



ALFRA ROTABEST® – CORE DRILLING MACHINE OVERVIEW

	 RB 35 SP		 RB 50 SP		 SP-V	 V 32
Prod.-No.	230 V: 18801	110 V: 18801.110	230 V: 18851	110 V: 18851.110	18343	230 V: 18710 110 V: 18710.110
Core drill dimensions	Ø 12.0 - 35.0 mm		Ø 12.0 - 50.0 mm		-	Ø 12.0 - 32.0 mm
Cutting depth	50.0 mm		50.0 mm		-	30.0 mm
Twist drill	Ø 1.0 - 13.0 mm		Ø 1.0 - 20.0 mm		Ø depending on the respective drilling machine used	-
Counterboring	Ø 10.0 - 40.0 mm		Ø 10.0 - 40.0 mm		-	Ø 10.0 - 32.0 mm
Tapping	-		-		-	-
Arbor	Quick-release chuck		Quick-release chuck MK2		Eurobund Ø 43 mm	19 mm Weldon shank
Stroke	105 mm		100 mm		105 mm	45 mm
Height adjustment	80 mm		47 mm		80 mm	
Gearbox – on-load speed	450 rpm		1. Step 250 rpm 2. Step 450 rpm		-	450 rpm
Power consumption	1,100 W		1,200 W		-	900 W
Voltage	230 V 50/60 Hz 110 V 50/60 Hz		230 V 50/60 Hz 110 V 50/60 Hz		-	230 V 50/60 Hz 110 V 50/60 Hz
Tool Force (10 mm) / Magnetic holding force	2,800 N/8,000 N		2,300 N/8,000 N		2,800 N/8,000 N	2,100 N/16,000 N
Min. Material Thickness	From 2 mm		From 2 mm		From 2 mm	6 mm
Magnet foot	72 x 190 mm		72 x 190 mm		72 x 190 mm	95 x 200 mm
Weight	9.9 kg		11.5 kg		6.8 kg	12.5 kg
Motor						
Smooth start	✓		✓		-	Compact, lying
Hybrid relays	✓		✓		-	
Full-wave control electronics	-		-		-	
Right/left run	-		-		-	
Overload protection	✓		✓		-	
Motor emergency stop	✓		✓		-	
Gearboxes						
Oil bath gearbox	✓		✓		-	Compact mitre gear
Mechanical slipping clutch	-		-		-	
Slide						
Stepless adjustment	✓		✓		-	2-sided column guide
Self-adjusting guide	✓		✓		-	
Operation						
Soft-touch grips	✓		✓		-	Space-saving - through ratchet
Membrane keyboard	✓		✓		-	
Holder for Allen key	✓		✓		-	
Cord length 5 m	✓		✓		-	
Magnet						
Sensor/LED	✓		✓		-	-
Metal rings	-		-		-	✓
TiN coating	✓		✓		✓	
Performance and Weight optimisation	✓		✓		✓	✓
	✓		✓		✓	✓



RB 35 B



PICCOLO 35/50 X



RB 50 X



RB 80 X



130

230 V: 18400	110 V: 18400.110	230 V: 18701	110 V: 18701.110	230 V: 18751	110 V: 18751.110	230 V: 18781	110 V: 18781.110	230 V: 18645	110 V: 18645.110
Ø 12.0 - 35.0 mm		Ø 12.0 - 35.0 mm		Ø 12.0 - 50.0 mm		Ø 12.0 - 80.0 mm/ Ø 20.0 - 50.0 mm (extra long 110 mm)		Ø 12.0 - 130.0 mm/ Ø 20.0 - 50.0 mm (extra long 110 mm)	
50.0 mm		50.0 mm		50.0 mm		50.0 mm / 110.0 mm		50.0 mm / 110.0 mm	
Ø 1.0 - 13.0 mm DIN 1897 short		Ø 1.0 - 13.0 mm		Ø 1.0 to 16.0 mm with quick-release chuck MK 2 Up to Ø 20.0 mm With MK 2 DIN 345 direct		Ø 1.0 - 16.0 mm with drill chuck Up to Ø 32.0 mm with MK 3 DIN 345		Up to Ø 45.0 mm with MK 4 DIN 345 direct	
Ø 10.0 - 40.0 mm		Ø 10.0 - 40.0 mm		Ø 10.0 - 40.0 mm		Ø 10.0 - 55.0 mm		Ø 10.0 - 80.0 mm	
19 mm Weldon shank		Quick-release chuck		MK2		MK3		MK 4	
120 mm		129 mm		190 mm		190 mm		230 mm	
		86 mm		100 mm		100 mm		100 mm	
450 rpm		450 rpm		1. Step 250 rpm 2. Step 450 rpm		1. Step 110 rpm 2. Step 175 rpm 3. Step 245 rpm 4. Step 385 rpm		1. Step 30 - 80 rpm. 2. Step 50 - 120 rpm. 3. Step 130 - 350 rpm. 4. Step 210 - 550 rpm.	
1,100 W		1,100 W		1,200 W		1,800 W		2,500 W	
230 V 50/60 Hz 110 V 50/60 Hz		230 V 50/60 Hz 110 V 50/60 Hz		230 V 50/60 Hz 110 V 50/60 Hz		230 V 50/60 Hz 110 V 50/60 Hz		230 V 50/60 Hz 110 V 50/60 Hz	
2,100 N/9,000 N		2,100 N/9,000 N		3,500 N/11,000 N		4,000 N/13,000 N		5,000 N/32,000 N	
6 mm		6 mm		6 mm		10 mm		10 mm	
70 x 185 mm		70 x 185 mm		92 x 220 mm		92 x 220 mm		90 x 400 mm	
10.6 kg		11.5 kg		15.0 kg		19.5 kg		34.5 kg	

-	✓	✓	✓	-
-	-	✓	✓	-
-	-	-	-	-
-	-	-	-	-
-	✓	-	-	-
-	✓	✓	✓	-
-	-	✓	✓	✓
-	-	-	✓	✓
-	✓	✓	✓	✓
✓	✓	✓	✓	-
✓	✓	✓	✓	-
-	✓	✓	✓	✓
✓	✓	✓	✓	✓
-	-	✓	✓	-
✓	✓	✓	✓	✓
-	-	-	-	-
✓	✓	✓	✓	-
✓	✓	✓	✓	✓



40 RL-E



60 RL-E



100 RL-E

Prod.-No.	230 V: 18611	110 V: 18611.110	230 V: 18626	110 V: 18626.110	230 V: 18634	110 V: 18634.110
Core drill dimensions	Ø 12.0 - 50.0 mm		Ø 12.0 - 80.0 mm/ Ø 20.0 - 50.0 mm (extra long 110 mm)		Ø 12.0 - 100.0 mm/ Ø 20.0 - 50.0 mm (extra long 110 mm)	
Cutting depth	50.0 mm		50.0 mm / 110.0 mm		50.0 mm / 110.0 mm	
Twist drill	Ø 1.0 to 16.0 mm with quick-release chuck MK 2 Up to Ø 20.0 mm with MK 2 DIN 345 direct		Ø 1.0 - 16.0 mm with drill chuck Up to Ø 32.0 mm with MK 3 DIN 345		Ø 1.0 - 16.0 mm with drill chuck Up to Ø 32.0 mm with MK 3 DIN 345	
Counterboring	Ø 10.0 - 40.0 mm		Ø 10.0 - 55.0 mm		Ø 10.0 - 55.0 mm	
Tapping	with tapping chucks: M3 - M14 with tapping attachment M3 - M20		with tapping chucks: Up to M30 with tapping attachment: Up to M30		with tapping chucks: Up to M30 with tapping attachment: Up to M30	
Arbor	MK 2		MK 3		MK 3	
Stroke	170 mm		190 mm		245 mm	
Height adjustment	100 mm		60 mm		116 mm	
Gearbox – on-load speed	right / left 1. Step 100 - 250 rpm 2. Step 180 - 450 rpm		right / left 1. Step 50 - 110 rpm 2. Step 75 - 175 rpm 3. Step 105 - 245 rpm 4. Step 165 - 385 rpm		right / left 1. Step 50 - 110 rpm 2. Step 75 - 175 rpm 3. Step 105 - 245 rpm 4. Step 165 - 385 rpm	
Power consumption	1,200 W		1,800 W		2,500 W (230 V) 2,400 W (110 V)	
Voltage	230 V 50/60 Hz 110 V 50/60 Hz		230 V 50/60 Hz 110 V 50/60 Hz		230 V 50/60 Hz 110 V 50/60 Hz	
Tool Force (10 mm) / Magnetic holding force	3,800 N / 16,000 N		4,200 N / 20,000 N		4,000 N / 20,000 N	
Min. Material Thickness	10 mm		10 mm		10 mm	
Magnet foot	80 x 230 mm		80 x 230 mm, 30° adjustable right and left, 10 mm front and back		80 x 230 mm, 30° adjustable right and left, 10 mm front and back	
Weight	16.0 kg		22.0 kg		28.0 kg	

Motor

Smooth start	-	✓	✓
Hybrid relays	-	-	-
Full-wave control electronics	✓	✓	✓
Right/left run	✓	✓	✓
Overload protection	✓	✓	✓
Motor emergency stop	-	-	-

Gearboxes

Oil bath gearbox	✓	✓	✓
Mechanical slipping clutch	-	✓	✓

Slide

Stepless adjustment	✓	✓	✓
Self-adjusting guide	-	-	-

Operation

Soft-touch grips	✓	✓	✓
Membrane keyboard	✓	✓	✓
Holder for Allen key	-	-	-
Cable length 5 m	-	-	-

Magnet

Sensor/LED	-	-	-
Metal rings	✓	✓	✓
Performance and Weight optimisation	-	-	-

