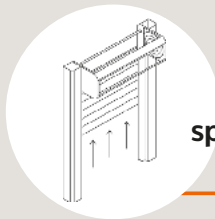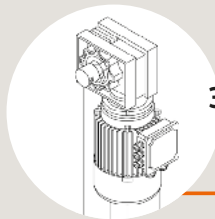# *Spiral ISO 80* *COLD ROOM VL*

High-speed insulated door, developed with specific resistance to cold temperatures: guaranteed operation down to -25°C makes it perfectly suitable for the food and refrigeration sector.
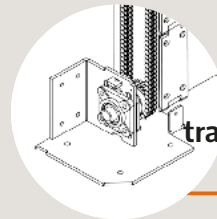

Thermicroll

Opening speed up to 1,5 m/s

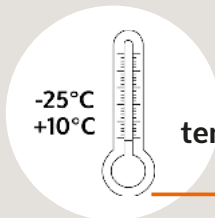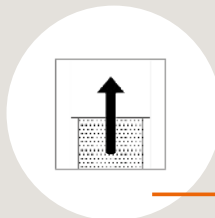**3.000.000 cycles**

Inverter Control Panel
External installation

Chain transmission
Push - Pull

-25°C +10°C **Working temperature**

Vertical opening
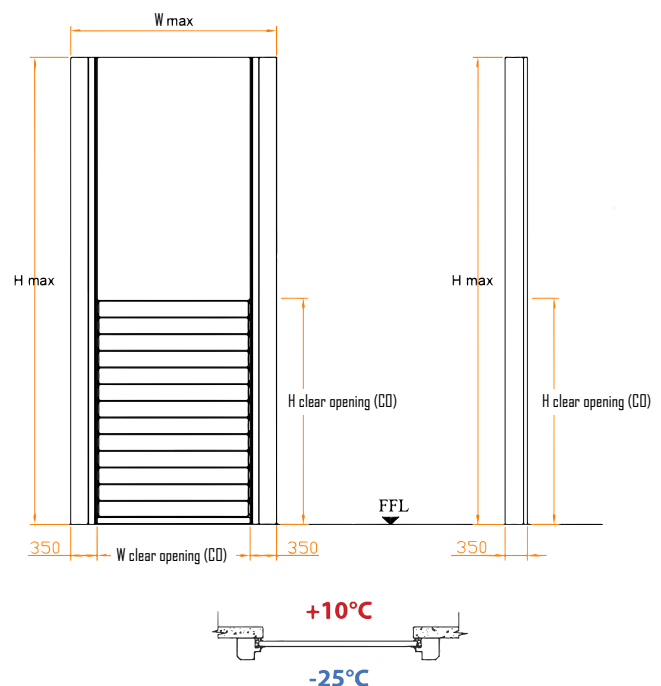
Panels *80mm* thick
Thermal insulation
~ 1,0 W/m2K

Perimeter warmed up 60 W/m

PARAMETERS	TECHNICAL OPERATIONAL DETAILS	
APPLICATION	Internal	
MAX DIMENSION *	W 3000 mm, H 3000 mm (for bigger dimension / special project, please, contact Thermicroll Technical dept.)	
OPENING SPEED *	Up to 1,5 m/s	
CLOSING SPEED *	Up to 0,5 m/s	
THERMAL TRANSMITTANCE*	~ U = 1,0 W/m2K	
WORKING TEMPERATURE *	Tmin ≥ -25°C / Tmax ≤ +10°C (depending on the percentage of humidity in the cold room)	
STRUCTURE	**Standard:** Galvanised steel	**Optional:** Steel powder-coated in RAL Stainless steel AISI 304
DOOR BLADE 80 MM	**Standard:** **INSULATION:** aluminium OX 15um	**Optional:** Aluminum powder coated in RAL Powder coated steel in RAL Stainless Steel AISI 304 Stainless Steel AISI 316
GUIDES	Patented, in high density polyethylene PEHD 500000	
OPERATION	Duplex chain push- pull	
CONTROL PANEL	Inverter, installation on positive side	
POWER SUPPLY	**Standard:** Three phase 400 V + N + G (16 A)	**Optional:** single phase 230 V (10 A)
FREQUENCY	50/60 Hz	
LIMIT SWITCH	Absolute Encoder	
GEAR MOTOR	Motorised asynchronous with 110 V electric brake for intensive high-frequency use	
MANUAL OPERATION IN CASE OF POWER FAILURE *	**Standard:** Single chain winch	**Optional:** Single crank on motor (at height)
SAFETY DEVICES	Light curtain barrier	
HEATING SYSTEM	**Standard:** Kit for motor, brake, columns (consumption 60W/m)	**Mandatory at the customer's expense:** Heated floor
DURABILITY	3,000,000 cycles with periodic maintenance	

* on the door blade, installed accessories and door dimensions.

*Dimensions**

+10°C

-25°C

Coating finishes range

- ALUMINUM OX 15um
- INOX
- PAINT RAL

Thermicroll Srl reserves the right to make any changes it deems appropriate without notice. This data sheet does not constitute a contractual obligation.

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