



With a compact design, this undercounter fits perfectly beneath your work bench, providing a storage solution that is ideal for places where space is limited.

Outer Dimensions HxWxD, mm	825x595x6	
nner Dimensions HxWxD, mm	676x475x4	
Neight Gross/Net, kg	60/	
Material inner cabinet	A	
Material outer cabinet	Painted Ste	
Packaging weight, kg		
Packaging dimensions HxWxD, mm		
nsulation thickness		
nsulation type	Polyurethane with Cyclopenta	
Air distribution	Dynan	
Mobility	Standard: Adjustable Feet - Option: Casto	
Refrigerant, Type / gram	R600a /	
/ariable Speed Compressor	Yes - Adaptive Cooling Technolo	
Number of probes		
CONTROLLER		
Controller	i-Care, Touch scre	
Controller language	EN, DE	
JSB Connection		
ogging	Data, Alarms & Eve	
Temperature graph		
ligh/Low temp. Alarm		
Open door alarm	Υ	
Probe failure alarm	,	
Power failure alarm	,	
STORAGE		
/olume, Gross/Net, L	138 /	
Shelves, Full/Half	2	
Shelf material	Perforated A	
FEATURES		
ock	,	
.ED light	)	
Battery Backup for Controller, 24h	,	
No-Frost System™	Y	
Perimeter Heater	Hot o	
Porthole	Yes - Ø 20 m	
Dry Contact	155 2211	
Door	Standard: Sc	
Door Features	Automatic: Closure < 90° - Hold Closure > 9	

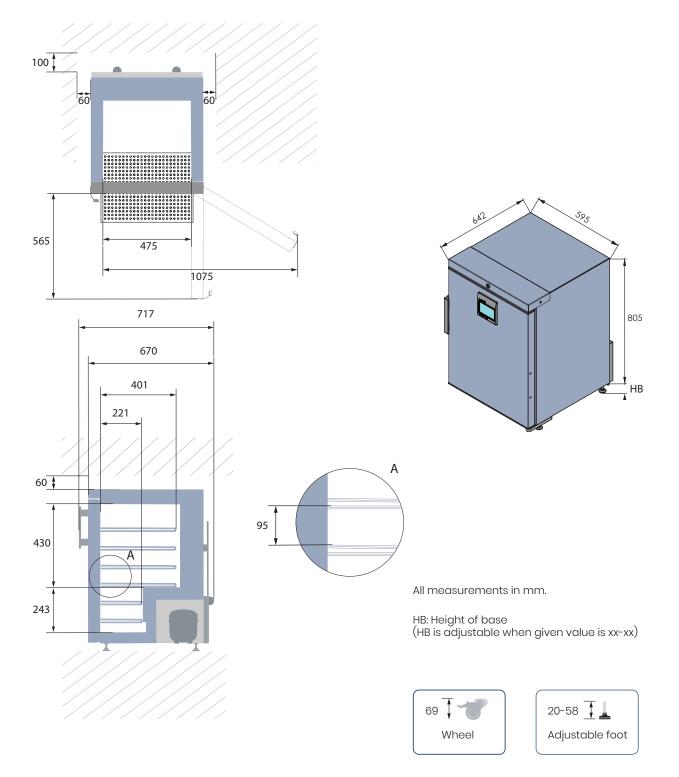


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Voltage/Frequency	Voltage/Hz	230V/50-60H
Max Ambient	°C	359
Max Humidity	% rh	65
PERFORMANCE		
All data in RT20°C		
emperature Range	°C	-5 to -2
Iniformity in performance difference between top and bottom	°C	+/-
ull down time	Minutes	70 min to -20°
lold over time	Minutes	61 min to -10°
loise	dB	4
nergy Saving Mode	kWh/24h	1,147 kWh/24h Set -2
nergy Consumption, kWh / 24h	kWh/24h	1,419 kWh/24h Set -2
nergy year	kWh/year	518 kWh/y Set -2
nstant Power Consumption	kW	PD 0,120/Stable 0,05
leat Rejection	W	1:
I-Value	W/m^2 K	9.0
COOLING COMPONENTS		
Refrigerant/Amount (gram)		R600a/43
Number of compressors	pcs	
/ariable speed compressor	Yes/No	Yı
nternal air distribution (type of)		Dual Air Strea
Evaporator Fan	Yes/No/Variable	Y
Condenser Fan	Yes/No/Variable	1
Number of probes	pcs	
Defrost	Yes/No	Yes - automat
FEATURES		
Safety thermostat	y/n/optional	1
ock	y/n	Y
.ED light	y/n	Y
Battery Back Up For Controller	y/n/optional	Yes - 24
Porthole	y/n - Ømm	Yes - Ø 20m
Dry contact	y/n	Y
Castors	y/n/optional	Option
Door	glass/solid	So
Ooor closure	y/n/optional	Υ
Door reversibility	y/n	Υ
Automatic Hold 90°C	y/n	Υ
/acuum valve	y/n	Ye
/IP (Vacum panel)	y/n	



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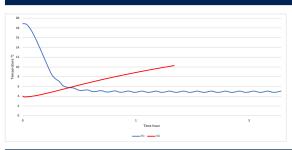


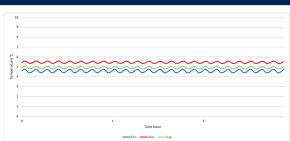
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## **SENSOR POSITION MODEL** F-138I **Test type** 15-point test **FRONT VIEW TOP VIEW Test environment** Controlled conditions, empty cabinet 1\_6\_11 2\_7\_12 5 1 4 2 3 **Ambient temperature** 20°C **Humidity** 5\_10\_15 -25°C 6 9 10 7 8 Set-point 25gr tinned brass formed as a Sensor used cylinder with a diameter of 15,2 4\_9\_14 3\_8\_13 15 11 14 12 13 Installation Appliance installed according to instruction manual conditions Refrigerant R600a **SENSOR TEMPERATURE** Sensor P1 **P2** Р3 **P4** Р5 Р6 **P7** Р8 Р9 P10 P11 P12 P13 P14 P15 position -22,9 -22.5 -24,4 -24 -22.9 -23,1 -23,1 -24 -24,7 -23,4 -24,4 -23,7 -25,4 -24,7 -25,2 Max Avg. -23,5 -23,4 -23,7 -23 -23,6 -24,5 -25,2 -24.8 -23,9 -24,9 -24,1 -25,9 -25,2 -24,4 -25,7 Min. -24,1 -24 -24,2 -23,5 -24,1 -24,9 -25,6 -25,3 -24,3 -25,3 -26,4 -25,7 -24,9 -26,2 **WARM UP & PULL DOWN CYCLIC OPERATION**





TYPICAL PERFORMANCE IN AMBIENT 20°C - EMPTY CABINET	
Avg. cabinet temperature	-24,4°C
Uniformity	+/- 1,4°C
Stability in avg.	0,3°C
1 min. door open recovery to -20°C avg. temperature	11 min.
Cycle rate on/off	29 / 2 min.
Duty cycle	92,6%
Energy consumption - Normal mode	1,419 kWh/day
Energy consumption - Energy saving mode (-20)	1,147 kWh/day
Pull down time to -20°C avg. temperature	70 min.
Hold over time from -25°C to -10°C	61 min.
Sample temperature does not exceed	-15°C
Heat rejection	120