

Dual cooling system

-86°C ULT freezer

M-Twindrive -86°C Ultra Low Temperature Freezer built up by two independent refrigeration systems and the Dual Cooling System offers the highest level of protection, if one system unexpectedly fails the other can maintain the freezer around the -75°C. Valuable and irreplaceable samples can always be securely stored with the highest confidence even if the compressor fails.



Recovery time after
1 minute door open



Pulling down to -80°C



Daily consumption

*Typical freezer data based on internal testing with freezer setpoint at -80°C and ambient temperature at 25°C.



DW-HL530

Features



M-TwinDrive
Two high-efficiency
refrigeration systems



Touch screen
10" LCD touch screen



Extreme labor-saving
Ergonomic handle



Inverter technology
Two inverter compressors

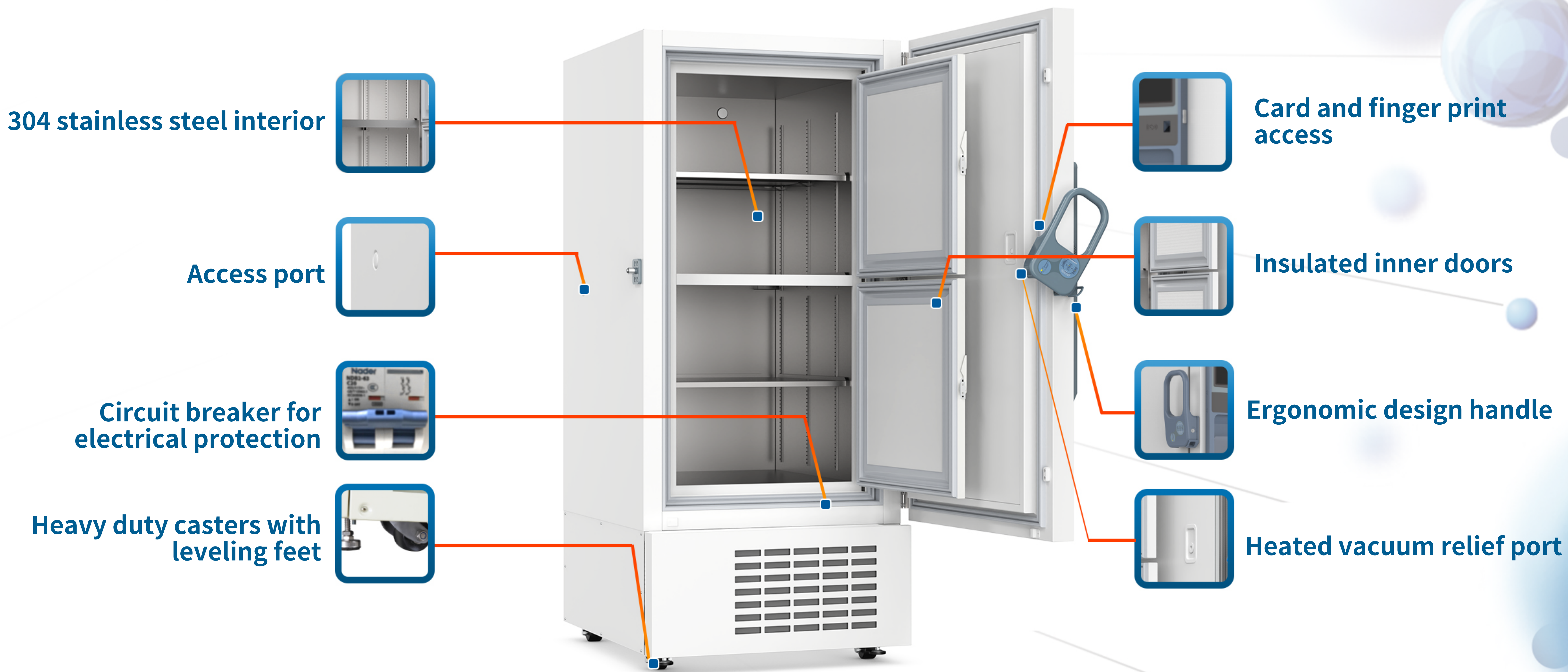


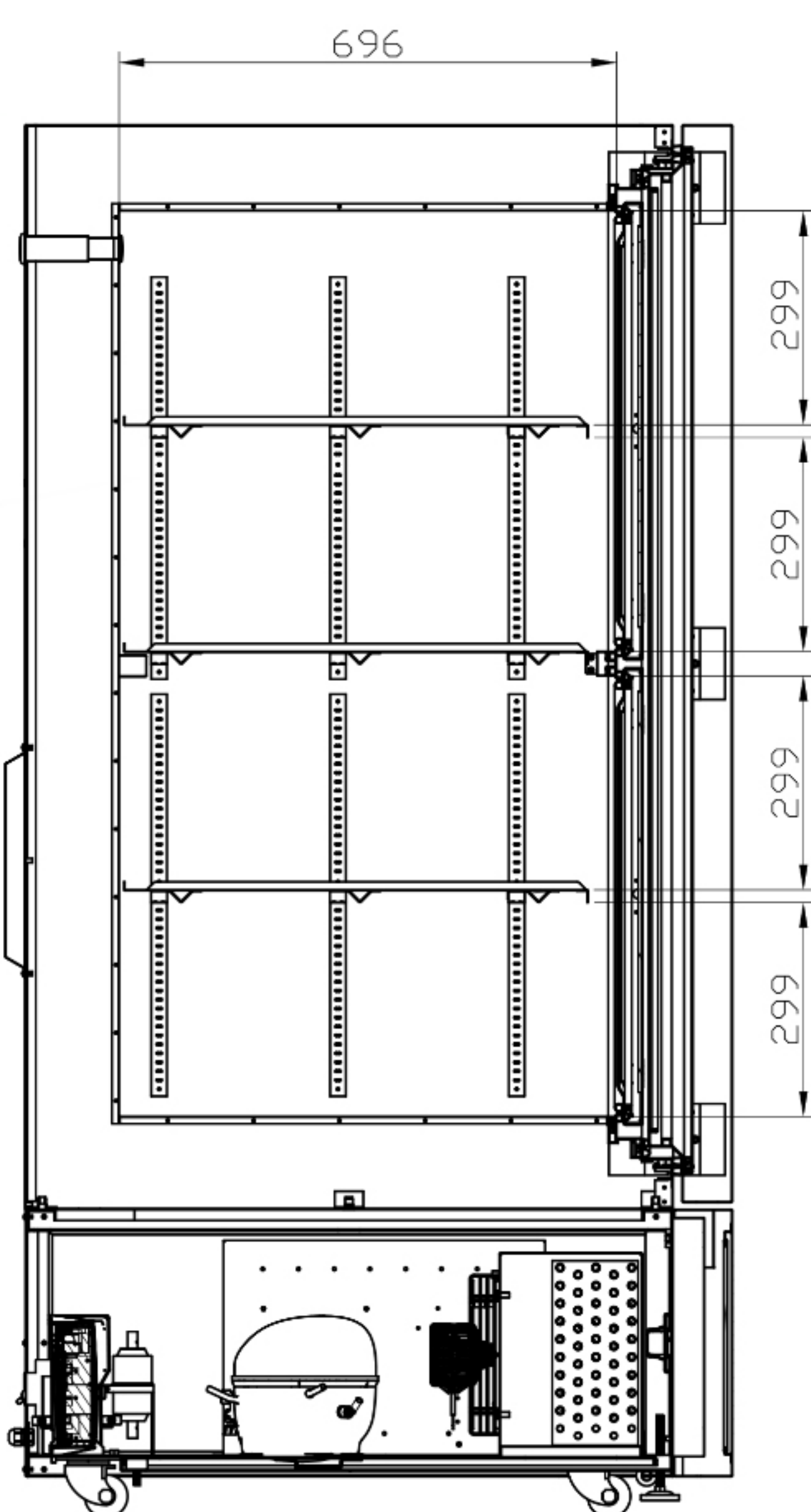
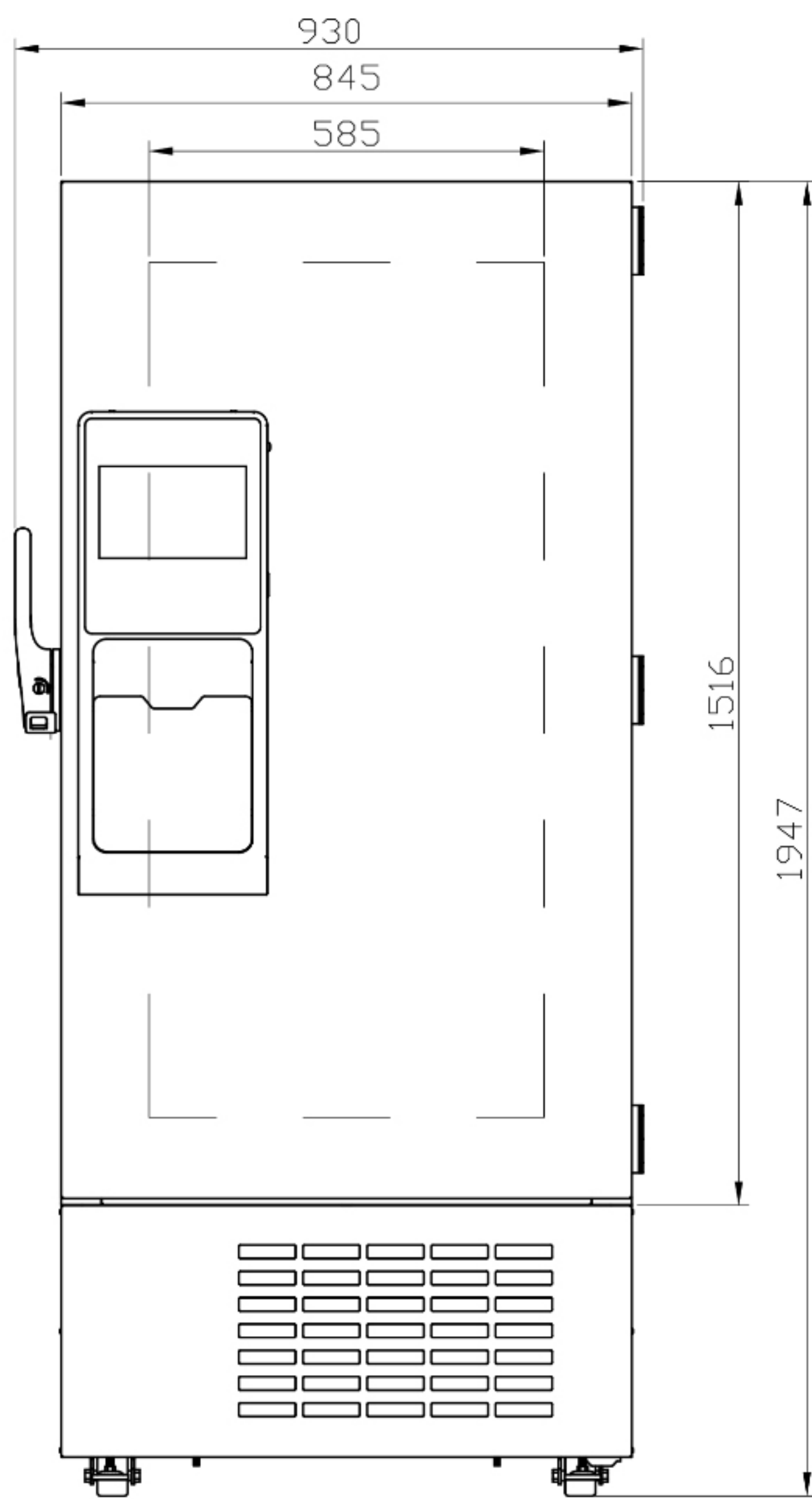
Vacuum insulation
VIP insulation foaming



Alarms system
10 kinds of alarm functions

Structure





-86°C Ultra-low Temperature Freezer

| | |
|---|--|
| Model | DW-HL530 |
| Power supply(V/HZ) | 110-230V/50Hz~60Hz |
| Capacity | 530L/18.7Cu.Ft. |
| Internal size (W*D*H) mm/Inch | 585*696*1266/23.0*27.4*48.4 |
| External size (W*D*H) mm/Inch | 930*1041*1947/36.6*41.0*46.7 |
| Package size (W*D*H) mm/Inch | 1060*1167*2196/41.7*45.9*86.4 |
| NW/GW (kgs) | 276/355 |
| Performance | |
| Temperature range | -40~-86°C |
| Ambient temperature | 16~32°C |
| Cooling performance | -86°C |
| Climate class | N |
| Controller | Microprocessor |
| Display | 10" HD Intelligent touch screen |
| Refrigeration | |
| Compressors | 2pcs |
| Cooling method | Direct cooling |
| Defrost mode | Manual |
| Refrigerants | HC |
| Insulation thickness(mm) | L/R: 130, B: 130 |
| Construction | |
| External material | Cold rolled steel |
| Inner material | Stainless steel |
| Shelves | 3(stainless steel) |
| Access test Port | 2pcs. Ø 25 mm |
| Casters | 4+(2 leveling feet) |
| Data logging/ Interval /Memory capacity | USB/Record every 5 minutes/10 years |
| Interface | Remote alarm contact, RS485 |
| Backup battery | Yes |
| Alarms | |
| Temperature | High/Low temperature, High ambient temperature |
| Electrical | Power failure, Low battery, Battery power detection failure |
| System | Sensor failure, main board communication error, condenser overheating alarm, door ajar |
| Accessories | |
| Freezer rack model | ZKL304-552B-CT |
| Freezer rack/box (quantity) | 16/400 |

Options

M-TwinDrive models support following optional features:

- Modbus protocol for data transfer
- Inkless temperature chart recorder
- Card access or finger print access
- Racks & Boxes & Tubes
- Comform to 21 CFR 11 regulation
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- CO2 back up system
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