





















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.

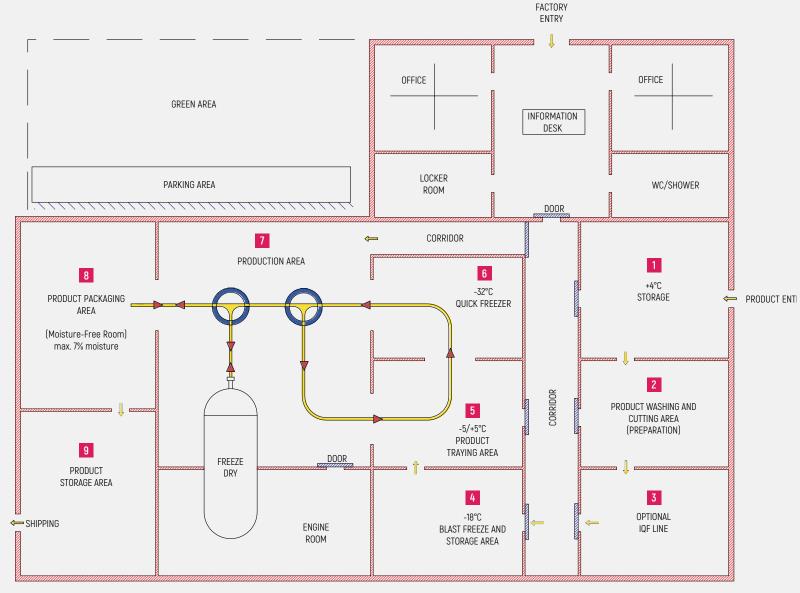
In line with its objective to become a company which produces products under its own brand, as well as its identity of being a supplier company working with main suppliers, it started to produce cooler cabinets such as commercial type cooler and vaccine and blood storage for medical use, plasma storage, 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**







Fresh Strawberry



+4 °C Stock Keeping Stage



Washing Stage



Sorting Stage



**Cutting&Slicing Operations Stage** 



-5 / +5 °C Placing on the Trays



-32 °C Freezing Stage



Freeze Dry Load



Packing Stage ( 3-5 Kg Bags / Requirement => 20% Humidity Control)



Transfer to 15-20 Gr Packs



- 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 abiliay to create a receipe can be dried peftectly.

- 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.



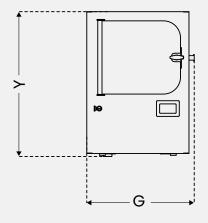
### FREEZE DRYER

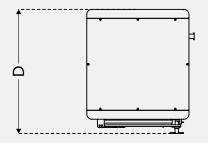


We make our high capacity machines more qractical with rail systems and provide ease of use Thus, by minimizing the time consume, the product is prevented from being deformed.

www.liyolife.com













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

_			
acity	Ice Capacity (kg/lot)	5 kg	
Cap	Wet Product Loading (kg/lot)	3,5 / 4	
suo	Total Tray Area (m²)	0,5	
ensi	Tray Dimensions (mm)	227*512	1
y Din	Number of Product Trays (pcs)	5	9
Ţa	Tray Depth (mm)	20	
Electric Tray Dimensions	Power Consumption (kWh)	0,9	
Elec	Voltage (V)	220	
000	Defrost System	Automatic	(
	Machine Dimensions (w*d*h) (mm) (**)	631*728*850	(
	Machine Settlement Area (m²) (**)	0,5	(
suo	Machine Platform Area ( (m²) (*)	-	(
Dimensions	Number of Racks	5	Ċ
į	Rack Dimensions (mm)	235*540	
	Rack Clearance (mm)	44	
	Circle Size (m)	0,38	
E	Final Vacuum Level (Pa)	30 ≤	
Vacuum	Vacuum Pump	Baosi	
	Compressor	Embraco	
Cooling	Refrigerant	R410A	
	Cooling Method	Gas	
Software	Software	Unique electronic card	
Soft	Remonte Tracking System	None	
<u></u>	Chamber	AISI 304	
Material	Tray Material	AISI 304	
Σ	Material of Heating Racks	AISI 304	

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.

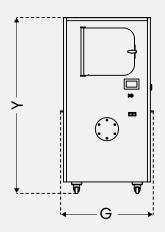
(\*\*) Represents only the seating area of the machine. The cover sweeping area and the spaces between the machine and other devices are not included.

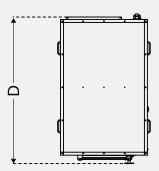






















Machine Dimensions
W. 854 - D . 1335 - H. 1596 mm
Open Door Size
0,38 m

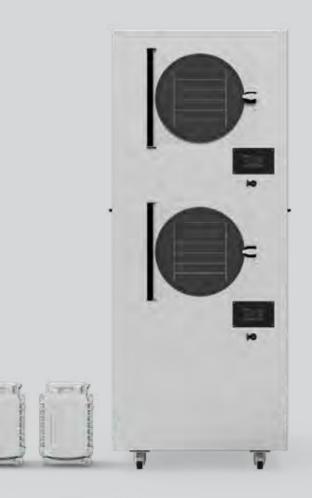
Ice Capacity (kg/lot)   10 kg	
Total Tray Area (m²)  Tray Dimensions (mm)  220*550  Number of Product Trays (pcs)  Tray Depth (mm)  Power Consumption (kWh)  Voltage (V)  220 or 380  Automatic  Machine Dimensions (w*d*h) (mm) (**)  Machine Settlement Area (m²) (**)  Machine Platform Area ( (m²) (*)  Number of Racks  Rack Dimensions (mm)  Rack Clearance (mm)  1,1  220*550  10  220  380  Automatic  Machine Settlement Area (m²) (**)  1  Machine Settlement Area (m²) (**)  Rack Clearance (mm)  44	
Defrost System  Machine Dimensions (w*d*h) (mm) (**)  Machine Settlement Area (m²) (**)  Machine Platform Area ( (m²) (*)  Number of Racks  Rack Dimensions (mm)  Rack Clearance (mm)  Automatic  Automatic  Automatic  854*1335*1596  1  235*1125  Rack Clearance (mm)	
Defrost System  Machine Dimensions (w*d*h) (mm) (**)  Machine Settlement Area (m²) (**)  Machine Platform Area ( (m²) (*)  Number of Racks  Rack Dimensions (mm)  Rack Clearance (mm)  Automatic  Automatic  Automatic  854*1335*1596  1  235*1125  Rack Clearance (mm)	,
Defrost System  Machine Dimensions (w*d*h) (mm) (**)  Machine Settlement Area (m²) (**)  Machine Platform Area ( (m²) (*)  Number of Racks  Rack Dimensions (mm)  Rack Clearance (mm)  Automatic  Automatic  Automatic  854*1335*1596  1  255*1125  Automatic  854*1335*1596  235*1125	i de
Defrost System  Machine Dimensions (w*d*h) (mm) (**)  Machine Settlement Area (m²) (**)  Machine Platform Area ( (m²) (*)  Number of Racks  Rack Dimensions (mm)  Rack Clearance (mm)  Automatic  Automatic  Automatic  854*1335*1596  1  255*1125  Automatic  854*1335*1596  235*1125	
Defrost System  Machine Dimensions (w*d*h) (mm) (**)  Machine Settlement Area (m²) (**)  Machine Platform Area ( (m²) (*)  Number of Racks  Rack Dimensions (mm)  Rack Clearance (mm)  Automatic  Automatic  Automatic  854*1335*1596  1  235*1125  Rack Clearance (mm)	
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	
Machine Settlement Area (m²) (**) 1  Machine Platform Area ( (m²) (*) -  Number of Racks 5  Rack Dimensions (mm) 235*1125  Rack Clearance (mm) 44	(
Machine Platform Area ( (m²) (*) -  Number of Racks 5  Rack Dimensions (mm) 235*1125  Rack Clearance (mm) 44	C
Number of Racks 5 Rack Dimensions (mm) 235*1125 Rack Clearance (mm) 44	(
Rack Dimensions (mm) 235*1125 Rack Clearance (mm) 44	(
Rack Clearance (mm) 44	6
` ,	
Circle Cize (m) 0.70	
Circle Size (III) 0,30	
Final Vacuum Level (Pa) 30 ≤	
Final Vacuum Level (Pa) 30 ≤ Vacuum Pump Baosi	
Compressor Embraco	
Refrigerant R410A	
Cooling Method Gas	
Software Unique electronic concentration Remonte Tracking System Yok	ard
Remonte Tracking System Yok	
Chamber AISI 304	
Tray Material AISI 304	
Material of Heating Racks Aluminum	

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

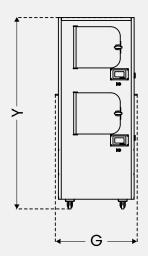
- (\*) As a recommendation, the recommended area may vary depending on the number of machines and layout.
- (\*\*) Represents only the seating area of the machine. The cover sweeping area and the spaces between the machine and other devices are not included.

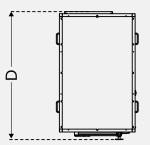














Ice Capacity (kg/lot)



Wet Product Loading (kg/lot)
14/16



Power Consumption (kWh)



Total Tray Area (m²)

2,1



Machine Dimensions

W. 854 - D . 1335 - H. 1996 mm **Open Door Size** 

0,38 m

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

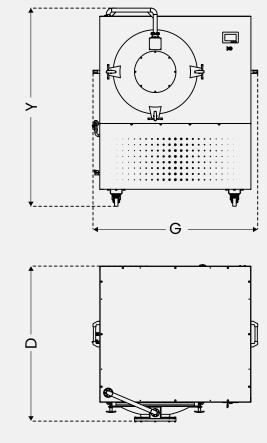
Ice Condenser Temperature (°C)	-45
Rack Temperature (°C)	max 70
Heat Conduction	Convection
Product Cooling Temperature (°C)	-32
Product Cooling Place	Within itself or in -40 chamber
Liquid Used in Heating Racks	Electrical Heater
Number of Product Loading Cars	None
Rail System	No

- $[^\star]$  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.

# FD20CT FD20CT FD20CT















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

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

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

 $(^\star)$  As a recommendation, the recommended area may vary depending on the number of machines and layout.

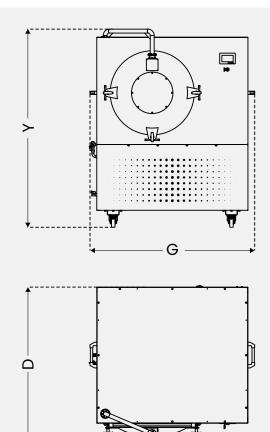
(\*\*) Represents only the seating area of the machine. The cover sweeping area and the spaces between the machine and other devices are not included.

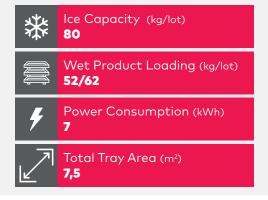














Machine Dimensions
W. 2160 - D . 1228 - H. 2404 mm
Open Door Size
1,2 m

_			
acity	Ice Capacity (kg/lot)	80 kg	
흅	Wet Product Loading (kg/lot)	52 / 62	
Suo	Total Tray Area (m²)	7,5	
ensi	Tray Dimensions (mm)	355*936	re He
y Din	Number of Product Trays (pcs)	22	å
Ta	Tray Depth (mm)	20	
Electric Tray Dimensions	Power Consumption (kWh)	7	
Elec	Voltage (V)	380	
**** ****	Defrost System	Automatic	(
	Machine Dimensions (w*d*h) (mm) (**)	2160*1288*2404	(
	Machine Settlement Area (m²) (**)	2,8	(
suo	Machine Platform Area ( (m²) (*)	-	(
Dimensions	Number of Racks	22	ć
į	Rack Dimensions (mm)	756*950	
	Rack Clearance (mm)	38	
	Circle Size (m)	1,2	
En	Final Vacuum Level (Pa)	30 ≤	
Vacuum	Vacuum Pump	Baosi	
5	Compressor	Embraco	
Cooling	Refrigerant	R404A	
	Cooling Method	Gas	
Software	Software	Unique electronic card	
Soft	Remonte Tracking System	None	
<u></u>	Chamber	AISI 304	
ateri	Tray Material	AISI 304	
Σ	Material of Heating Racks	AISI 304	

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

 $(^\star)$  As a recommendation, the recommended area may vary depending on the number of machines and layout.

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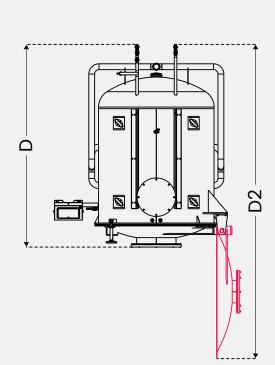












G



Ice Capacity (kg/lot)



Wet Product Loading (kg/lot)
110/150



Power Consumption (kWh)



Total Tray Area (m²)



**Machine Dimensions** 

W. 2050 - D . 2200 - H. 2162 mm

Open Door Size (D2)

1,5 m

acit)	Ice Capacity (kg/lot)	180 kg	
Cap	Wet Product Loading (kg/lot)	110/150	
Suo	Total Tray Area (m²)	16	
ensi	Tray Dimensions (mm)	420*730	3
y Din	Number of Product Trays (pcs)	51	4
Tra	Tray Depth (mm)	26	
Electric Tray Dimensions	Power Consumption (kWh)	14	
Elec	Voltage (V)	380	
000	Defrost System	Hot Water (Manuel)	(
	Machine Dimensions (w*d*h) (mm) (**)	2050*2200*2162	(
	Machine Settlement Area (m²) (**)	4,5	(
suo	Machine Platform Area ( (m²) (*)	9	(
Dimensions	Number of Racks	17	ć
į	Rack Dimensions (mm)	754*1300	
	Rack Clearance (mm)	40	
	Circle Size (m)	1,5	
En	Final Vacuum Level (Pa)	13 ≤	
Vacuum	Vacuum Pump	Pfeiffer or Edwars	
5	Compressor	Bitzer or Dorin	
Cooling	Refrigerant	R404A	
٥	Cooling Method	Gas	
vare	Software	PLC	
Software	Remonte Tracking System	Option	
<u></u>	Chamber	AISI 304	
Materia	Tray Material	AISI 304	
Σ	Material of Heating Racks	Aluminum	

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

 $(^\star)$  As a recommendation, the recommended area may vary depending on the number of machines and layout.

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FD450 FD450



Ice Capacity (kg/lot)



Wet Product Loading (kg/lot) **325/450** 



Power Consumption (kWh)



Total Tray Area (m²)

50

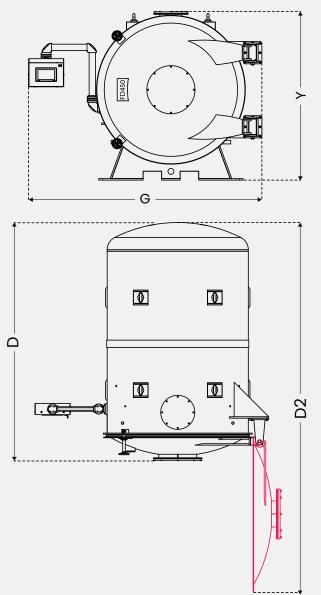


**Machine Dimensions** 

W. 3149 - D . 3215 - H. 2278 mm

Open Door Size (D2)

2 m



Ice Capacity (kg/lot)   450 kg			
0 1 0			
Total Tray Area (m²) 50  Tray Dimensions (mm) 725*610  Number of Product Trays (pcs) 102  Tray Depth (mm) 26  Power Consumption (kWh) 41			
Tray Dimensions (mm) 725*610  Number of Product Trays (pcs) 102  Tray Depth (mm) 26  Power Consumption (kWh) 41			
Number of Product Trays (pcs) 102  Tray Depth (mm) 26  Power Consumption (kWh) 41			
Tray Depth (mm) 26 Power Consumption (kWh) 41			
Power Consumption (kWh) 41			
Voltage (V) 380			
Defrost System Hot Water (Auto	omatic)		
Machine Dimensions (w*d*h) (mm) (**) 3149*3215*2278			
Machine Settlement Area (m²) (**) 10			
Machine Platform Area ( (m²) (*) 20			
Machine Platform Area ( [m²] (*) 20  Number of Racks 19  Pack Dimensions (mm) 1270*21/0			
Rack Dimensions (mm) 1270*2140			
Rack Clearance (mm) 37			
Circle Size (m) 2			
Final Vacuum Level (Pa) 13 ≤			
Final Vacuum Level (Pa) 13 ≤  Vacuum Pump Pfeiffer or Edw	Pfeiffer or Edwars		
Compressor Bitzer or Dorin			
Compressor Bitzer or Dorin Refrigerant R404A			
Cooling Method Gas			
Software PLC  Remonte Tracking System Option			
Remonte Tracking System Option			
Chambor AISL 70/			
Tray Material AISI 304			
Material of Heating Racks Aluminum			

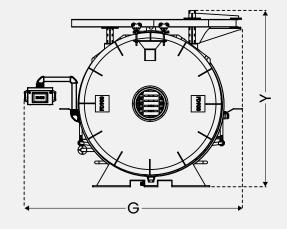
Ice Condenser Temperature (°C)	-45
Rack Temperature (°C)	max 70
Heat Conduction	Convection
Product Cooling Temperature (°C)	-32
Product Cooling Place	-40 Cooling Room
Liquid Used in Heating Racks	Glycol + Pure Water
Number of Product Loading Cars	4
Rail System	No

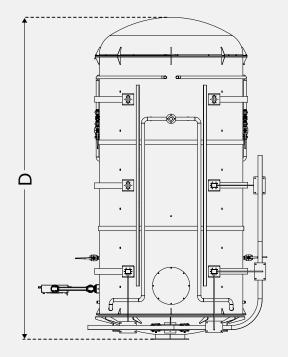
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Wet Product Loading (kg/lot) **500/875** 



Power Consumption (kWh)



Total Tray Area (m²)

70



**Machine Dimensions** 

W. 3749 - D . 5557 - H. 2856 mm

Open Door Size (D2)

2,5 m

city	Ice Capacity (kg/lot)	900 kg	
Сара	Wet Product Loading (kg/lot)	500 / 875	
Suc	Total Tray Area (m²)	70	
ensic	Tray Dimensions (mm)	600 * 750	5
, Dim	Number of Product Trays (pcs)	150	94.0
Tra	Tray Depth (mm)	40	
Electric Tray Dimensions	Power Consumption (kWh)	80	
Elec	Voltage (V)	380	
*** ****	Defrost System	Hot Water (Automatic)	(
	Machine Dimensions (w*d*h) (mm) (**)	3749*5557*2856	(
	Machine Settlement Area (m²) (**)	20	(
suo	Machine Platform Area ( (m²) (*)	40	(
Dimensions	Number of Racks	32	ć
į	Rack Dimensions (mm)	650*4000	
	Rack Clearance (mm)	75	
	Circle Size (m)	2,5	
En	Final Vacuum Level (Pa)	13 ≤	
Vacuum	Vacuum Pump	Pfeiffer or Edwars	
5	Compressor	Bitzer or Dorin	
Cooling	Refrigerant	R404A	
	Cooling Method	Gas	
vare	Software	PLC	
Software	Remonte Tracking System	Optional	
	Chamber	AISI 304	
Material	Tray Material	AISI 304	
Σ	Material of Heating Racks	Aluminum	

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

 $(^\star)$  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.









Ice Capacity (kg/lot)
1400



Wet Product Loading (kg/lot) **750/1325** 



Power Consumption (kWh)



Total Tray Area (m²)
105

FD1400 FD1400

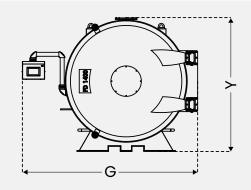


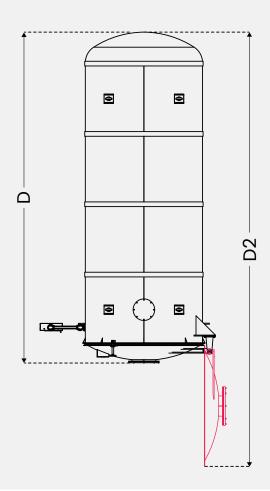
**Machine Dimensions** 

W. 3749 - D . 7057 - H. 2856 mm

Open Door Size (D2)

2,5 m

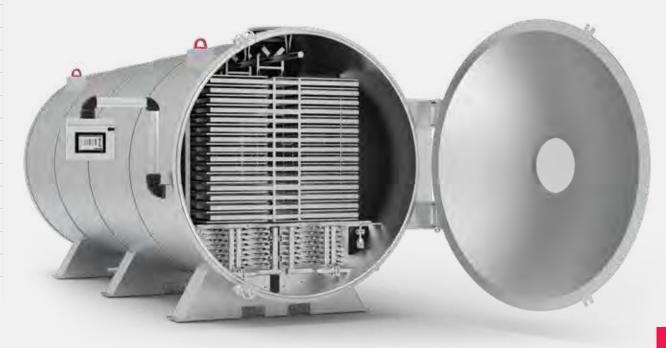




Ş	Ice Capacity (kg/lot)	1400 kg
Capaci	Wet Product Loading (kg/lot)	750 / 1325
	Total Tray Area (m²)	105
Electric Tray Dimensions	Tray Dimensions (mm)	600 * 750
imer	•	
ay D	Number of Product Trays (pcs)	225
F	Tray Depth (mm)	40
ctric	Power Consumption (kWh)	121
	Voltage (V)	380
000	Defrost System	Hot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

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	

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







Ice Capacity (kg/lot)
1800



Wet Product Loading (kg/lot)
1000/1750



Power Consumption (kWh)



Total Tray Area (m²)

140



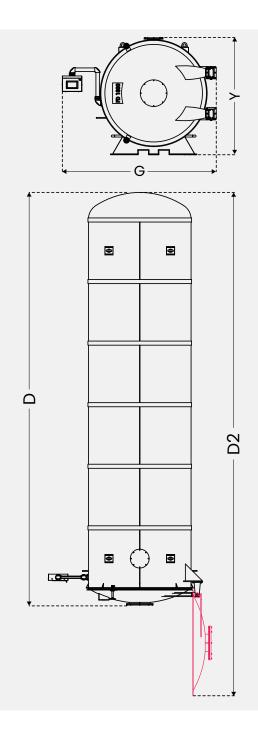


Machine Dimensions

W. 3749 - D . 10057 - H. 2856 mm

Open Door Size (D2)

2,5 m



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

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

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	ם	J	C	•

FD10CT

FD20CT

FD35

FD80

Ice Capacity (kg/lot)	E len	10 km	20 km	75 km	80 kg
	5 kg	10 kg	20 kg	35 kg	•
Wet Product Loading (kg/lot)	3,5 / 4	7/8	14 / 16	20 / 25	52 / 62
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
Number of Product Trays (pcs)	5	10	20	11	22
Tray Depth (mm)	20	20	20	20	20
Power Consumption (kWh)	0,9	1	2	4	7
Voltage (V)	220	220 or 380	220 or 380	380	380
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
Machine Settlement Area (m2) (**)	0,5	1	1	1,8	2,8
Machine Platform Area ( (m2) (*)	-	-	-	-	-
Number of Racks	5	5	10	11	22
Rack Dimensions (mm)	235*540	235*1125	235*1125	378*950	756*950
Rack Clearance (mm)	44	44	44	38	38
Circle Size (m)	0,38	0,38	0,38	0,65	1,2
Final Vacuum Level (Pa)	30 ≤	30 ≤	30 ≤	30 ≤	30 ≤
Vacuum Pump	Baosi	Baosi	Baosi	Baosi	Baosi
Compressor	Embraco	Embraco	Embraco	Embraco	Embraco
Refrigerant	R410A	R410A	R410A	R404A	R404A
Cooling Method	Gas	Gas	Gas	Gas	Gas
Software	Unique electronic card				
Remonte Tracking System	None	Yok	None	None	None
Chamber	AISI 304				
Tray Material	AISI 304				
Material of Heating Racks	AISI 304	Aluminum	AISI 304	AISI 304	AISI 304
Ice Condenser Temperature (°C)	-45	-45	-45	-45	-45
Rack Temperature (°C)	max 70				
Heat Conduction	Convection	Convection	Convection	Convection	Convection
Product Cooling Temperature (°C)	-32	-32	-32	-32	-32
Product Cooling Place	Within itself or in -40 chamber				
Liquid Used in Heating Racks	Electrical Heater				
Number of Product Loading Cars	None	None	None	None	None
Rail System	No	No	No	No	No











# TECHNICAL PROPERTIES

ROPERTIES	FD180	FD450	FD900	FD1400	FD1800
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 Edwars	Pfeiffer or Edwars	Pfeiffer orEdwars	Pfeiffer or Edwars	Pfeiffer or Edwars
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	Yes



Years
Maintenance and
Parts Warranty

Years Body
Warranty

15 Service Point





# 





Software 528 Design

**40 Engineer** 



**Analysis** 



**27 Patent** 





8M€ Investment





-25 °C ~ -42 °C 286 Liters







Manufactured according to DIN13277 standard.





Cooling Type Defrost Mode Manual Net Volume (L) / (CFT) 286 Gross Volume (L) / (CFT) 308 Refrigerant Refrigerant R410a Insulation Thickness (mm) 120 Operating Temperature Range -25 °C ~ -42 °C Set Temperature -40 °C Control System With Microprocessor Control 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 Sensor Error Available Sensor Error Available External Dimensions (w*d*h) (mm) Packaged External Dimensions (w*d*h) (mm) Packaged External Dimensions (w*d*h) (mm) Packaged External Dimensions (w*d*h) (mm) Net Weight (kg) 127 Gross Weight (kg) Number of Container Loading (20"/40"/40"/40"+1) Number of 13.6 m Truck Loading Wheel Type Moving	Cabin Type	Vertical
Net 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  Low Temperature Available  Door Open Alarm Available  Sensor Error Available  External Dimensions (w*d*h) (mm) 724*794*2156.5  Internal Dimensions (w*d*h) (mm) 800*850*2230  Net Weight (kg) 127  Gross Weight (kg) 137  Number of Container Loading (20"/40"/40"H) 148  Shelves 5 Pieces	Cooling Type	Static
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 Low Temperature Available Door Open Alarm Available Sensor Error Available External Dimensions (w*d*h) (mm) 724*794*2156.5 Internal Dimensions (w*d*h) (mm) 800*850*2230 Net Weight (kg) 127 Gross Weight (kg) 137 Number of Container Loading (20"/40"/40"H) 13.6 m Truck Loading 48 Shelves 5 Pieces	Defrost Mode	Manual
Refrigerant Insulation Thickness (mm) I20 Operating Temperature Range -25 °C ~ -42 °C Set Temperature -40 °C Control System With Microprocessor Control 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 Low Temperature Available Sensor Error Available No Mains Voltage Error External Dimensions (w*d*h) (mm) Packaged External Dimensions (w*d*h) (mm) Responsible (kg) Sensos Weight (kg) Number of Container Loading (20"/40"/40"H) Number of 13.6 m Truck Loading Shelves  With Microproce 4.2° C42 °C - 42 °C - 42 °C - 42 °C - 40 °C  Control System Stell Scillation Available - 4.3" Touch Display Vith Microprocessor  Available - 4.3" Touch Display - 4.4" Out Display - 4.	Net Volume (L) / (CFT)	286
Insulation Thickness (mm)  Operating Temperature Range  -25 °C ~ -42 °C  Set Temperature  -40 °C  Control System  With Microprocessor  Control Display  Voltage  220 / 240 V  Frequency  Frequency  Fower Consumption (24 hours)  Angere (A)  Backup Battery Life  To hours  High Temperature  Low Temperature  Available  Low Temperature  Available  Door Open Alarm  Sensor Error  Available  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Gross Weight (kg)  137  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading Shelves  120  220 / 240 V  Frequency  4.3" Touch Display  4.4 / 30 / 30  4.4 / 30 / 30  5.76  Ampere (A)  6.7  6.7  6.7  6.7  6.7  6.7  6.7  6.	Gross Volume (L) / (CFT)	308
Operating Temperature Range	Refrigerant	R410a
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)  Number of 13.6 m Truck Loading 48  Shelves 5 Pieces	Insulation Thickness (mm)	120
Control System  Control Display  Voltage  220 / 240 V  Frequency  50 Hz  Power Consumption (24 hours)  5.76  Ampere (A)  Backup Battery Life  High Temperature  Low Temperature  Door Open Alarm  Sensor Error  Available  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  So Hz  With Microprocessor  4.3" Touch Display  4.30 / 30  With Microprocessor  4.3" Touch Display  4.30 / 30  Author Display  4.4 / 30 / 30  Aut	Operating Temperature Range	-25 °C ~ -42 °C
Control 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  Low Temperature  Available  Low Temperature  Available  Sensor Error  Available  No Mains Voltage Error  Available  External Dimensions (w*d*h) (mm)  Fackaged External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Toss Weight (kg)  Number of Container Loading  (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  5 Pieces	Set Temperature	-40 °C
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) 800*850*2230  Net Weight (kg) 127  Gross Weight (kg) 137  Number of Container Loading (20"/40"/40"H) 13.6 m Truck Loading 48  Shelves 5 Pieces	Control System	With Microprocessor
Frequency  Frequency  Frequency  Fower Consumption (24 hours)  S.76  Ampere (A)  S.1  Backup Battery Life  To hours  High Temperature  Low Temperature  Available  Door Open Alarm  Available  Sensor Error  Available  No Mains Voltage Error  Available  External Dimensions (w*d*h) (mm)  Fackaged External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Gross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  SPieces	Control Display	4.3" Touch Display
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) 800*850*2230  Net Weight (kg) 127  Gross Weight (kg) 137  Number of Container Loading (20"/40"/40"H) 13.6 m Truck Loading 48  Shelves 5 Pieces	Voltage	220 / 240 V
Ampere (A)  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) Number of 13.6 m Truck Loading Shelves 5 Pieces	Frequency	50 Hz
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) 13.6 m Truck Loading 48  Shelves 5 Pieces	Power Consumption (24 hours)	5.76
High Temperature  Low Temperature  Door Open Alarm  Sensor Error  Available  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Gross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  Available  124*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)  Number of 13.6 m Truck Loading  Shelves	Ampere (A)	3.1
Low Temperature  Door Open Alarm  Sensor Error  Available  No Mains Voltage Error  External Dimensions (w*d*h) (mm) 724*794*2156.5  Internal Dimensions (w*d*h) (mm) 800*850*2230  Net Weight (kg) 127  Gross Weight (kg) 137  Number of Container Loading (20"/40"/40"H) 13.6 m Truck Loading 48  Shelves  Shelves	Backup Battery Life	72 hours
Door Open Alarm  Sensor Error  Available  No Mains Voltage Error  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	High Temperature	Available
Sensor Error  No Mains Voltage Error  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	Low Temperature	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	Door Open Alarm	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	Sensor Error	Available
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	No Mains Voltage Error	Available
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	External Dimensions (w*d*h) (mm)	724*794*2156.5
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	Internal Dimensions (w*d*h) (mm)	489*487*1477
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	Packaged External Dimensions (w*d*h) (mm)	800*850*2230
Number of Container Loading (20"/40"/40"H) 14 / 30 / 30  Number of 13.6 m Truck Loading 48  Shelves 5 Pieces	Net Weight (kg)	127
(20"/40"/40"H)       14 / 50 / 50         Number of 13.6 m Truck Loading       48         Shelves       5 Pieces	Gross Weight (kg)	137
Shelves 5 Pieces		14 / 30 / 30
	Number of 13.6 m Truck Loading	48
Wheel Type Moving	Shelves	5 Pieces
	Wheel Type	Moving

Cooling Type Defrost Mode Manual Net Volume (L) / (CFT) Gross Volume (L) / (CFT) Refrigerant Refrigerant Respo Insulation Thickness (mm) I20 Operating Temperature Range -25 °C ~ -42 °C Set Temperature -40 °C Control System With Microprocessor Control Display Voltage 220 / 240 V Frequency 50 Hz Power Consumption (24 hours) Backup Battery Life 72 hours High Temperature Available Low Temperature Available Low Temperature Available Door Open Alarm Sensor Error Available External Dimensions (w*d*h) (mm) Sackaged External Dimensions (w*d*h) (mm) Packaged External Dimensions (w*d*h) (mm) Not Weight (kg) Gross Weight (kg)  Number of Container Loading (26 Shelves Wheel Type Moving	Cabin Type	Vertical
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 Sensor 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	Cooling Type	Static
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 Door Open Alarm Available Sensor 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	Defrost Mode	Manual
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 Sensor 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 26 Shelves 5 Pieces	Net Volume (L) / (CFT)	606
Insulation Thickness (mm)  Operating Temperature Range  -25 °C ~ -42 °C  Set Temperature  -40 °C  Control System  With Microprocessor  Control Display  Voltage  220 / 240 V  Frequency  Frequency  Fo Hz  Power Consumption (24 hours)  Backup Battery Life  High Temperature  Low Temperature  Low Temperature  Available  Door Open Alarm  Sensor Error  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Gross Weight (kg)  Number of Container Loading (26  Shelves  5 Pieces	Gross Volume (L) / (CFT)	637
Operating Temperature Range	Refrigerant	R290
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 Sensor 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	Insulation Thickness (mm)	120
Control System  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  Low Temperature  Door Open Alarm  Sensor Error  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm))  Packaged External Dimensions (w*d*h) (mm))  Net Weight (kg)  Gross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  With Microprocessor  4.3" Touch Display  4.2" Available  Available  Available  Available  4.2" Available  5.8" Available  4.2" Available  4.2" Available  4.2" Available  5.8" Available  6.89  4.2" Available  6.89  4.2" Available  6.89	Operating Temperature Range	-25 °C ~ -42 °C
Control Display  Voltage  220 / 240 V  Frequency  50 Hz  Power Consumption (24 hours)  Ampere (A)  Backup Battery Life  To hours  High Temperature  Low Temperature  Low Temperature  Available  Door Open Alarm  Available  Sensor Error  Available  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Gross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  5 Pieces	Set Temperature	-40 °C
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)  Number of 13.6 m Truck Loading 26  Shelves 5 Pieces	Control System	With Microprocessor
Frequency  Power Consumption (24 hours)  Ampere (A)  Backup Battery Life  High Temperature  Low Temperature  Door Open Alarm  Sensor Error  Available  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm))  Net Weight (kg)  Gross Weight (kg)  Number of Container Loading (26)  Shelves  50 Hz  6.89  Available  72 hours  Available  Available  Available  Available  624*635*1607  1000*1200*2240  9 / 22 / 22  Shelves  5 Pieces	Control Display	4.3" Touch Display
Power Consumption (24 hours)  Ampere (A)  Backup Battery Life  High Temperature  Low Temperature  Door Open Alarm  Sensor Error  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm))  Packaged External Dimensions (w*d*h) (mm))  Net Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  6.89  3.25  Available  Available  Available  624*635*1607  Packaged External Dimensions (w*d*h) (mm))  1000*1200*2240  Packaged External Dimensions (w*d*h) (mm))  Packaged External Dimensions (w*d*h) (mm))  Packaged External Dimensions (w*d*h) (mm))  Sensor Error  Available  1000*1200*2168  8240  Number of Container Loading  1000*1200*2240  Packaged External Dimensions (w*d*h) (mm))  Packaged External Dimensions (w*d*h) (mm))  Sensor Error  Available  Available  Available  Sensor Error  Available  240  Packaged External Dimensions (w*d*h) (mm))  1000*1200*2240  Packaged External Dimensions (w*d*h) (mm))  255  Shelves	Voltage	220 / 240 V
Ampere (A)  Backup Battery Life  High Temperature  Low Temperature  Door Open Alarm  Sensor Error  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  Available  Available  Available  624*635*1607  1000*1200*2240  1000*1200*2240  9 / 22 / 22  Shelves  5 Pieces	Frequency	50 Hz
Backup Battery Life  High Temperature  Low Temperature  Door Open Alarm  Available  Sensor Error  Available  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm))  Packaged External Dimensions (w*d*h) (mm))  Net Weight (kg)  Gross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  72 hours  Available  Available  Available  624*635*1607  Policies  72 hours  4vailable  Available  Available  Available  Available  1000*12168  4vailable  Available  Available  844*635*1607  Policies  9246  9 / 22 / 22  Shelves	Power Consumption (24 hours)	6.89
High Temperature  Low Temperature  Door Open Alarm  Available  Sensor Error  Available  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Cross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  Available  Available	Ampere (A)	3.25
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  Shelves 5 Pieces	Backup Battery Life	72 hours
Door Open Alarm  Sensor Error  No Mains Voltage Error  External Dimensions (w*d*h) (mm)  Packaged External Dimensions (w*d*h) (mm)  Net Weight (kg)  Cross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  Available  Available  Available  624*635*1607  1000*1200*2240  1000*1200*2240  225  240  Packaged External Dimensions (w*d*h) (mm))  1000*1200*2240  225  Shelves  5 Pieces	High Temperature	Available
Sensor Error  No Mains Voltage Error  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  Shelves 5 Pieces	Low Temperature	Available
No Mains Voltage Error  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  Shelves 5 Pieces	Door Open Alarm	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 9 / 22 / 22  Number of 13.6 m Truck Loading 26  Shelves 5 Pieces	Sensor Error	Available
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 9 / 22 / 22  Number of 13.6 m Truck Loading 26  Shelves 5 Pieces	No Mains Voltage Error	Available
Packaged External Dimensions (w*d*h) (mm)) 1000*1200*2240  Net Weight (kg) 225  Gross Weight (kg) 240  Number of Container Loading 9 / 22 / 22  Number of 13.6 m Truck Loading 26  Shelves 5 Pieces	External Dimensions (w*d*h) (mm)	931*913*2168
Net Weight (kg)  Gross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  225  9 / 22 / 22  25  5 Pieces	Internal Dimensions (w*d*h) (mm)	624*635*1607
Gross Weight (kg)  Number of Container Loading (20"/40"/40"H)  Number of 13.6 m Truck Loading  Shelves  240  9 / 22 / 22  25  Shelves  5 Pieces	Packaged External Dimensions (w*d*h) (mm))	1000*1200*2240
Number of Container Loading 9 / 22 / 22  Number of 13.6 m Truck Loading 26  Shelves 5 Pieces	Net Weight (kg)	225
(20"/40"/40"H)       9 / 22 / 22         Number of 13.6 m Truck Loading       26         Shelves       5 Pieces	Gross Weight (kg)	240
Shelves 5 Pieces		9 / 22 / 22
	Number of 13.6 m Truck Loading	26
Wheel Type Moving	Shelves	5 Pieces
	Wheel Type	Moving

-25 °C ~ -42 °C 606 Liters





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)











































Aksu Tarım Doğal Kızılcık Üretimi ve Gıda Takviyeleri A.Ş. Hususen Biyolojik Bilimler

Gülce Hanım Restaurant Manisa Demirci Kadın Kooperatifi

### Pet Food









Pastel Veteriner

### Technological Research (Universities)













### Medicine

















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