

Continued from previous page

Description	Pk	Cat. No.
Swing out rotors		
Swing out rotor 1146, 6-place, 90°, 4700 min ⁻¹ / 3112 xg (EBA 280), 6000 min ⁻¹ / 5071 xg (EBA 280 S), without carriers	1	521-1926
Swing out rotor 1148, 8-place, 90°, 5000 min ⁻¹ , 2991 xg, without carriers	1	521-1927
Swing out rotor 1142, 12-place, 60°, 5000 min ⁻¹ , 2963 xg, without carriers	1	521-1922
Fixed angle rotors		
Fixed angle rotor 1137, 6-place, 35°, 6000 min ⁻¹ , 4025 xg	1	521-1920
Fixed angle rotor 1139, 12-place, 35°, 6000 min ⁻¹ , 4146 xg	1	521-1921
Fixed angle rotor 1133, for decanting, 12-place, 35°, 5000 min ⁻¹ , 2879 xg	1	521-1919



Centrifuges, bench top, ventilated/refrigerated, UNIVERSAL 320 / 320 R Hettich



Centrifuges with excellent performance and comprehensive range of accessories enabling them to carry out virtually any centrifuging task.

- User friendly centrifuge with powered lid locking, quick-entry foil keypad, 10 programmable memories, easily exchangeable rotors
- Metal housing and lid, stainless steel chamber, viewing port in the lid
- Safety features: Lid locking and holding during rotor run, emergency lid-lock release, lid dropping protection, motor overheat protection, chamber overheat protection (UNIVERSAL 320 R), imbalance switch off, automatic rotor recognition

Ordering information: Rotors and adapters available separately.

Model	UNIVERSAL 320	UNIVERSAL 320 R
Max. capacity - swing out rotor		4x100 ml
Max. speed - fixed angle rotor (min ⁻¹)		15000
Max. RCF - fixed angle rotor (xg)		21382
Temperature (°C)	-	-20...+40
Timer	1 sec - 99 min 59 sec, continuous run, short cycle mode (pulse key)	
Power supply	200 - 240 V / 50 - 60 Hz	
WxDxH (mm)	395x520x346	401x695x346
Weight (kg)	29	52

Description	Pk	Cat. No.
Bench top centrifuge, ventilated, UNIVERSAL 320, without rotor	1	521-0903
Bench top centrifuge, refrigerated, UNIVERSAL 320 R, without rotor	1	521-0904

Description	Pk	Cat. No.
Swing out rotors		
Swing out rotor 1324, 4x100 ml, 4500 min ⁻¹ , 3328 xg, without buckets	1	521-1303
Microplate rotor 1460, 2xmicroplate, 4000 min ⁻¹ , 2218 xg	1	521-1210
Swing out rotor 1494, 4x100 ml, 5000 min ⁻¹ , 4193 xg	1	521-1214
Swing out rotor 1617, 8x50 ml, 5000 min ⁻¹ , 3857 xg (with carriers)	1	523-1703
Swing out rotor 1619, 6x50 ml, 4000 min ⁻¹ , 2701 xg (with carriers)	1	521-1215
Fixed angle rotors		
Fixed angle rotor 1418, 8x50 ml, 4500 min ⁻¹ , 3283 xg	1	521-1309
Fixed angle rotor 1613, 12x15 ml, 6000 min ⁻¹ , 4146 xg	1	521-1310
Fixed angle rotor 1615, 12x15 ml, 12000 min ⁻¹ , 16582 xg	1	521-1311
Fixed angle rotor 1620 A, 6x85 ml, 6000 min ⁻¹ , 4226 xg	1	521-1216
Fixed angle rotor 1689-A, 30x1,5/2 ml, 14000 min ⁻¹ , 21255 xg, with biocontainment lid	1	521-1218
Accessories for swing-out rotors		
Round bucket, 1x50 ml tube	1	521-1307
Round bucket, 100 ml, for 1324 rotor	1	521-1306
Biocontainment lid for round bucket 523-1120 / 521-1306	1	523-1121