

liyolife
freeze dryer





vino bellezza

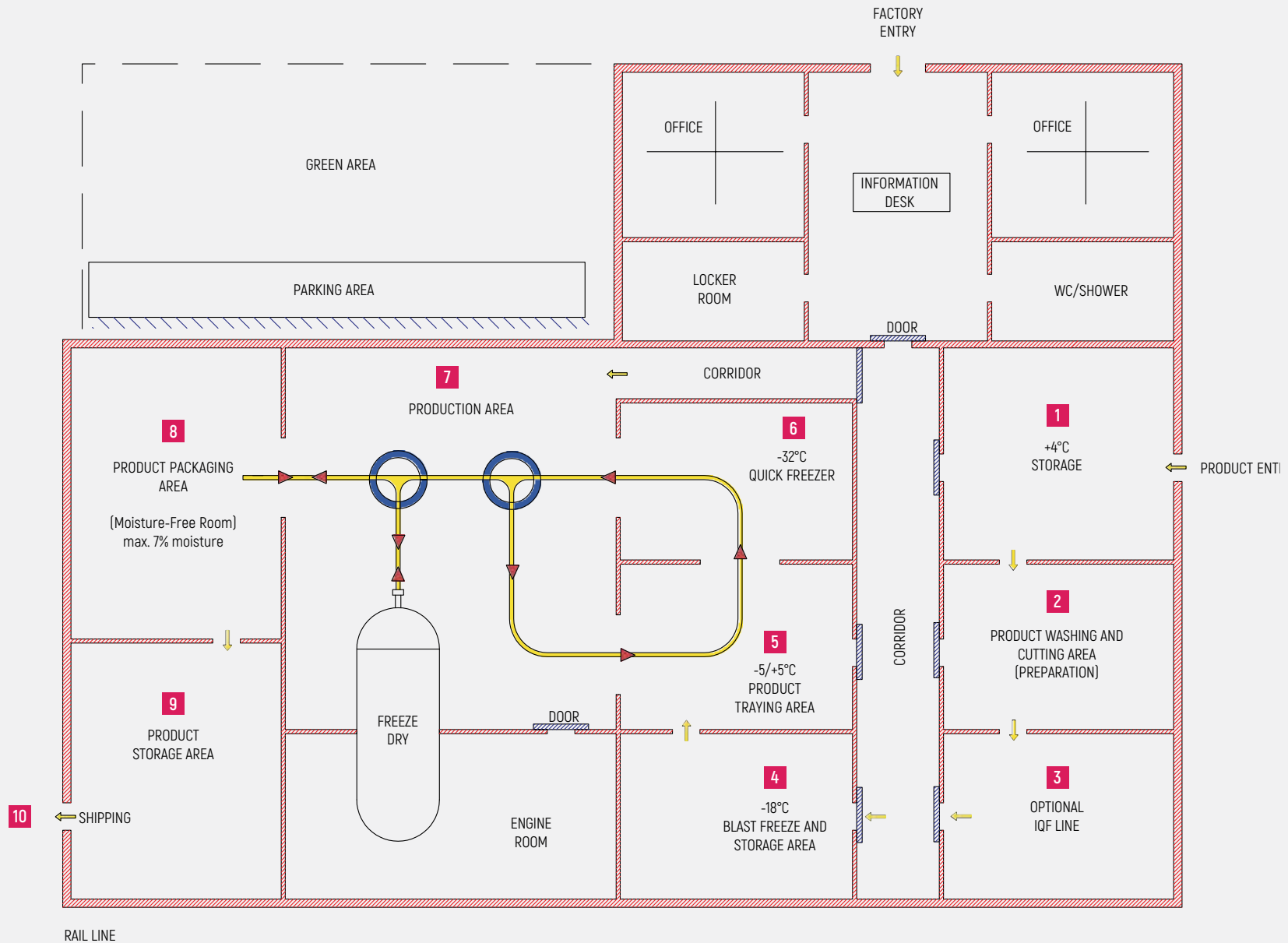


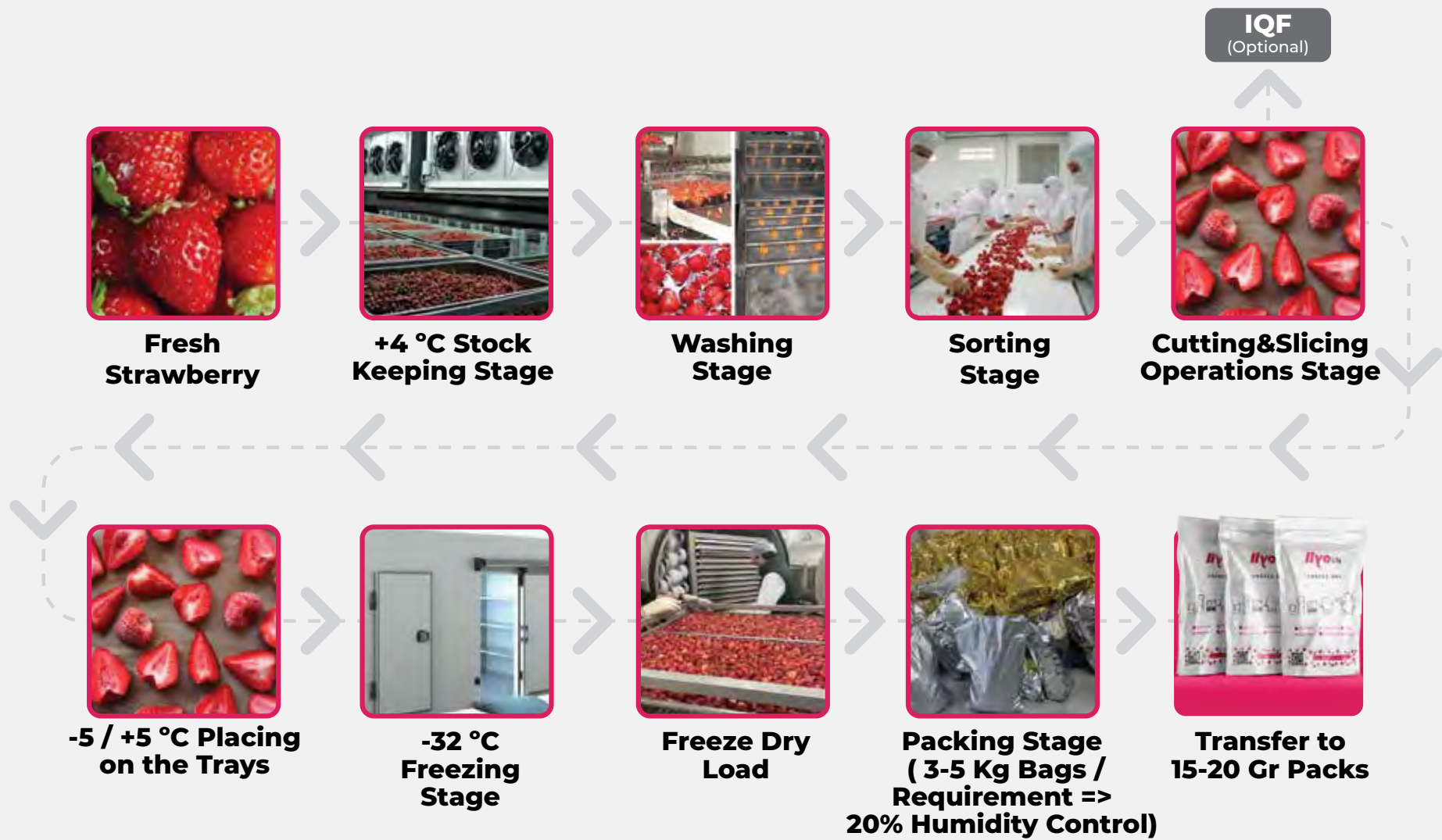
Öztaş Global Soğutma Teknolojileri ve Metal Sanayi Ticaret Anonim Şirketi continues its activities in an area of 35,000 m², a total of 25,000 m² of which is closed area. It produces various manufacturing and semi-finished products such as construction and spare parts for the white goods industry, automotive sub-industry, steel construction, agricultural machinery industry.

In line with its objective to become a company which produces products under its own brand, as well as its identity of being a supplier company working with main suppliers, it started to produce cooler cabinets such as commercial type cooler and vaccine and blood storage for medical use, plasma storage, ultra-low temperature medical type freezer and outdoor/cold chain storage vaccine and blood storage cabinets etc. as of the beginning of 2017.



Representative Production Diagram







- Safety use with specifif electronic card system.
- Hide data till 3 hour when power outage.
- All data can be followed instantly with graphics.
- Easy to access breakdown records.
- All kind of products with the abiliaty to create a receipe can be dried pectfectly.

- Safety use with specifif electronic card system.
- Easy access to all menus with the touch display.
- Keep all your data safe with flash drive.
- You can create and save 5 different receipe for each product.



FREEZE DRYER

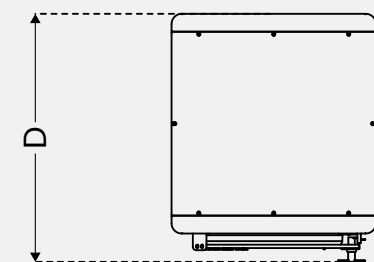
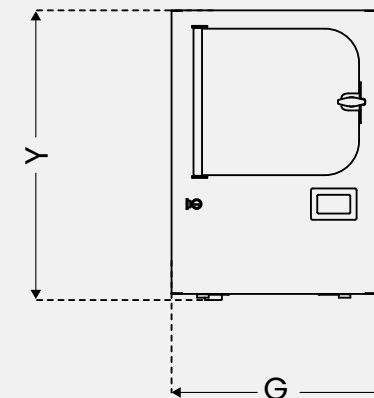
We make our high capacity machines more practical with rail systems and provide ease of use. Thus, by minimizing the time consumed, the product is prevented from being deformed.







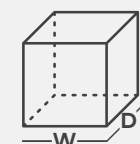
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FD5CT
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FD5CT



	Ice Capacity (kg/lot) 5
	Wet Product Loading (kg/lot) 3,5/4
	Power Consumption (kWh) 0,9
	Total Tray Area (m²) 0,5



Machine Dimensions
W. 631 - D . 728 - H. 850 mm
Open Door Size
0,38 m

Capacity	Ice Capacity (kg/lot)	5 kg
	Wet Product Loading (kg/lot)	3,5 / 4
Tray Dimensions	Total Tray Area (m²)	0,5
	Tray Dimensions (mm)	227*512
	Number of Product Trays (pcs)	5
	Tray Depth (mm)	20
Electric	Power Consumption (kWh)	0,9
	Voltage (V)	220
Dimensions	Defrost System	Automatic
	Machine Dimensions (w*d*h) (mm) (**)	631*728*850
	Machine Settlement Area (m²) (**)	0,5
	Machine Platform Area (m²) (*)	-
	Number of Racks	5
	Rack Dimensions (mm)	235*540
	Rack Clearance (mm)	44
	Circle Size (m)	0,38
	Final Vacuum Level (Pa)	30 ≤
	Vacuum Pump	Baosi
Cooling	Compressor	Embraco
	Refrigerant	R410A
	Cooling Method	Gas
Software	Software	Unique electronic card
	Remote Tracking System	None
Material	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	AISI 304

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 70
	Heat Conduction	Convection
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	Within itself or in -40 chamber
	Liquid Used in Heating Racks	Electrical Heater
	Number of Product Loading Cars	None
	Rail System	No

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.

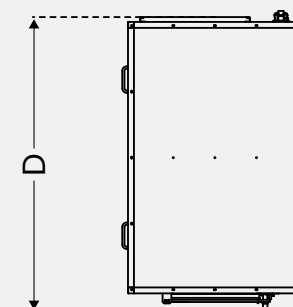
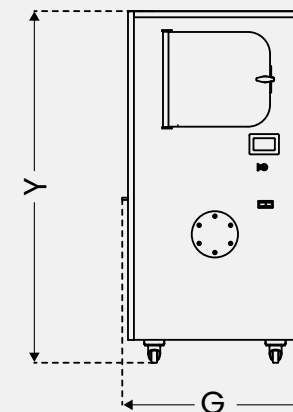
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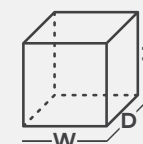




FD10CT
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 FD10CT



	Ice Capacity (kg/lot) 10
	Wet Product Loading (kg/lot) 7/8
	Power Consumption (kWh) 1
	Total Tray Area (m²) 1,1



Machine Dimensions
 W. 854 - D. 1335 - H. 1596 mm
Open Door Size
 0,38 m

Capacity	Ice Capacity (kg/lot)	10 kg
	Wet Product Loading (kg/lot)	7 / 8
Tray Dimensions	Total Tray Area (m²)	1,1
	Tray Dimensions (mm)	220*550
	Number of Product Trays (pcs)	10
	Tray Depth (mm)	20
Electric	Power Consumption (kWh)	1
	Voltage (V)	220 or 380
Defrost System	Automatic	
Dimensions	Machine Dimensions (w*d*h) (mm) (**)	854*1335*1596
	Machine Settlement Area (m²) (**)	1
	Machine Platform Area (m²) (*)	-
	Number of Racks	5
	Rack Dimensions (mm)	235*1125
	Rack Clearance (mm)	44
	Circle Size (m)	0,38
Vacuum	Final Vacuum Level (Pa)	30 ≤
	Vacuum Pump	Baosi
Cooling	Compressor	Embraco
	Refrigerant	R410A
	Cooling Method	Gas
Software	Software	Unique electronic card
	Remote Tracking System	Yok
Material	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	Aluminum

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 70
	Heat Conduction	Convection
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	Within itself or in -40 chamber
	Liquid Used in Heating Racks	Electrical Heater
	Number of Product Loading Cars	None
	Rail System	No

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.

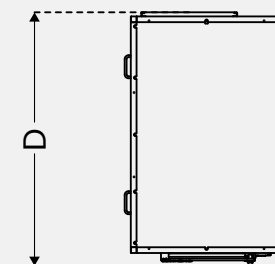
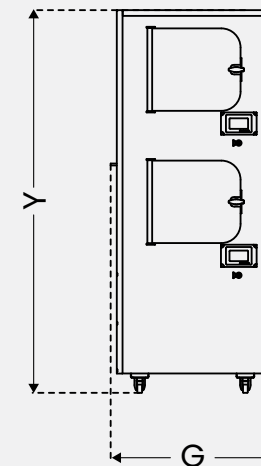
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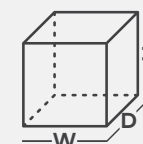




FD20CT
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	Ice Capacity (kg/lot) 20
	Wet Product Loading (kg/lot) 14/16
	Power Consumption (kWh) 2
	Total Tray Area (m²) 2,1



Machine Dimensions
 W. 854 - D. 1335 - H. 1996 mm
Open Door Size
 0,38 m

Capacity	Ice Capacity (kg/lot)	20 kg
	Wet Product Loading (kg/lot)	14 / 16
Tray Dimensions	Total Tray Area (m²)	2,1
	Tray Dimensions (mm)	220*550
	Number of Product Trays (pcs)	20
	Tray Depth (mm)	20
Electric	Power Consumption (kWh)	2
	Voltage (V)	220 or 380
Dimensions	Defrost System	Automatic
	Machine Dimensions (w*d*h) (mm) (**)	854*1335*1996
	Machine Settlement Area (m²) (**)	1
	Machine Platform Area (m²) (*)	-
	Number of Racks	10
	Rack Dimensions (mm)	235*1125
	Rack Clearance (mm)	44
	Circle Size (m)	0,38
	Final Vacuum Level (Pa)	30 ≤
	Vacuum Pump	Baosi
Cooling	Compressor	Embraco
	Refrigerant	R410A
	Cooling Method	Gas
Software	Software	Unique electronic card
	Remote Tracking System	None
Material	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	AISI 304

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 70
	Heat Conduction	Convection
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	Within itself or in -40 chamber
	Liquid Used in Heating Racks	Electrical Heater
	Number of Product Loading Cars	None
	Rail System	No

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.

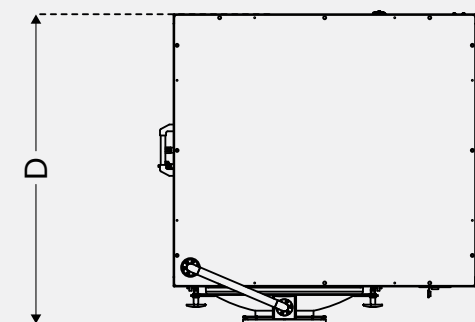
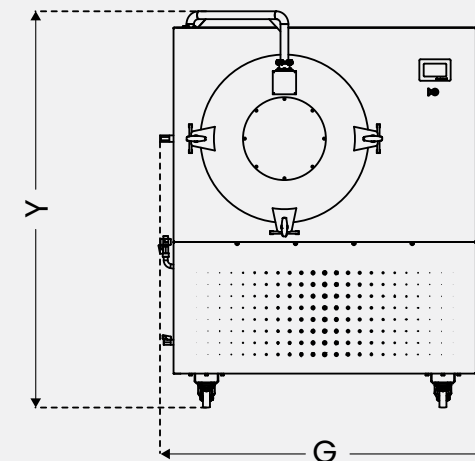
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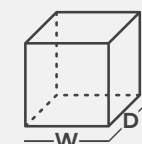




FD35
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	Ice Capacity (kg/lot) 35
	Wet Product Loading (kg/lot) 20/25
	Power Consumption (kWh) 4
	Total Tray Area (m²) 3,7



Machine Dimensions
W. 1410 - D . 1228 - H. 1654 mm
Open Door Size
0,65 m

Capacity	Ice Capacity (kg/lot)	35 kg
	Wet Product Loading (kg/lot)	20 / 25
Tray Dimensions	Total Tray Area (m²)	3,7
	Tray Dimensions (mm)	355*936
	Number of Product Trays (pcs)	11
	Tray Depth (mm)	20
Electric	Power Consumption (kWh)	4
	Voltage (V)	380
Defrost System	Automatic	
Dimensions	Machine Dimensions (w*d*h) (mm) (**)	1410*1288*1654
	Machine Settlement Area (m²) (**)	1,8
	Machine Platform Area (m²) (*)	-
	Number of Racks	11
	Rack Dimensions (mm)	378*950
	Rack Clearance (mm)	38
	Circle Size (m)	0,65
Vacuum	Final Vacuum Level (Pa)	30 ≤
	Vacuum Pump	Baosi
Cooling	Compressor	Embraco
	Refrigerant	R404A
Software	Cooling Method	Gas
	Software	Unique electronic card
Material	Remonte Tracking System	None
	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	AISI 304

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 70
	Heat Conduction	Convection
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	Within itself or in -40 chamber
	Liquid Used in Heating Racks	Electrical Heater
	Number of Product Loading Cars	None
	Rail System	No

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.

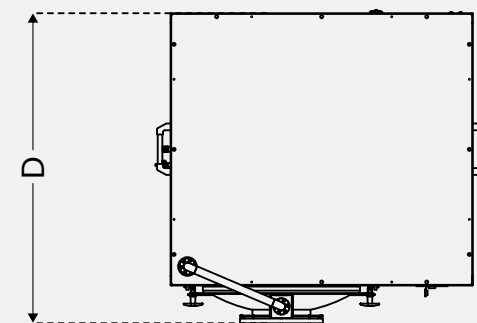
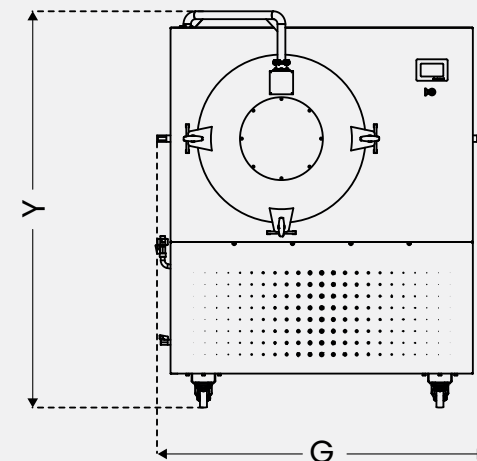
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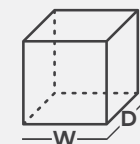




FD80
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	Ice Capacity (kg/lot) 80
	Wet Product Loading (kg/lot) 52/62
	Power Consumption (kWh) 7
	Total Tray Area (m²) 7,5



Machine Dimensions
W. 2160 - D. 1228 - H. 2404 mm
Open Door Size
1,2 m

Capacity	Ice Capacity (kg/lot)	80 kg
	Wet Product Loading (kg/lot)	52 / 62
Tray Dimensions	Total Tray Area (m²)	7,5
	Tray Dimensions (mm)	355*936
	Number of Product Trays (pcs)	22
	Tray Depth (mm)	20
Electric	Power Consumption (kWh)	7
	Voltage (V)	380
Dimensions	Defrost System	Automatic
	Machine Dimensions (w*d*h) (mm) (**)	2160*1288*2404
	Machine Settlement Area (m²) (**)	2,8
	Machine Platform Area (m²) (*)	-
	Number of Racks	22
	Rack Dimensions (mm)	756*950
	Rack Clearance (mm)	38
	Circle Size (m)	1,2
	Final Vacuum Level (Pa)	30 ≤
	Vacuum Pump	Baosi
Cooling	Compressor	Embraco
	Refrigerant	R404A
	Cooling Method	Gas
Software	Software	Unique electronic card
	Remote Tracking System	None
Material	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	AISI 304

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 70
	Heat Conduction	Convection
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	Within itself or in -40 chamber
	Liquid Used in Heating Racks	Electrical Heater
	Number of Product Loading Cars	None
	Rail System	No

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.

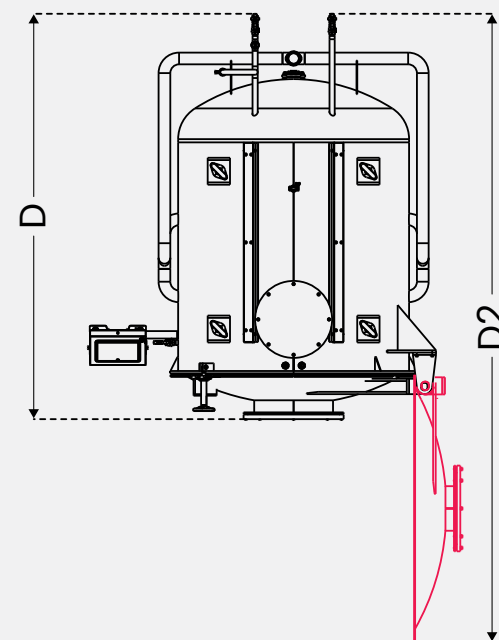
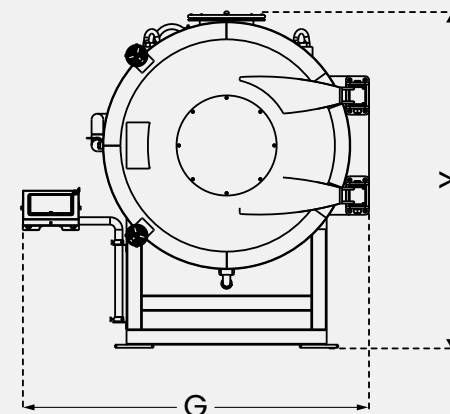
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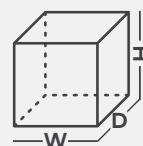




FD180
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	Ice Capacity (kg/lot) 180
	Wet Product Loading (kg/lot) 110/150
	Power Consumption (kWh) 14
	Total Tray Area (m²) 16



Machine Dimensions
W. 2050 - D. 2200 - H. 2162 mm
Open Door Size (D2)
1,5 m

Capacity	Ice Capacity (kg/lot)	180 kg
	Wet Product Loading (kg/lot)	110/150
Tray Dimensions	Total Tray Area (m²)	16
	Tray Dimensions (mm)	420*730
	Number of Product Trays (pcs)	51
	Tray Depth (mm)	26
Electric	Power Consumption (kWh)	14
	Voltage (V)	380
Dimensions	Defrost System	Hot Water (Manuel)
	Machine Dimensions (w*d*h) (mm) (**)	2050*2200*2162
	Machine Settlement Area (m²) (**)	4,5
	Machine Platform Area ((m²) (*)	9
	Number of Racks	17
	Rack Dimensions (mm)	754*1300
	Rack Clearance (mm)	40
	Circle Size (m)	1,5
	Final Vacuum Level (Pa)	13 ≤
	Vacuum Pump	Pfeiffer or Edwards
Cooling	Compressor	Bitzer or Dorin
	Refrigerant	R404A
	Cooling Method	Gas
Software	Software	PLC
	Remonte Tracking System	Option
Material	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	Aluminum

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 70
	Heat Conduction	Convection
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	-40 Cooling Room
	Liquid Used in Heating Racks	Glycol + Pure Water
	Number of Product Loading Cars	4
	Rail System	No

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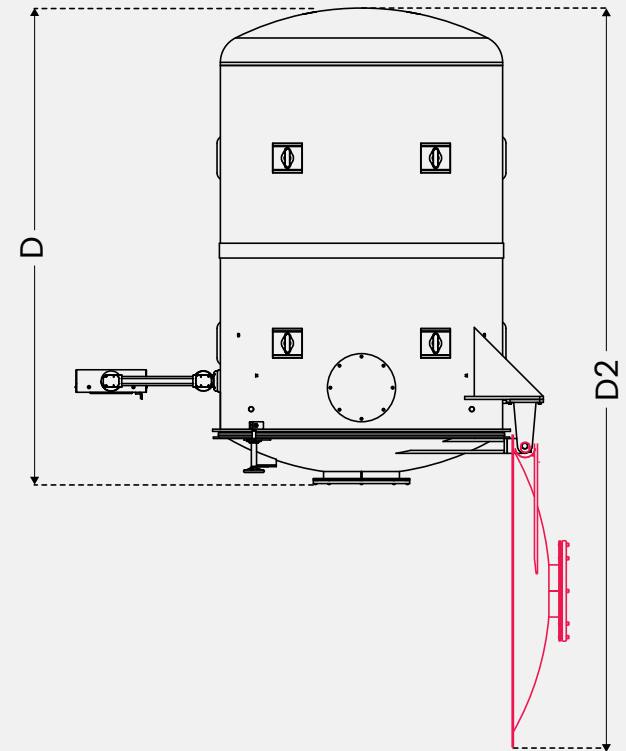
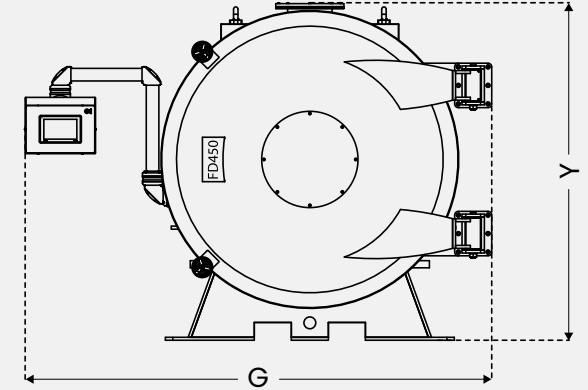
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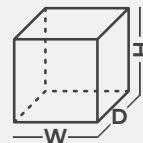





FD450
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FD450



	Ice Capacity (kg/lot) 450
	Wet Product Loading (kg/lot) 325/450
	Power Consumption (kWh) 41
	Total Tray Area (m²) 50



Machine Dimensions
W. 3149 - D. 3215 - H. 2278 mm
Open Door Size (D2)
2 m

Capacity	Ice Capacity (kg/lot)	450 kg
	Wet Product Loading (kg/lot)	325 / 450
Tray Dimensions	Total Tray Area (m²)	50
	Tray Dimensions (mm)	725*610
	Number of Product Trays (pcs)	102
	Tray Depth (mm)	26
Electric	Power Consumption (kWh)	41
	Voltage (V)	380
 Dimensions	Defrost System	Hot Water (Automatic)
	Machine Dimensions (w*d*h) (mm) (**)	3149*3215*2278
	Machine Settlement Area (m²) (**)	10
	Machine Platform Area (m²) (*)	20
	Number of Racks	19
	Rack Dimensions (mm)	1270*2140
	Rack Clearance (mm)	37
	Circle Size (m)	2
	Final Vacuum Level (Pa)	13 ≤
	Vacuum Pump	Pfeiffer or Edwards
Cooling	Compressor	Bitzer or Dorin
	Refrigerant	R404A
	Cooling Method	Gas
Software	Software	PLC
	Remote Tracking System	Option
Material	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	Aluminum

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 70
	Heat Conduction	Convection
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	-40 Cooling Room
	Liquid Used in Heating Racks	Glycol + Pure Water
	Number of Product Loading Cars	4
	Rail System	No

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.





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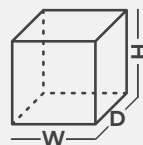


FD450
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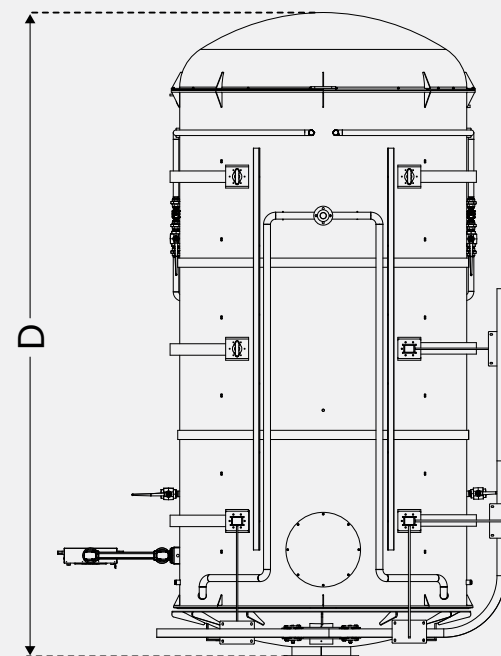
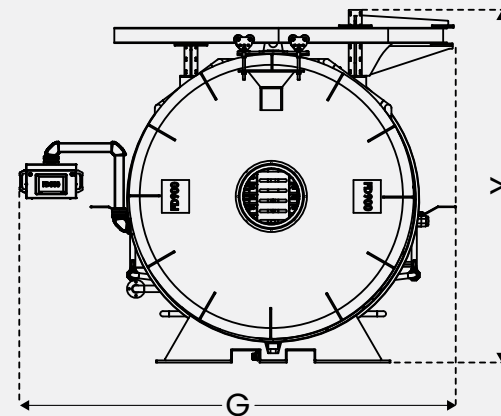



FD900
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FD900

	Ice Capacity (kg/lot) 900
	Wet Product Loading (kg/lot) 500/875
	Power Consumption (kWh) 80
	Total Tray Area (m²) 70



Machine Dimensions
W. 3749 - D. 5557 - H. 2856 mm
Open Door Size (D2)
2,5 m



Capacity	Ice Capacity (kg/lot)	900 kg
	Wet Product Loading (kg/lot)	500 / 875
Tray Dimensions	Total Tray Area (m²)	70
	Tray Dimensions (mm)	600 * 750
	Number of Product Trays (pcs)	150
	Tray Depth (mm)	40
Electric	Power Consumption (kWh)	80
	Voltage (V)	380
 Dimensions	Defrost System	Hot Water (Automatic)
	Machine Dimensions (w*d*h) (mm) (**)	3749*5557*2856
	Machine Settlement Area (m²) (**)	20
	Machine Platform Area ((m²) (*)	40
	Number of Racks	32
	Rack Dimensions (mm)	650*4000
	Rack Clearance (mm)	75
	Circle Size (m)	2,5
	Final Vacuum Level (Pa)	13 ≤
	Vacuum Pump	Pfeiffer or Edwards
Cooling	Compressor	Bitzer or Dorin
	Refrigerant	R404A
Software	Cooling Method	Gas
	Software	PLC
Material	Remonte Tracking System	Optional
	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	Aluminum

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 120
	Heat Conduction	Radiation
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	-40 Cooling Room
	Liquid Used in Heating Racks	Heat Transfer Oil
	Number of Product Loading Cars	5
	Rail System	Yes

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.





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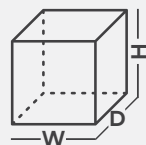
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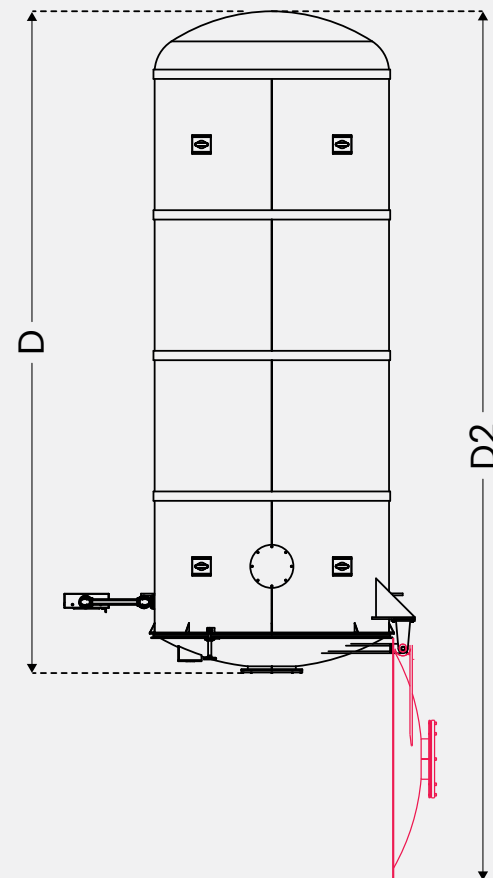
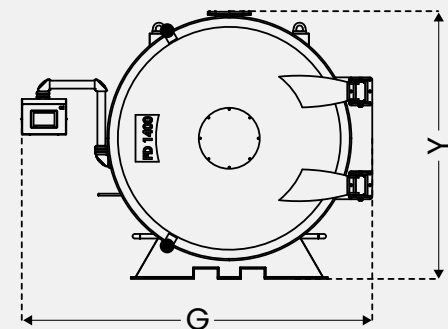


FD1400
FD1400
 FD1400

	Ice Capacity (kg/lot) 1400
	Wet Product Loading (kg/lot) 750/1325
	Power Consumption (kWh) 121
	Total Tray Area (m²) 105



Machine Dimensions
 W. 3749 - D. 7057 - H. 2856 mm
Open Door Size (D2)
 2,5 m

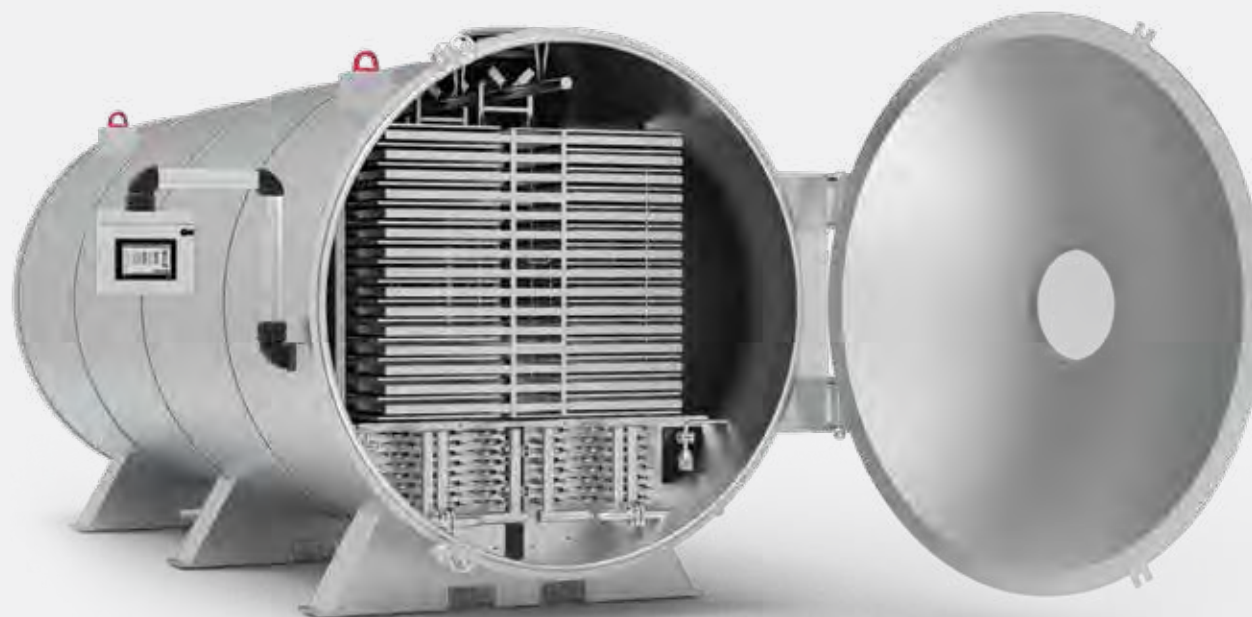


Capacity	Ice Capacity (kg/lot)	1400 kg
	Wet Product Loading (kg/lot)	750 / 1325
Tray Dimensions	Total Tray Area (m²)	105
	Tray Dimensions (mm)	600 * 750
	Number of Product Trays (pcs)	225
	Tray Depth (mm)	40
Electric	Power Consumption (kWh)	121
	Voltage (V)	380
Dimensions	Defrost System	Hot Water (Automatic)
	Machine Dimensions (w*d*h) (mm) (**)	3749*7057*2856
	Machine Settlement Area (m²) (**)	26
	Machine Platform Area (m²) (*)	52
	Number of Racks	32
	Rack Dimensions (mm)	650*5400
	Rack Clearance (mm)	75
	Circle Size (m)	2,5
	Final Vacuum Level (Pa)	13 ≤
	Vacuum Pump	Pfeiffer or Edwards
Cooling	Compressor	Bitzer or Dorin
	Refrigerant	R404A
Software	Cooling Method	Gas
	Software	PLC
Material	Remonte Tracking System	Optional
	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	Aluminum

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 120
	Heat Conduction	Radiation
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	-40 Cooling Room
	Liquid Used in Heating Racks	Heat Transfer Oil
	Number of Product Loading Cars	8
	Rail System	Yes

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.





(**) Represents only the seating area of the machine. The cover sweeping area and the spaces between the machine and other devices are not included.

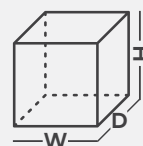


FD1400
FD1400
FD1400

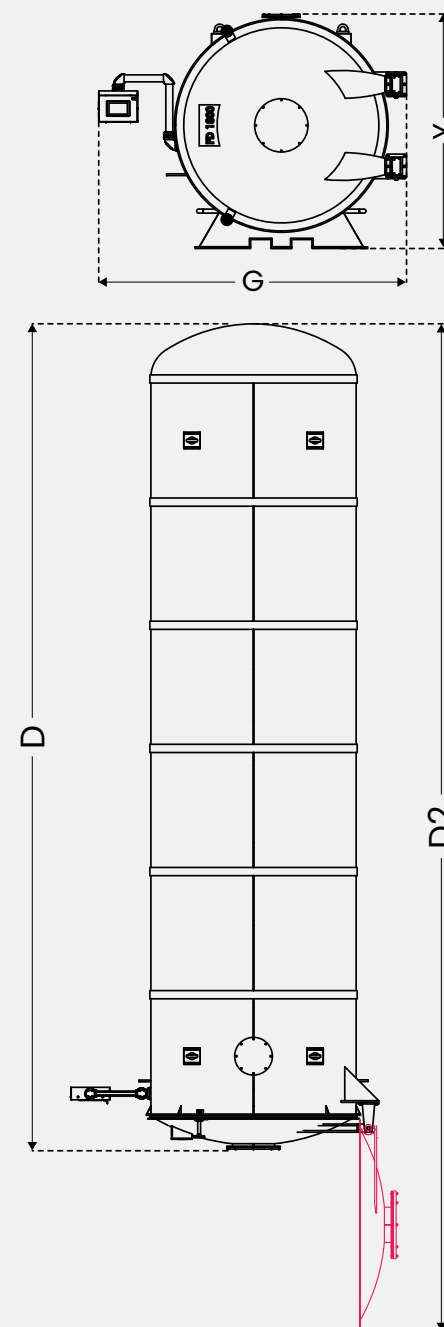


FD1800
FD1800
 FD1800

	Ice Capacity (kg/lot) 1800
	Wet Product Loading (kg/lot) 1000/1750
	Power Consumption (kWh) 160
	Total Tray Area (m²) 140



Machine Dimensions
 W. 3749 - D. 10057 - H. 2856 mm
Open Door Size (D2)
 2,5 m



FD1800

FD1800

FD1800

Capacity	Ice Capacity (kg/lot)	1800 kg
	Wet Product Loading (kg/lot)	1000 / 1750
Tray Dimensions	Total Tray Area (m²)	140
	Tray Dimensions (mm)	600 * 750
	Number of Product Trays (pcs)	300
	Tray Depth (mm)	40
Electric	Power Consumption (kWh)	160
	Voltage (V)	380
Dimensions	Defrost System	Hot Water (Automatic)
	Machine Dimensions (w*d*h) (mm) (**)	3749*10057*2856
	Machine Settlement Area (m²) (**)	37
	Machine Platform Area (m²) (*)	74
	Number of Racks	32
	Rack Dimensions (mm)	650*8000
	Rack Clearance (mm)	75
	Circle Size (m)	2,5
	Final Vacuum Level (Pa)	13 ≤
	Vacuum Pump	Pfeiffer or Edwards
Cooling	Compressor	Bitzer or Dorin
	Refrigerant	R404A
Software	Cooling Method	Gas
	Software	PLC
Material	Remonte Tracking System	Optional
	Chamber	AISI 304
	Tray Material	AISI 304
	Material of Heating Racks	Aluminum

Other	Ice Condenser Temperature (°C)	-45
	Rack Temperature (°C)	max 120
	Heat Conduction	Radiation
	Product Cooling Temperature (°C)	-32
	Product Cooling Place	-40 Cooling Room
	Liquid Used in Heating Racks	Heat Transfer Oil
	Number of Product Loading Cars	10
	Rail System	Yes

(*) As a recommendation, the recommended area may vary depending on the number of machines and layout.

(**) Represents only the seating area of the machine. The cover sweeping area and the spaces between the machine and other devices are not included.



TECHNICAL PROPERTIES



FD5CT



FD10CT



FD20CT



FD35



FD80

Capacity	Ice Capacity (kg/lot)	5 kg	10 kg	20 kg	35 kg	80 kg
	Wet Product Loading (kg/lot)	3,5 / 4	7 / 8	14 / 16	20 / 25	52 / 62
Tray Dimensions	Total Tray Area (m2)	0,5	1,1	2,1	3,7	7,5
	Tray Dimensions (mm)	227*512	220*550	220*550	355*936	355*936
Electric	Number of Product Trays (pcs)	5	10	20	11	22
	Tray Depth (mm)	20	20	20	20	20
Electric	Power Consumption (kWh)	0,9	1	2	4	7
	Voltage (V)	220	220 or 380	220 or 380	380	380
Defrost System	Defrost System	Automatic	Automatic	Automatic	Automatic	Automatic
	Machine Dimensions (w*d*h) (mm) (**)	631*728*850	854*1335*1596	854*1335*1996	1410*1288*1654	2160*1288*2404
Dimensions	Machine Settlement Area (m2) (**)	0,5	1	1	1,8	2,8
	Machine Platform Area (m2) (*)	-	-	-	-	-
Dimensions	Number of Racks	5	5	10	11	22
	Rack Dimensions (mm)	235*540	235*1125	235*1125	378*950	756*950
Vacuum	Rack Clearance (mm)	44	44	44	38	38
	Circle Size (m)	0,38	0,38	0,38	0,65	1,2
Cooling	Final Vacuum Level (Pa)	30 ≤	30 ≤	30 ≤	30 ≤	30 ≤
	Vacuum Pump	Baosi	Baosi	Baosi	Baosi	Baosi
Cooling	Compressor	Embraco	Embraco	Embraco	Embraco	Embraco
	Refrigerant	R410A	R410A	R410A	R404A	R404A
Software	Cooling Method	Gas	Gas	Gas	Gas	Gas
	Software	Unique electronic card	Unique electronic card	Unique electronic card	Unique electronic card	Unique electronic card
Material	Remonte Tracking System	None	Yok	None	None	None
	Chamber	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304
Material	Tray Material	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304
	Material of Heating Racks	AISI 304	Aluminum	AISI 304	AISI 304	AISI 304
Other	Ice Condenser Temperature (°C)	-45	-45	-45	-45	-45
	Rack Temperature (°C)	max 70	max 70	max 70	max 70	max 70
Other	Heat Conduction	Convection	Convection	Convection	Convection	Convection
	Product Cooling Temperature (°C)	-32	-32	-32	-32	-32
Other	Product Cooling Place	Within itself or in -40 chamber	Within itself or in -40 chamber	Within itself or in -40 chamber	Within itself or in -40 chamber	Within itself or in -40 chamber
	Liquid Used in Heating Racks	Electrical Heater	Electrical Heater	Electrical Heater	Electrical Heater	Electrical Heater
Other	Number of Product Loading Cars	None	None	None	None	None
	Rail System	No	No	No	No	No

TECHNICAL PROPERTIES



FD180



FD450



FD900



FD1400



FD1800

	Capacity		Tray Dimensions		Electric		Dimensions		Vacuum		Cooling		Software		Material		Other																																																																																																																																																																																										
	Ice Capacity (kg/lot)	180 kg	450 kg	900 kg	1400 kg	1800 kg	Wet Product Loading (kg/lot)	110/150	325 / 450	500 / 875	750 / 1325	1000 / 1750	Total Tray Area (m2)	16	50	70	105	140	Tray Dimensions (mm)	420*730	725*610	600 * 750	600 * 750	600 * 750	Number of Product Trays (pcs)	51	102	150	225	300	Tray Depth (mm)	26	26	40	40	40	Power Consumption (kWh)	14	41	80	121	160	Voltage (V)	380	380	380	380	380	Defrost System	Hot Water (Manuel)	Hot Water (Automatic)	Hot Water (Automatic)	Hot Water (Automatic)	Hot Water (Automatic)	Machine Dimensions (w*d*h) (mm) (**)	2050*2200*2162	3149*3215*2278	3749*5557*2856	3749*7057*2856	3749*10057*2856	Machine Settlement Area (m2) (**)	4,5	10	20	26	37	Machine Platform Area ((m2) (*)	9	20	40	52	74	Number of Racks	17	19	32	32	32	Rack Dimensions (mm)	754*1300	1270*2140	650*4000	650*5400	650*8000	Rack Clearance (mm)	40	37	75	75	75	Circle Size (m)	1,5	2	2,5	2,5	2,5	Final Vacuum Level (Pa)	13 ≤	13 ≤	13 ≤	13 ≤	13 ≤	Vacuum Pump	Pfeiffer or Edwards	Pfeiffer or Edwards	Pfeiffer orEdwars	Pfeiffer or Edwards	Pfeiffer or Edwards	Compressor	Bitzer or Dorin	Bitzer or Dorin	Bitzer or Dorin	Bitzer or Dorin	Bitzer or Dorin	Refrigerant	R404A	R404A	R404A	R404A	R404A	Cooling Method	Gas	Gas	Gas	Gas	Gas	Software	PLC	PLC	PLC	PLC	PLC	Remonte Tracking System	Option	Option	Optional	Optional	Optional	Chamber	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304	Tray Material	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304	Material of Heating Racks	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Ice Condenser Temperature (°C)	-45	-45	-45	-45	-45	Rack Temperature (°C)	max 70	max 70	max 120	max 120	max 120	Heat Conduction	Convection	Convection	Radiation	Radiation	Radiation	Product Cooling Temperature (°C)	-32	-32	-32	-32	-32	Product Cooling Place	-40 Cooling Room	-40 Cooling Room	-40 Cooling Room	-40 Cooling Room	-40 Cooling Room	Liquid Used in Heating Racks	Glycol + Pure Water	Glycol + Pure Water	Heat Transfer Oil	Heat Transfer Oil	Heat Transfer Oil	Number of Product Loading Cars	4	4	5	8	10	Rail System	No	No	Yes	Yes



Remote
Access

2

Years
Maintenance and
Parts Warranty

10

Years Body
Warranty

15

Service
Point



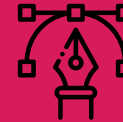
**STRONG
FOCUS
R&D**



40 Engineer



Software



528 Design



Analysis



27 Patent



Test



8M€ Investment

A close-up photograph of several frozen raspberries. The berries are covered in a thick layer of white frost, making them appear soft and textured. They are arranged in a cluster, with some berries in the foreground being more in focus than others in the background.

FREEZERS



-25 °C ~ -42 °C

286 Liters



LY400FR

LY400FR
LY400FR
LY400FR

Manufactured according to DIN13277 standard.



Cabin Type	Vertical
Cooling Type	Static
Defrost Mode	Manual
Net Volume (L) / (CFT)	286
Gross Volume (L) / (CFT)	308
Refrigerant	R410a
Insulation Thickness (mm)	120
Operating Temperature Range	-25 °C ~ -42 °C
Set Temperature	-40 °C
Control System	With Microprocessor
Control Display	4.3" Touch Display
Voltage	220 / 240 V
Frequency	50 Hz
Power Consumption (24 hours)	5.76
Ampere (A)	3.1
Backup Battery Life	72 hours
High Temperature	Available
Low Temperature	Available
Door Open Alarm	Available
Sensor Error	Available
No Mains Voltage Error	Available
External Dimensions (w*d*h) (mm)	724*794*2156.5
Internal Dimensions (w*d*h) (mm)	489*487*1477
Packaged External Dimensions (w*d*h) (mm)	800*850*2230
Net Weight (kg)	127
Gross Weight (kg)	137
Number of Container Loading (20"/40"/40"H)	14 / 30 / 30
Number of 13.6 m Truck Loading	48
Shelves	5 Pieces
Wheel Type	Moving

Cabin Type	Vertical
Cooling Type	Static
Defrost Mode	Manual
Net Volume (L) / (CFT)	606
Gross Volume (L) / (CFT)	637
Refrigerant	R290
Insulation Thickness (mm)	120
Operating Temperature Range	-25 °C ~ -42 °C
Set Temperature	-40 °C
Control System	With Microprocessor
Control Display	4.3" Touch Display
Voltage	220 / 240 V
Frequency	50 Hz
Power Consumption (24 hours)	6.89
Ampere (A)	3.25
Backup Battery Life	72 hours
High Temperature	Available
Low Temperature	Available
Door Open Alarm	Available
Sensor Error	Available
No Mains Voltage Error	Available
External Dimensions (w*d*h) (mm)	931*913*2168
Internal Dimensions (w*d*h) (mm)	624*635*1607
Packaged External Dimensions (w*d*h) (mm)	1000*1200*2240
Net Weight (kg)	225
Gross Weight (kg)	240
Number of Container Loading (20"/40"/40"H)	9 / 22 / 22
Number of 13.6 m Truck Loading	26
Shelves	5 Pieces
Wheel Type	Moving

-25 °C ~ -42 °C

606 Liters



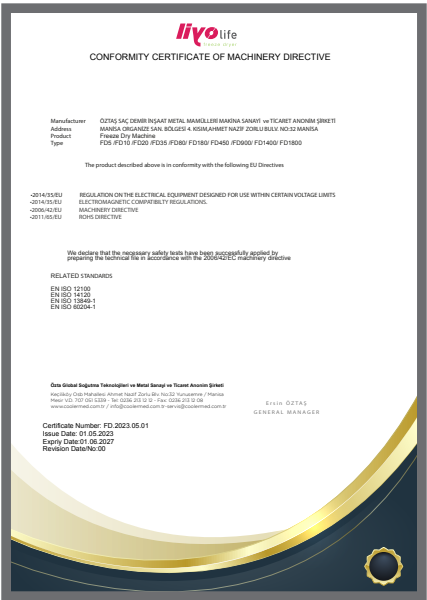
LY660FR
LY660FR
LY660FR



LY660FR is certified as a Class IIa medical device under medical device regulation 93/42/EEC. Manufactured according to DIN13277 and DIN58371 standard.



Documents & Certificates



References

Food (Vegetable/Fruit)



Pet Food



Technological Research (Universities)



Medicine



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