



Micro multifonction

COMPACTE ET MULTIFONCTION

With its small size and wide range of rotors LINA will be your ally for many applications. You can centrifuge up to 48 micro tubes, 6 tubes 50 mL and 6 micro plates

OPTION ANTI COVID

No need to touch the centrifuge to start your cycle. A simple gesture and you can start, stop and open your lid. After 2 years of training, LINA is now bilingual in sign language and will understand you perfectly.

APPLICATION «MY AFI»

Thanks to its bluetooth connectivity, LINA can be controlled remotely via the MY AFI application.

You will be able to launch, save, manage your programs, choose your user preferences, access the manuals and catalogues of the centrifuge at your convenience on your phone or tablet.



Centrifuge Description	
AFI-CI030V-E	LINA Centrifuge Ventilated
AFI-CI030R-E	LINA Centrifuge Refrigerated
Specifications	Angular Rotor
Max Speed	23 000 rpm
Max RCF	39 625 g
Max Loading	6x 50 ml
Dim. (HxWxD)	28x31x40 cm/ 28x35x64 cm
Pack dim.	TBC
Weight	21/40kg



Our new micro & multifunction research centrifuge



FREE COVID OPTION

No need to touch the centrifuge to start your cycle. A simple gesture and you can start, stop and open your lid.



MY AFI APPLICATION

Thanks to its bluetooth connectivity, LINA can be remotely controlled via the MY AFI application. You will be able to manage your programs, choose your usage preferences and access the documents of the centrifuge.



Updating centrifuges by a simple USB connection on the front panel.

USB CONNECTION

Its major assets

6 reasons

to choose it

COMPACT & PERFORMANCE



With its small size and wide range of rotors LINA will be your ally for many applications. You can centrifuge up to 48 micro tubes, 6 tubes 50 mL and 6 micro plates

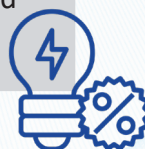


With its unique illuminated displays, visible at 7 meters, LINA will monitor your samples.

Its blue circle and OK, its green circle or blinkind red circle confirm whether or not the cycle is running smoothly. Launch your protocols with peace of mind.

INTERACTIVE ILLUMINATED DISPLAY

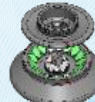
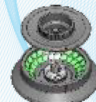
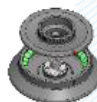
Centrifuge's electronic functions integrated into a front central unit. Plug & play system guaranteeing a fast and efficient intervention



UNIQUE ELECTRONIC FUNCTIONS

Angular Rotors rotors

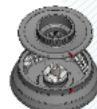
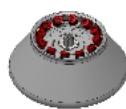
Accessories selection guide



LINA ACCESSORIES			AFI-LINA12-2	AFI-LINA24-2	AFI-LINA30-2	AFI-LINA48-2	AFI-LINA16-5	AFI-LINA20-2CRYO
Max Capacity (ml)			12x2	24x2	30x2	48x2	16x5	20x2
Max Speed (rpm)			-	18 000	14 000	14 000	14 200	-
Max RCF (g)			-	31 514	21 255	21 255	21 642	-
Lid			✓	✓	✓	✓	✓	✓
Acc/ Dec								
* Compatible with the maximum speed written above the rotor.								
Tubes	ml	Ø x L						
	0,2-0,25	6x18	12	24	30	48	16	-
	0,5	8x30	12	24	30	48	16	-
	1,1-1,4	8x82	-	-	-	-	-	-
	1,5-2	11x38	12	24	30	48	16	-
	2 SPIN COLUMN	11x38	12	24	30	48	16	-
	5	16,5x60	-	-	-	-	16	-
	1,5-2 CRYO	12,5x40	-	-	-	-	-	20
	1,3	10x45	-	-	-	-	-	-
	1,6-5	13x75	-	-	-	-	-	-
	2,6-4	13x81-91	-	-	-	-	-	-
	2,7-3	11x82	-	-	-	-	-	-
	5-7	13x75/100	-	-	-	-	-	-
	2,6-4,9	13x106	-	-	-	-	-	-
	1,2-5	11x108	-	-	-	-	-	-
	10	21x90	-	-	-	-	-	-
	4-5	15x91	-	-	-	-	-	-
	7-10	16x100	-	-	-	-	-	-
	5-8,5	15x108	-	-	-	-	-	-
	10 OAK	16x85	-	-	-	-	-	-
	15	17x120	-	-	-	-	-	-
	30	25x110	-	-	-	-	-	-
	30	25x110	-	-	-	-	-	-
	30 OAK	25x95	-	-	-	-	-	-
	50	29x115	-	-	-	-	-	-
	50 OAK	29x107	-	-	-	-	-	-
	80 OAK 85 OAK	38x106	-	-	-	-	-	-
	PCR	6x22	-	-	-	-	-	-
	Micro plates		-	-	-	-	-	-
	DeepWell		-	-	-	-	-	-

Angular rotors

Accessories selection guide



LINA ACCESSORIES			AFI-LINA12-X	AFI-LINA6-50	AFI-LINA-PCR8-8	AFI-LINA-RHDW	AFI-LINARX-5
Max Capacity (ml)			12x15	6x50	8x8	6 µplaques	8x 5mL
Max Speed (rpm)			-	-	11 800	4 700	10 000
Max RCF (g)			-	-	13 543	2 223	12 200
Lid					✓		
Acc/Dec							
* Compatible with the maximum speed written above the rotor.							
Micro Tubes	ml	Ø x L					
	0,2-0,25	6x18	-	-	-	-	-
	0,5	8x30	-	-	-	-	-
	1,1-1,4	8x82	-	18	-	-	-
	1,5-2	11x38	-	18	-	-	8
	2 SPIN COLUMN	11x38	-	-	-	-	-
	5	16,5x60	-	-	-	-	-
	1,5-2 CRYO	12,5x40	-	18	-	-	-
	1,3	10x45	-	18	-	-	-
	1,6-5	13x75	12	6	-	-	-
	2,6-4	13x81-91	-	-	-	-	-
	2,7-3	11x82	12	18	-	-	-
		13x75	12	-	-	-	8
	2,6-4,9	13x106	-	-	-	-	-
	1,2-5	11x108	-	-	-	-	-
	10	21x90	-	-	-	-	-
	4-5	15x91	-	-	-	-	-
	7-10	16x100	12	6	-	-	-
	5-8,5	15x108	-	-	-	-	-
	10 OAK	16x85	-	-	-	-	-
	15	17x120	12	6	-	-	-
	30	25x110	-	6	-	-	-
	30	25x110	-	6	-	-	-
	30 OAK	25x95	-	6	-	-	-
	50	29x115	-	6	-	-	-
	50 OAK	29x107	-	6	-	-	-
	80 OAK 85 OAK	38x106	-	-	-	-	-
	PCR	6x22	-	-	8	-	-
	Micro plates		-	-	-	6	-
	Deep Well		-	-	-	2	-

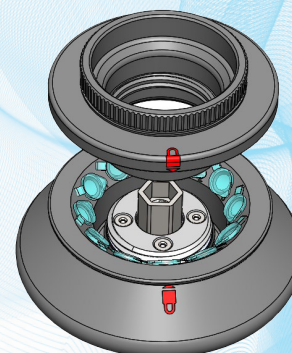
FIXED ANGULAR ROTOR

Accessories selection guide



Angular rotor 12x2mL - 45° - Sealed

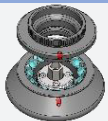
Model	V	R
Max Capacity	12x 2ml	
Angle	45°	
RPM Max	23 000	23 000
ACR Max	39 625	39 625



Tubes

	1,5-2	2	0,5	0,25	0,2
Capacity (ml)	11x38		8x30		6x18
Ø x L (mm)	12		1 12	1 12	1 12
Tubes per adapter / rotor					

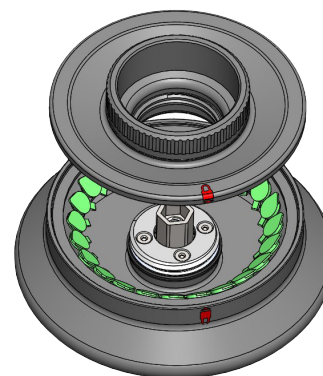
Accessories

				
Hole Ø X L (mm)	11,2x41	8,3x39	7x39	
Radius	67	67	67	67
Ref.	AFI-LINA12-2	AFI-2R05*	AFI-2R025*	AFI-2R02*

* Set of 6

Angular rotor 24x2mL - 45° - Sealed

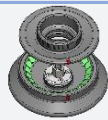
Model	V	R
Max Capacity	24x 2ml	
Angle	45°	
RPM Max	18 000	18 000
ACR Max	31 514	31 514



Tubes

	1,5-2	2	0,5	0,25	0,2
Capacity (ml)	11x38		8x30		6x18
Ø x L (mm)	24		1 12	1 12	1 12
Tubes per adapter / rotor					

Accessories

				
Hole Ø X L (mm)	11,2x41	8,3x39	7x39	
Radius	87	87	87	87
Ref.	AFI-LINA24-2	AFI-2R05*	AFI-2R025*	AFI-2R02*

* Set of 6

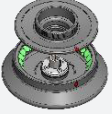
Angular rotor 30x2mL - 45° - Sealed

Model	V	R
Max Capacity	30x 2ml	
Angle	45°	
RPM Max	14 000	14 000
ACR Max	21 255	21 255

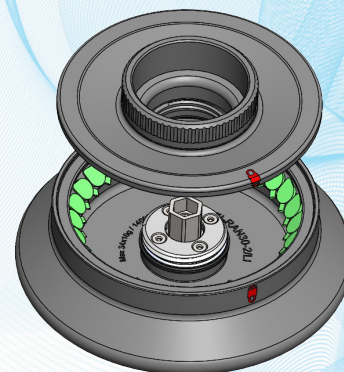
Tubes

	1,5-2	2	0,5	0,25	0,2
Capacity (ml)	11x38		8x30		6x18
Ø x L (mm)	30		1 12	1 12	1 12
Tubes per adapter / rotor					

Accessories

				
Hole Ø X L(mm)	11,2x41	8,3x39	7x39	
Radius	97	97	97	97
Ref.	AFI-LINA30-2	AFI-2R05*	AFI-2R025*	AFI-2R02*

* Set of 6



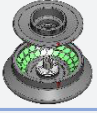
Angular rotor 48x2mL - 45° - Sealed

Model	V	R
Max Capacity	48x 2ml	
Angle	45°	
RPM Max	14 000	14 000
ACR Max	21 255	21 255

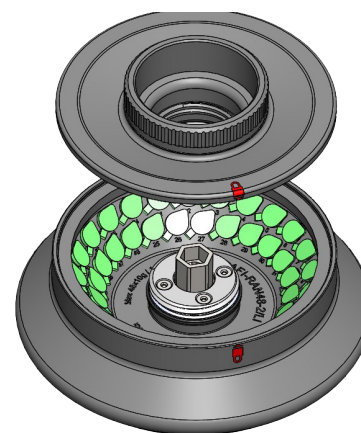
Tubes

	1,5-2	2	0,5	0,25	0,2
Capacity (ml)	11x38		8x30		6x18
Ø x L (mm)	30		1 12	1 12	1 12
Tubes per adapter / rotor					

Accessories

				
Hole Ø X L(mm)	11,2x41	8,3x39	7x39	
Radius	86 97	86 97	86 97	86 97
Ref.	AFI-LINA48-2	AFI-2R05*	AFI-2R025*	AFI-2R02*

* Set of 6



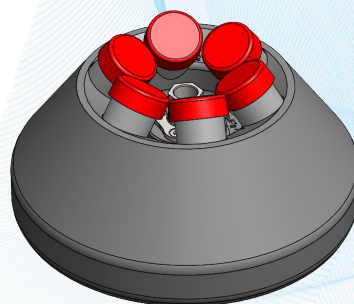
FIXED ANGULAR ROTOR

Accessories selection guide



Angular rotor 6x50mL - 35°

Model	V	R
Max Capacity	6x 50ml	
Angle	35°	
RPM Max	8 330	8 330
ACR Max	8 766	8 766



Accessories



Ref.	AFI-LINA6-50
------	--------------

Tubes

	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3 18	3 18	3 18	3 18	1 6		3 18	1 6	1 6	1 6	1 6
Adapter											
Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80	22x80
Radius	113				100		92 106	108	108	108	108
Ref.	AFI-50R1-2	AFI-50R2-2	AFI-50R2CRYO-2	AFI-50R1.3ST-2	AFI-50R5-2		AFI-50R5ST-2	AFI-50R7-2	AFI-50R7-2	AFI-50R6ST-2	AFI-50R10C-2

* Set of 8

Tubes

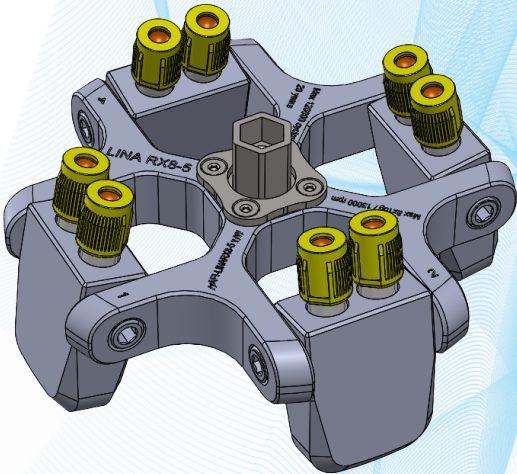
	4-8,5	7-10	10	15	30	30	30	50	50
Capacity (ml)	4-8,5	7-10	10	15	30	30	30	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1 6		1 6	1 6	1 6	1 6	1 6	1 6	1 6
Adapter									
Hole Ø x L (mm)	17x78	17x70	18x80	26x60	26x60	26,5x70	30x70	30x70	30x70
Radius	113		98	100	112	108	111	113	113
Ref.	AFI-50R10-2	AFI-50R10-OAK-2	AFI-50R15C-2	AFI-50R30S-2	AFI-50R30C-2	AFI-50R30-OAK-2	-	AFI-50R50-OAK-	

* Set of 8



Swing out rotor 8x 5 mL (Ø 13x 75 m)

Model	V	R
Max Capacity	8x 5mL	
Angle	90°	
RPM Max	10 000	
ACR Max	11 739	



Tubes

Capacity (ml)	5	1,5/2 mL
Ø x L (mm)	13x75	11 x 38
Tubes per adapter / rotor	2 8	2 8

Accessories

		
Hole Ø X L(mm)	13,5x58	
Radius	110	
Ref.	AFI-RX8-5	AFI-SR2

FIXED ANGULAR ROTOR

Accessories selection guide



Angular rotor 20x2ml - 45° - Sealed

Model	V	R
Max Capacity	20 x 2ml	
Angle	40°	
RPM Max	14 000	14 000
ACR Max	18 407	18 407



CRYO

Tubes

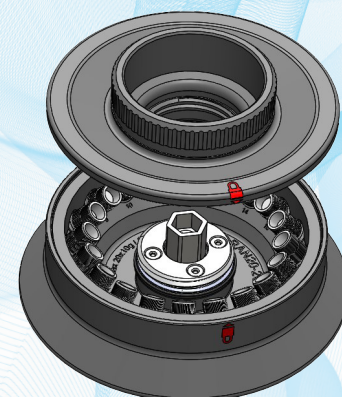
Capacity (ml)	1,5-2
Ø x L (mm)	13x
Tubes per adapter / rotor	20

Accessories



Hole Ø X L(mm)	13x30
Radius	84
Ref.	AFI-LINA20-2CRYO

* Set of 6



Angular rotor PCR 8 strips of 8 tubes - 45° - Sealed

Model	V	R
Max Capacity	8x8 PCR	
Angle	45°	
RPM Max	11 800	11 800
ACR Max	13 543	13 543



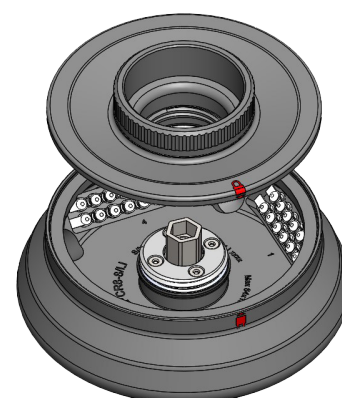
Tubes

Capacity (ml)	8x0,2
Ø x L (mm)	6x22
Tubes per adapter / rotor	8

Accessories



Hole Ø X L(mm)	6,2x16,5
Radius	87
Ref.	AFI-LINAPCR8-8



Angular rotor 12 tubes - 35°

Model	V	R
Max Capacity	12 tubes	
Angle	35°	
RPM Max	6 000	6 000
ACR Max	4 629	4 629



Tubes

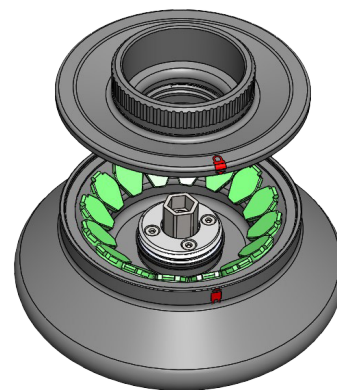
	-	5	1,6-5	5-7	10	15
Capacity (ml)	-	12x75	13x75	13x100	16x100	17x120
Ø x L (mm)	-	1 12	1 12	1 12	1 12	1 12

Accessories

Accessories						
						
Hole Ø x L (mm)	18x98	13,5x78	13,5x78	17x78	17x78	18x98
Radius	115	96 115	89	115	103	109
Ref.	AFI-LINA12-X	AFI-15R5G-12			AFI-15R15C-12	

Angular rotor 16x5mL - 45° - Sealed

Model	V	R
Max Capacity	16x 5ml	
Angle	45°	
RPM Max	14 200	14 200
ACR Max	21 642	21 642



Tubes

	5	2	2	0,5	0,25	0,2
Capacity (ml)	16,5x60	11x38	11x38	8x30		6x18
Ø x L (mm)	16	1 16	1 16	1 12	1 12	1 12

Accessories

						
Hole Ø X L(mm)	17x57	11,2x41	11,2x39	8,3x39	7x39	
Radius	96	83	83			
Ref.	AFI-LINA16-5	AFI-5R2	AFI-5R2SC	AFI-2R05*	AFI-2R025*	AFI-2R02*

* Set of 16

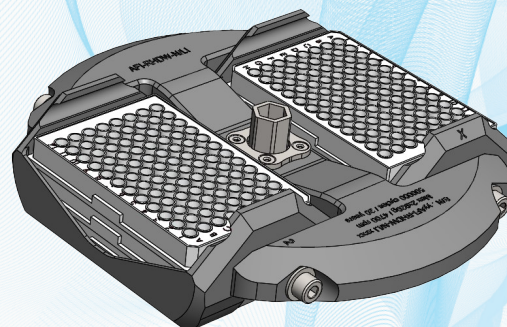
SWING OUT ROTOR

Accessories selection guide



Swing Out Rotor 2x3 Microplates

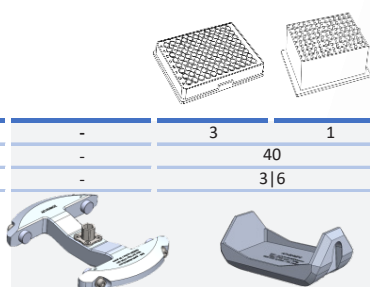
Model	V	R
Max Capacity	6 Microplates	
Angle	90°	
RPM Max	4 700	4 700
ACR Max	2 223	2 223



Tubes

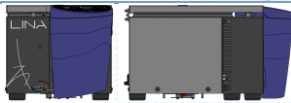
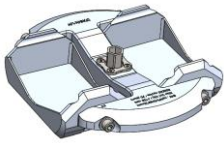
Capacity	-	3	1
Max Height (mm)	-	40	
Tubes per adapter / rotor	-	3 6	

Accessories



Hole Ø X L (mm)	-	-
Radius	-	90
Max charge (gr)	2x920	450
Ref.	AFI-LINA-RHDW	AFI-LINA-BHDW

DATA SHEET

Spécifications - Specifications				
Modèle - Model	Ventilé - Ventilated		Réfrigéré -Refrigerating	
Centrifugeuse de paillasse Benchtop centrifuge				
Référence - Reference	AFI-CI030 V-E	AFI-CI030 V	AFI-CI030 R-E	AFI-CI030 R
References IVD / IVD References	AFI-CI030V-E/ IVD	AFI-CI030V/IVD	AFI-CI030R-E/IVD	AFI-CI030R/IVD
Caractéristiques électriques - Electrical specifications				
Tension nominale - Nominal voltage (+/- 10%)	230 V	120 V	230 V	120 V
Fréquence - Frequency	50 / 60 Hz	60 Hz	50 Hz	60 Hz
Puissance alimentation max. - Power max.	200 W		700 W (500 W compressor)	
Conformité aux directives Européennes - Compliance with European directives				
98/79/CE : Dispositifs médicaux de diagnostic in vitro In vitro diagnostic medical devices *For IVD References	✓*		✓*	
2014/35/UE : Directive Basse Tension – Low Voltage Directive	✓		✓	
2014/30/UE : Directive CEM - EMC directive	✓		✓	
2012/19/CE : Directive DEEE - WEEE directive	✓		✓	
2011/65/CE : Directive ROHS - ROHS Directive	✓		✓	
IEC / EN61010-1 (2010) : Sécurité - Safety	✓		✓	
IEC / EN61010-2-020 (2006) : Sécurité - Safety	✓		✓	
IEC / EN61010-2-101 (2015) : Sécurité - IVD	✓		✓	
EN61326-1(2013) : Compatib. électromagn. - EMC compatibility	✓		✓	
EN55011 2009/A1 (2010) Classe A : Perturbations / Emissions	✓		✓	
EN ISO 14971 (2012) : Gestion des risques - Risk management	✓		✓	
ISO 9001 (2015) : Gestion des risques - Risk management	✓		✓	
ISO 13485 (2016) : Gestion des risques - Risk management	✓		✓	
Caractéristiques principales (voir brochure) - Main specifications (see brochure for full specification)				
 Rotors Microplaques Microplate rotors	Capacité max. Max. capacity	Rotor AFI-LINA-RHDW	2x3 microplaques ; 2x1 Deepwell 2x3 microplates ; 2x1 Deepwell	
	RPM max.		4700 rpm	4700 rpm
	ACR max Max. RCF		2222 g	2222 g
 Rotors Angulaires Fixed angle rotors	Capacité max. Max. capacity	Rotor AFI-LINA6-50	6 x 50 ml	
	RPM max.	Rotor AFI-LINA12-2	23 000 rpm	23 000 rpm
	ACR max Max. RCF		39 625 g	39 625 g
Couvercle - Lid	✓			
Dimensions & poids - Dimensions & Weight				
Dimensions (HxLxL) - Foot print Dimensions (HxWxD)	28 x 31 x 49 cm		32 x 36 x 74 cm	
Profondeur table – Table deep	40 cm		65 cm	
Dimensions emballage (HxLxL) - Package dimension (HxWxD)	42 x 41 x 74 cm		42 x 46 x 87 cm	
Hauteur couvercle ouvert - Opened lid height	65 cm		67 cm	
Poids net - Weight unpacked	TBC Kg		TBC Kg	
Poids emballé - Weight packed	TBC kg		TBC kg	

Description de la centrifugeuse / Centrifuge description				
Référence - Reference	AFI-CI030 V-E	AFI-CI030 V	AFI-CI030 R-E	AFI-CI030 R
Ecran EBT 4.3" 4.3" EBT screen	Noir et Blanc type Black and white EBT type			
Commandes Commands	Touches tactiles Tactile buttons			
<u>Option ANTI COVID</u> <u>FREE COVID Option</u>		Ouverture/ Démarrage et Arrêt du cycle par gestuelle sans toucher à la centrifugeuse Opening/starting and stopping the cycle by gesture without touching the centrifuge		
<u>Connectivité</u> <u>Connectivity</u>		Connectivité avec l'application "MY AFI" Pilote des programmes, gestion des préférences, accès aux manuels en un simple clic Connectivity with the "MY AFI" application Program control, preference management, manual access with a single click		
Contrôle par microprocesseur Microprocessor control		✓		
Reconnaissance automatique du rotor Automatic rotor recognition		✓		
Détection de balourd Imbalance detection		Calibration ajustable (15g swing out et 3g rotors angulaires).Neutralisation automatique des vibrations liées à l'environnement. Tunable calibration (15g for swing out & 3g for angular rotors). Automatic neutralization of vibrations due to environment		
Mode économie d'énergie Energy saving mode		Mode "Postcool" désactivable Desactivable "Postcool" mode		
Fermeture du couvercle Lid closing		Fermeture manuelle & ouverture motorisée Manual closing & motorized opening		
Durées de cycle Cycle duration		10 s à 99h:59min:59s & Impulsion 10 s to 99h:59min:59 s & Pulse		
Unités de température Temperature units		°C / °F		
Chambre de centrifugation Centrifugation chamber		Inox		
Densité max. Max. density		1.2 g / cm ³		
Moteur à induction sans charbon Brushless induction motor		✓		
Vitesse mini / Maxi Mini / Max Speed		300 / 23000 rpm	300 / 23000 rpm	
Pas de réglage de la vitesse Speed setting step		10 rpm		
Précision de vitesse Speed accuracy		± 0.5%		
Nombre de programmes Programs number		99	99+2	
Fonction Pulse Pulse (short run)		✓		
Pentes d'accélération & de freinage Acceleration & Braking slopes		10 & 10		
Décélération libre Brakeless mode		✓		
Système de réfrigération Cooling system		Ventilation Ventilation device	Sans CFC Without CFC	
Plage de réglage en température Range of setting temperature		N/A	-20°C → +40°C	
Fonction de pré-refroidissement Precool function		N/A	✓ Precool program of 6 minutes	
Précision en temperature Temperature accuracy		N/A	+/- 2°C	
Dissipation de chaleur maximale Heat dissipation		680 BTU/h	2390 BTU/h	
Niveau sonore max. Max. noise		≤ 60 dB(A)	≤ 55 dB(A)	



M A D E I N F R A N C E

AFI Groups

3 Rue Nicolas Copernic - 53200 Château Gontier - France

Tel. +33 2 43 06 15 19

<http://www.afigroups.com>

e-mail: contact@afigroups.com

*Scan me to discover
AFI catalogs*



* If necessary or useful without affecting the essential characteristics of a model, the technical and stylistic characteristics may be modified without prior notice from the manufacturer.