

Chapter 3 Characteristics

Dimensions and Weight

Height x Width x Depth:.....28 x 37 x 46 cm
Net Weight:28 Kg

Centrifugation characteristics

Max. allowable capacity:.....with Swing-out rotor
(4 x 135 ml) $540 \times 10^{-6} \text{m}^3$
.....with Fixed-angle rotor
(6 x 50 ml) $300 \times 10^{-6} \text{m}^3$

Max. allowable density:1200 Kg/m³
Max. allowable weight:.....0.648 Kg
Max. speed:6500 rpm

Max. RCF at Tip:.....3684 xg
Work temperature:T_a + ΔT
Max. noise:.....57 dBA

Electrical characteristics

Nominal operating voltage:	230V ± 10%	50/60 Hz
	120V ± 10%	60 Hz
	100V ± 10%	50/60 Hz

Max peak current:1,5 A (for 230V)
2,5 A (for 120V)
3,8 A (for 100V)

Max power (steady state):.....150 W

Specifications

- Microprocessor controlled.
- Set/reading speed 300 – 6500 rpm (by step of 10 rpm) for each pressing of the key; from 300 rpm step of 100 rpm if you press the key continually more than 2 sec.); accuracy: ± 20 rpm.
- High or low acceleration.
- High or low deceleration.
- Set timer 1 min. up to 99 min. + continuous function.
- Electronic-accelerometric imbalance encoder.
- Direct driving system.
- Brushless induction drive motor.

Rotating equipment - Performance

Rotating equipment - Table

Rotating Equipment				Rotor composition					
				Rotating Head	Trunnion (set of 4)		Bucket		Sealing Lid
Cat.No.	Capacity	a		Cat. n°	n.	Cat. n°	n.	Cat. n°	Cat. n°
O-G26/1	11210014	4x135 ml	0-90°	11210021	-	-	1	11210331 (set/4)	11210664*
O-G26/2	11210015	16x15 ml	0-90°	11210021	1	11210344	2	11210883 (set/8)	-
O-G26/3	11210016	8x15 ml	0-90°	11210021	1	11210345	8	11203722	11203724
F-G1	11210018	6x50 ml con.	40°	11210022	-	-	1	11210635	-
F-G3	11210019	24x15 ml	45°	11210023	-	-	3	11210883 (set/8)	-
A-G20	11210891	20x2.0/1.5 ml	45°	-	-	-	-	-	11172479**

*on request

**not sealed

Performance

Rotating Equipment	Max speed	Max radius	Max RCF	Max ΔT	Max Noise
	[rpm]	[m]	[xg]	[°C]	[dBA]
O-G26/1	4000	0,148	2647	6,5	56
O-G26/2	4000	0,144	2575	10	57
O-G26/3	4000	0,144	2575	9	56
F-G1	5000	0,131	3661	10	57
F-G3	4000	0,133	2379	10	55
A-G20	6500	0,078	3684	5,5	50