



The following Technical Data refer to standard machine and are to be considered indicative. Refer to the machine layout approved by the customer and to the Factory Test Report for accurate and specific information on the Technical Data of the machine purchased.

TECNIPLAST S.p.A. reserves the right to modify the specification to improve the product at any time.

I		DIMENSIONS AND WEIGHT			
		9B10CX <sup>1</sup> 24X <sup>2</sup> X <sup>3</sup> X <sup>4</sup>	9B10CX <sup>1</sup> 25X <sup>2</sup> X <sup>3</sup> X <sup>4</sup>	9B10CX <sup>1</sup> 44X <sup>2</sup> X <sup>3</sup> X <sup>4</sup>	9B10CX <sup>1</sup> 84X <sup>2</sup> X <sup>3</sup> X <sup>4</sup>
EXTERNAL DIMENSIONS	Width	1000 mm			
	Depth (doors closed)	840 mm			
	Depth (doors open)	1300 mm			
	Height	1950 mm			
INTERNAL DIMENSIONS	Width	920 mm			
	Depth	680 mm			
WEIGHT		250 kg			
NUMBER OF DOORS		2	2	4	8
NUMBER OF COMPARTMENTS		4	5	4	4
COMPARTMENT HEIGHT		315 mm	246 mm	315 mm	315 mm
NUMBER OF SHELVES		3	4	3	3
SHELF WEIGHT	WITH LIGHT PANEL	18 kg			
	WITHOUT LIGHT PANEL	4 kg			
MAX PAYLOAD OF EACH SHELF		20 kg evenly distributed			
MAX. NUMBER OF CAGES (with tops) that can be housed inside the cabinet <sup>5</sup>	1354G - 2000P	8	-	8	8
	1144B	20	25	20	20
	1264C	16	20	16	16
	1284L	16	20	16	16
	1290D	12	-	12	12
	2150E	12	-	12	12
	1291H-2154F	12	-	12	12

1: Code customization according to country code, voltage etc. (see price list for reference on codes)

2: Doors type. T=Transparent, R=Red, O=Opaque

3: Variable day/night cycle. Y=Yes, N=No

4: Air heating system. Y=Yes, N=No

5: The MAXIMUM NUMBER OF CAGES has been calculated considering a **single row of cages** for each shelf.



<b>II POWER SUPPLY AND UTILITIES</b>			
<b>VOLTAGE</b>		<b>ALL MODELS</b>	
<b>230V - 50Hz</b>	WITHOUT LIGHT/ HEATING SYSTEM	Power cons.	300VA
		Peak current	1,25A
	WITH HEATING SYSTEM ONLY	Power cons.	490VA
		Peak current	2,1A
	WITH LIGHTS ONLY	Power cons.	300VA
		Peak current	1,3A
	WITH LIGHTS AND HEATING SYSTEM	Power cons.	500VA
		Peak current	2,2A
<b>POWER SUPPLY CABLE LENGTH</b>		2,2 m	
<b>SOUND PRESSURE LEVEL (measured 1 m from cabinet opening)</b>		≤50dB(A)	

<b>III AERAILIC PERFORMANCES</b>	
<b>ALL MODELS</b>	
Maximum pressure	± 20 Pa
ACH setting range	50-90 ACH

<b>IV MACHINERY TECHNICAL DETAILS</b>				
		<b>9BIOCXXTX</b>	<b>9BIOCXXRX</b>	<b>9BIOCXXOX</b>
<b>EXTERNAL FINISHING</b>		Epoxy painted finishing + ABS		
<b>SHELF AND CABINET INTERNAL STRUCTURE FINISHING</b>		AISI 304 Stainless Steel		
<b>SHELF LIGHT PANEL MATERIAL</b>		Polycarbonate		
<b>DOOR STRUCTURE MATERIAL</b>		Anodized aluminium		
<b>DOOR PANEL MATERIAL</b>		Safety glass		
<b>DOOR PANEL COLOUR</b>		Transparent	Red <sup>6</sup>	Opaque <sup>6</sup>
<b>BLOWER MOTOR</b>				
<b>QUANTITY</b>		2		
<b>TYPE</b>		RADIAL BLOWER		
<b>LIGHTING SYSTEM (OPTIONAL)</b>	<b>TYPE</b>	LED		
<b>AIR HEATING SYSTEM (OPTIONAL)</b>	<b>TYPE</b>	Silicone flexible heating elements		
<b>TEMPERATURE INSIDE THE CABINET</b>		The chamber temperature may be set max +6°C above room temperature (according to 1999/575/EC; Appendix A - ETS NO. 123).		

6: Red and opaque doors supplied with day/night cycle only.



<b>V FILTERING SYSTEM</b>		
SUPPLY PRE-FILTER	QUANTITY	2
	TYPE	G4
	DIMENSIONS	305 mm x 305 mm x 23 mm
SUPPLY HEPA FILTER (OPTIONAL)	QUANTITY	1
	TYPE	H14
	DIMENSIONS	305 mm x 305 mm x 68 mm
EXHAUST PRE-FILTER	QUANTITY	2
	TYPE	G4
	DIMENSIONS	305 mm x 305 mm x 23 mm
EXHAUST HEPA FILTER (OPTIONAL)	QUANTITY	1
	TYPE	H14
	DIMENSIONS	305 mm x 305 mm x 68 mm
CHARCOAL FILTER (OPTIONAL)	QUANTITY	2
	DIMENSIONS	305 mm x 305 mm x 48 mm

<b>VI MAIN COMPONENTS AND OPTIONAL EQUIPMENT</b>	
Pivoting castors with brakes and nylon fibre glass reinforced wheels	■
Touchscreen (7" display)	■
Lighting system	□
Air heating system	□
Alarm connection for integration with BMS	■
n. 2 G4 prefilters	■
Hepa filter	■
Activated charcoal filter	●
Thimble	■

STANDARD FEATURE    
  OPTIONAL    
  ACCESSORY



**VII COMPLIANCE TO STANDARDS AND DIRECTIVES**

MACHINERY DIRECTIVE 2006/42EC  
 DIRECTIVE 2010/63/EU ON THE PROTECTION OF ANIMALS USED FOR SCIENTIFIC PURPOSES  
 LOW VOLTAGE DIRECTIVE 2014/35/EC  
 ELECTROMAGNETIC COMPATIBILITY EQUIPMENT DIRECTIVE 2014/30/EC  
 EN 12100-1 - SAFETY OF MACHINERY: BASIC CONCEPTS, GENERAL PRINCIPLES FOR DESIGN, PART 1: BASIC TERMINOLOGY, METHODOLOGY  
 EN 12100-2 - SAFETY OF MACHINERY: BASIC CONCEPTS, GENERAL PRINCIPLES FOR DESIGN, PART 2: TECHNICAL PRINCIPLES  
 EN 3744 - ACOUSTICS: DETERMINATION OF SOUND POWER LEVELS OF NOISE SOURCES USING SOUND PRESSURE, ENGINEERING METHOD IN AN ESSENTIALLY FREE FIELD OVER A REFLECTING PLANE  
 EN 1822-1 - HIGH EFFICIENCY AIR FILTERS (HEPA AND ULPA) PART 1: CLASSIFICATION, PERFORMANCE TESTING, MARKING  
 EN 13091 - BIOTECHNOLOGY: PERFORMANCE CRITERIA FOR FILTER ELEMENTS AND FILTRATION ASSEMBLIES  
 EN 14644-3 - CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS PART 3: TEST METHODS  
 EN 61010-1 - SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABORATORY USE PART 1: GENERAL REQUIREMENTS  
 EN 61326-1 - ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL AND LABORATORY USE EMC REQUIREMENTS  
 IES-RP-CC006.2 - TESTING CLEAN ROOMS. INSTITUTE OF ENVIRONMENTAL SCIENCES, MOUNT PROSPECT, ILLINOIS 60056, 1993.

**VIII INSTALLATION SITE MINIMUM REQUIREMENTS**

Minimum distance from ceiling	500 mm
Requirements for connection of alarm dry contact to BMS system	<p>The alarm dry contact is to be used with a voltage level that does not exceed 24V          Read the alarm socket pin connections as follows:</p> <ol style="list-style-type: none"> <li>1. COMMON.</li> <li>2. In the event of alarm or electrical fault it is open</li> <li>3. In the event of electrical fault it is open</li> </ol>

**PACKAGING TECHNICAL SPECS**

MACHINE DESCRIPTION	VENTILATED CABINET
TYPE	WOODEN CRATE
QUANTITY	1
WIDTH	1170 mm
DEPTH	1030 mm
HEIGHT	2170 mm
WEIGHT	95 kg