2

MODEL	POWER (P ₂)		Q	Flow rate							
	kW	HP		m ³ /h	l/min	US g.p.m.	US g.p.m.	US g.p.m.	US g.p.m.	US g.p.m.	US g.p.m.
Single-phase				0	0.6	1.2	1.8	2.4	3.0	3.6	
				0	10	20	30	40	50	60	
4BLOCKm 2/6	0.37	0.50	H metres	47	45	42	38	33	26.3	18	
4BLOCKm 2/9	0.55	0.75		70	67.5	63	57	49.5	39.5	26.5	
4BLOCKm 2/12	0.75	1		94	90	84	76	66	52.5	35.5	
4BLOCKm 2/18	1.1	1.5		140	135	126	114	99	79	53.5	

4BLOCK 4

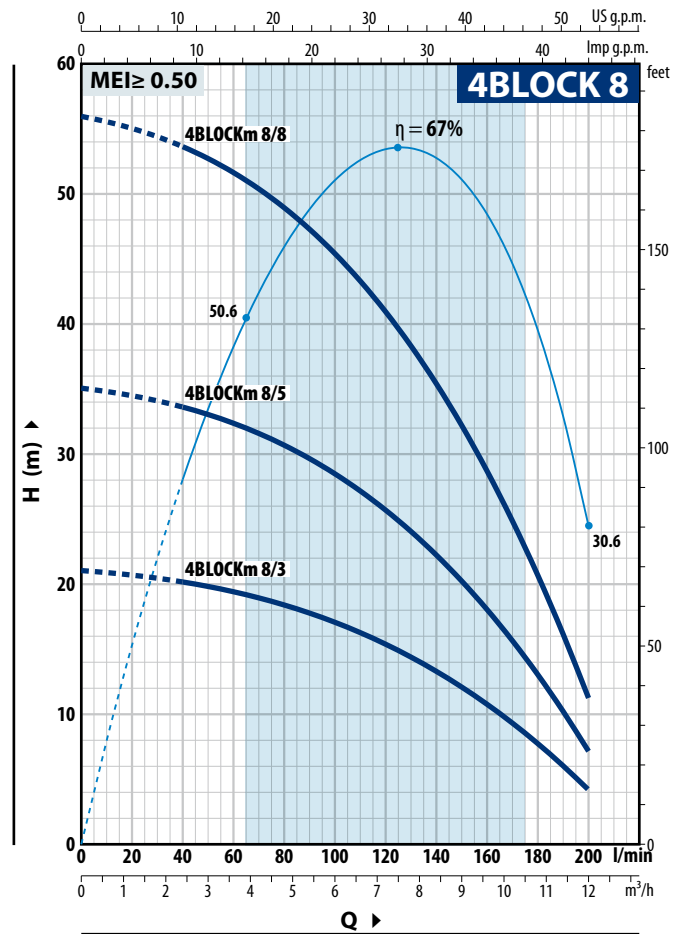
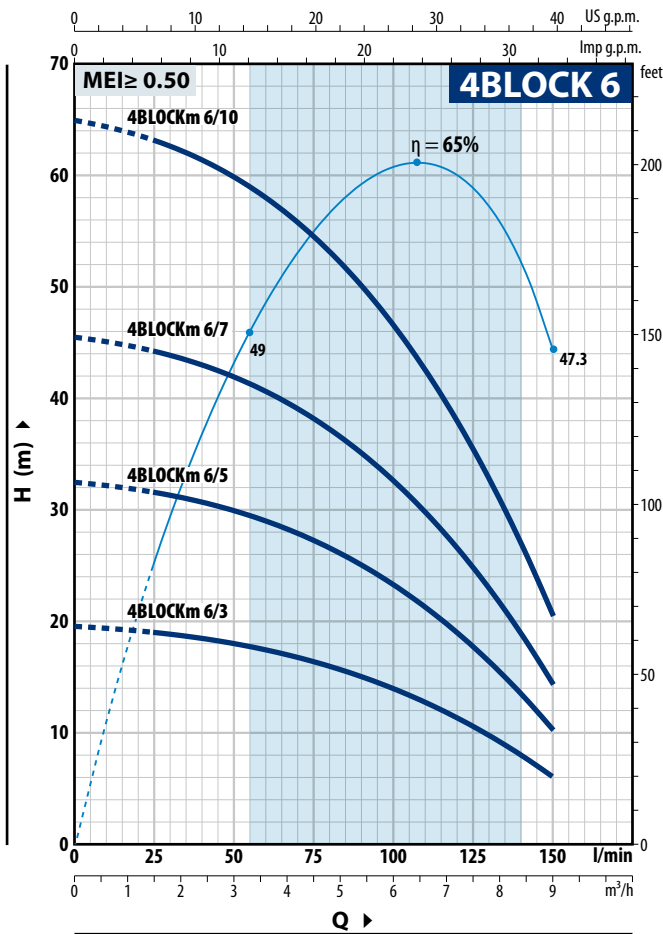
MODEL	POWER (P ₂)		Q	Flow rate							
	kW	HP		m ³ /h	l/min	US g.p.m.	US g.p.m.	US g.p.m.	US g.p.m.	US g.p.m.	US g.p.m.
Single-phase				0	1.2	1.5	2.4	3.6	4.5	6.0	
				0	20	25	40	60	75	100	
4BLOCKm 4/4	0.37	0.50	H metres	31.5	30	29.5	27.5	23.8	19.8	10	
4BLOCKm 4/6	0.55	0.75		47	44.5	44	41	35.5	29.5	15	
4BLOCKm 4/8	0.75	1		63	59.5	58.5	55	47.5	39.5	20	
4BLOCKm 4/13	1.1	1.5		102	97	95	89	77	64.5	32.5	

Q = Flow rate H = Total manometric head

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 min⁻¹



4BLOCK 6

MODEL	POWER (P ₂)		Q												
	kW	HP		m ³ /h	0	1.5	2.4	3.6	4.5	6.0	7.5	9.0			
Single-phase			l/min	0	25	40	60	75	100	125	150				
4BLOCKm 6/3	0.37	0.50	H metres		19.5	19	18.4	17.4	16.4	14	10.6	6			
4BLOCKm 6/5	0.55	0.75			32.5	31.5	30.5	29	27.5	23.3	17.7	10			
4BLOCKm 6/7	0.75	1			45.5	44	43	40.5	38	32.5	24.8	14.5			
4BLOCKm 6/10	1.1	1.5			65	63	61.5	58	54.5	46.5	35.5	20.5			

4BLOCK 8

MODEL	POWER (P ₂)		Q											
	kW	HP		m ³ /h	0	2.4	3.6	4.5	6.0	7.5	9.0	10.5	12	
Single-phase			l/min	0	40	60	75	100	125	150	175	200		
4BLOCKm 8/3	0.55	0.75	H metres		21	20	19.4	18.7	17.1	14.9	12.1	8.6	4	
4BLOCKm 8/5	0.75	1			35	33.5	32.5	31	28.5	24.8	20.2	14.3	7	
4BLOCKm 8/8	1.1	1.5			56	53.5	51.5	50	45.5	39.5	32.5	22.9	11.5	

Q = Flow rate H = Total manometric head

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

POS. COMPONENT

CONSTRUCTION CHARACTERISTICS

1 DELIVERY BODY AND EXTERNAL SLEEVE Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1.

2 PUMP BEARING Fixed part in EPDM

3 IMPELLERS Delrin

4 DIFFUSERS Noryl

5 STAGE CASING Stainless steel AISI 304

6 PUMP SHAFT Stainless steel AISI 304

7 CABLE COVER Stainless steel AISI 304

8 FILTER Stainless steel AISI 304

9 MOTOR BRACKET Tecnopolymer and brass

10 MOTOR SHAFT Stainless steel AISI 431

11 MOTOR SLEEVE Stainless steel AISI 304

12 MECHANICAL SEAL

Seal Model	Shaft Diameter	Materials		
		Stationary ring	Rotational ring	Elastomer
ST1-16	Ø 16 mm	Ceramic	Graphite	NBR

13 BEARINGS 6203 / 6203

14 CAPACITOR EN 60252-1/A1  

15 ELECTRIC MOTOR

Submersible PEDROLLO motor, suitable for continuous duty, rewindable in oil bath (non-toxic oil for food use).

4BLOCKm: single-phase 220-230 V - 50 Hz

Motor with built-in capacitor.

Thermal overload protector incorporated into the winding.

– Insulation: class F

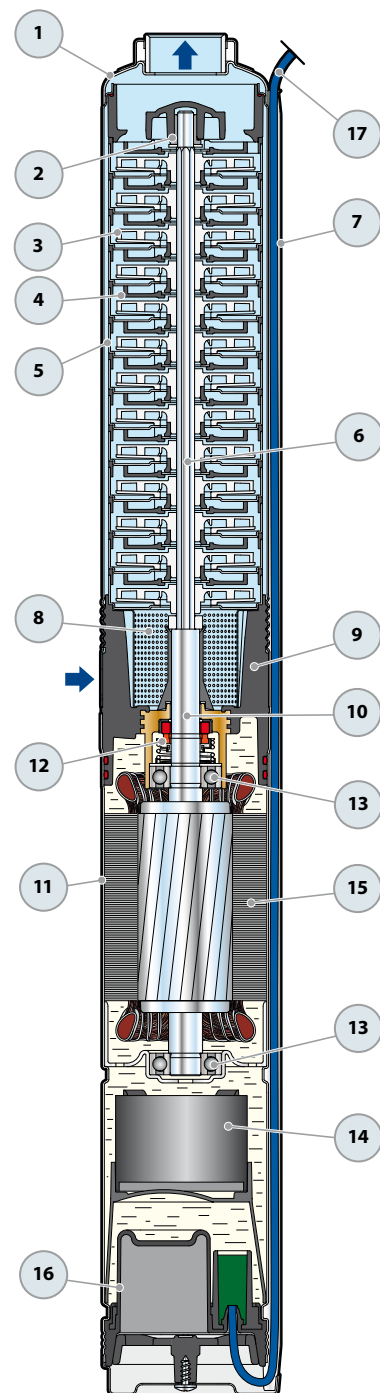
– Protection: IP X8

16 MEMBRANE BALANCER

17 POWER CABLE

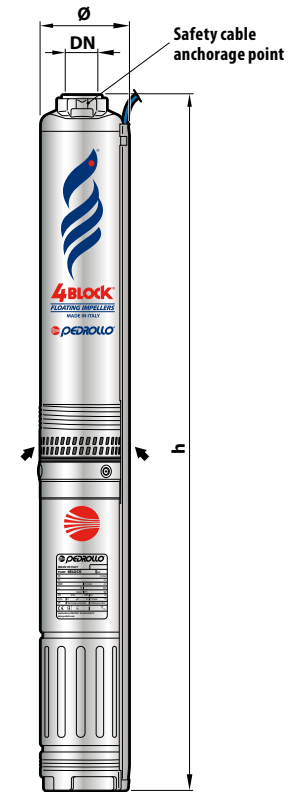
⇒ Di tipo DRINCABLE® HRC approved for use in drinking water by "ACS" in compliance with XP P 41-250, approval n. 18 MAT NY 156

Standard length 20 metres



DIMENSIONS AND WEIGHT

MODEL	PORT DN	DIMENSIONS mm			kg
		N.STAGES	Ø	h	
Single-phase					1~
4BLOCKm 2/6	1¼"	6	100	597	11.2
4BLOCKm 2/9		9		657	12.4
4BLOCKm 2/12		12		737	14.3
4BLOCKm 2/18		18		907	17.2
4BLOCKm 4/4		4		577	10.8
4BLOCKm 4/6		6		627	11.8
4BLOCKm 4/8		8		697	12.8
4BLOCKm 4/13		13		872	16.6
4BLOCKm 6/3		3		572	10.6
4BLOCKm 6/5		5		635	11.8
4BLOCKm 6/7		7		718	13.1
4BLOCKm 6/10		10		862	16.4
4BLOCKm 8/3		3		572	10.6
4BLOCKm 8/5		5		655	12.5
4BLOCKm 8/8		8		799	15.4



ABSORPTION

MODEL	VOLTAGE	
	230 V	240 V
Single-phase		
4BLOCKm – 0.37 kW	3.2 A	3.1 A
4BLOCKm – 0.55 kW	4.0 A	3.8 A
4BLOCKm – 0.75 kW	6.0 A	5.8 A
4BLOCKm – 1.1 kW	8.0 A	7.7 A

CAPACITORS

MODEL	CAPACITANCE
Single-phase	230 V or 240 V
4BLOCKm – 0.37 kW	20 µF - 450 VL
4BLOCKm – 0.55 kW	20 µF - 450 VL
4BLOCKm – 0.75 kW	35 µF - 450 VL
4BLOCKm – 1.1 kW	35 µF - 450 VL

PALLETIZATION

MODEL	GROUPAGE
Single-phase	n. pumps
4BLOCKm 2	55
4BLOCKm 4	55
4BLOCKm 6	55
4BLOCKm 8	55

Typical installation

