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Pharmacy Refrigerator

The pharmacy refrigerator ensures reliable storage of medicine. The Model is equipped with external digital temperature display and fully electronic temperature control that ensures a correct set temperature between +2°C to +20°C. It features; Open door, high/low alarm, contact for remote alarm, porthole for external monitoring systems, dual ventilators for optimal uniformity in temperatures and for the extra hardware version power failure alarm.

- Energy Effecient
- Very Low Noise
- Stable and Uniform Temperature
- ETR-system™



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Construction	Value
Dimension	1919x595x638 mm
Dimension inner	1587x518x460 mm
Weight	95 / 93 gross/net
Package weight	2 kg
Material inner cabinet	PVC Kg. gross/net
Material outer cabinet	Painted steel Kg. gross/net
Insulation thickness	35 mm
Type of packaging	Plastic with EPS
Mobility	2x Feet 2x Rollers

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Storage		Value	
Volume		381 / 351	
Shelves		5	
Half shelf			

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Features	Value
Safety thermostat	Optional
Lock	②
LED light	②
Battery backup	Optional
Porthole	②
Porthole size	14,8 mm
Dry contact	②
Reference bottle	②
Door closure	
Door reversibility	•
Automatic hold 90°	

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Alarms	Value
High / Low temperature	•
Open door	②
Power failure	0
Probe failure	0

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Test		Value
Voltage		220-240 V
Frequence	/ .05	50 Hz
Max ambient		32 °C
Max Humidity		65 %
Test condition		20

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Temperature range +2 to +20 °C Unifromity in performance 2,5 / −1,2 °C Pull dowm time (from test condition to fabric setpoint) 50 Minutes Hold over time (from fabric SP to 10) empty 72 Minutes Noise 41 dB	
Pull down time (from test condition to fabric setpoint) For Minutes 72 Minutes	
Hold over time (from fabric SP to 10) empty 72 Minutes	
Noise Al dP	
Noise	
Energy 24 hours 0,8 kWh/24h	
Instant Power Consumption N/A kW	
Heat Rejection N/A W	
K-Value N/A W/m^2k	

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Cooling components	Value
Refrigerant/amount	R600a / 60g Type & gram
Number of compressors	1
Internal air distribution (Type)	Dynamic
Number of probes	5
Defrost	•

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Controller		Value
Controller	/ .05	Dixell
Controller type		XW737K
USB Connection		Yes
Data connection		MODBUS
Controller abilities		Logging of data & alarms
Controller languages		Digits
Log numbers		35000
Temperature graph in controller		0



Temperature mapping

Test overview	
Test type	9-point test
Test environment	Controlled conditions, empty cabinet
Ambient temperature	20°C
Humidity	60%
Set-point	5°C
Sensors used	25gr tinned brass formed as a cylinder with a diameter of 15,2mm
Installation	Appliance installed according to instruction manual conditions
Refrigerant	R600a

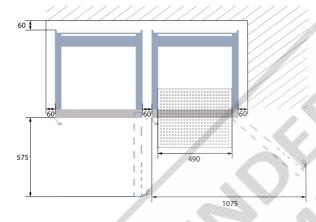
Sensor position	
Front View	Top View
1 2 3	3_6_9
4 5 6	2_5_8
7 8 9	1_4_7

Sensor te	mper	ature	4			•			
Sensor position	P1	P2	Р3	P4	P 5	P6	P7	P8	P9
Max.	6,3	4,9	4,9	5	4,8	5	4,8	4,3	4,4
Avg.	5,8	4,2	4,2	3,3	3,2	3,3	3,8	3,1	3,2
Min.	5,6	4	4	2,8	2,7	2,8	3,4	2,6	2,7



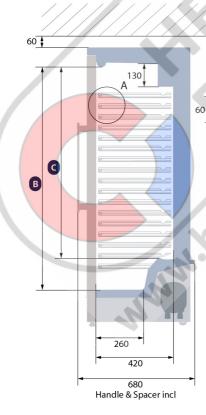


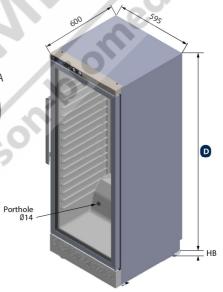
Typical Performand	e data
Avg. cabinet temperature	3,8°C
Peak variation from set-point	+2,5/-1,2°C
Stability in avg.	2,7°C
1 min. door open recovery to 6°C avg. temperature	15 min.
Cycle rate on/off	2,6/9,4 min.
Duty cycle	21,6%
Energy consumption	0,73 kWh/day
Pull down time to 6°C avg. temperature	50 min.
Hold over time from 5°C to 10°C	72 min.
Sample temperature does not exceed	8°C



Model	В	С	D
AKS 337	1260	965	1535
AKS 397	1570	1175	1835

All measurements are in milimeters





HB: Height of base (HB is ajustastable when given value is xx-xxx)









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