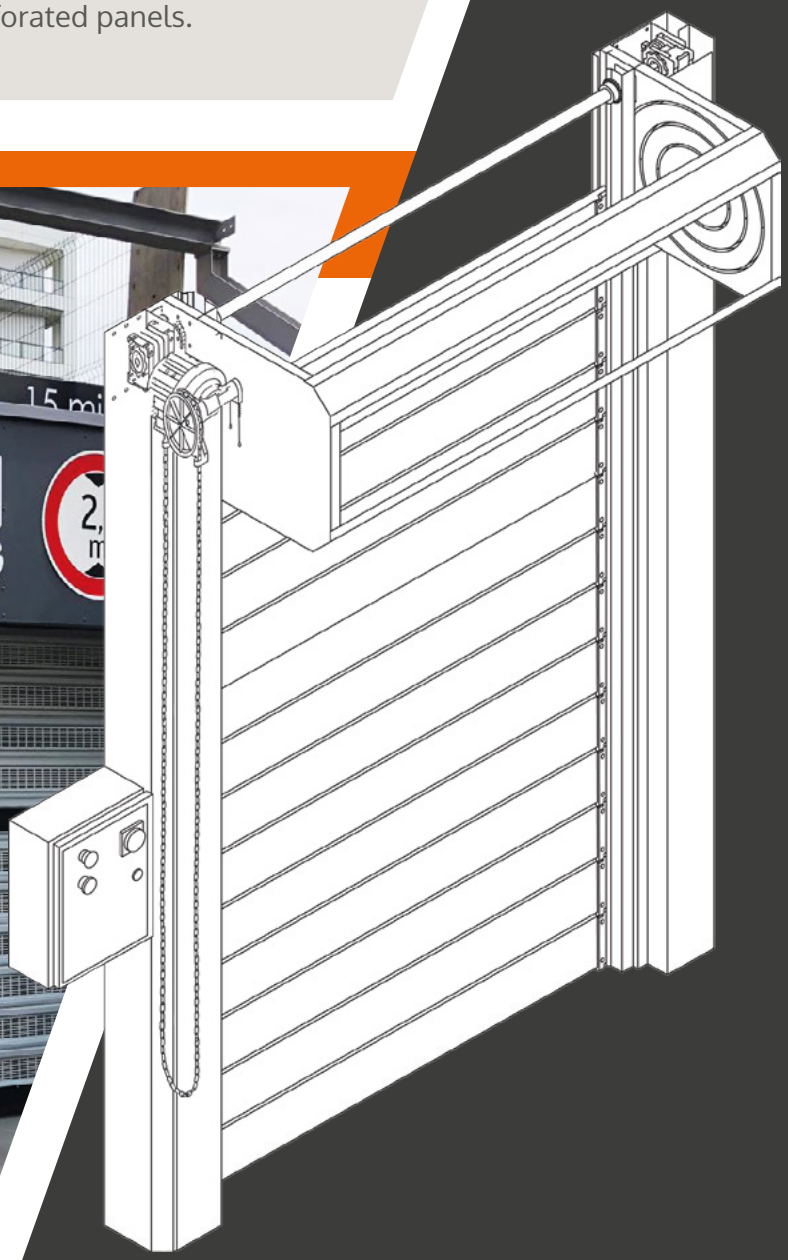
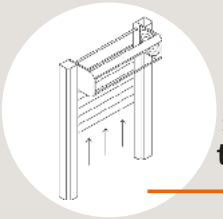
Spiral Air Flow

Fast roll-up door with air permeability, satisfies the needs of separation and above all of safety, allowing easy exchange of air between inside and outside even with the door closed, thanks to the micro-perforated panels.

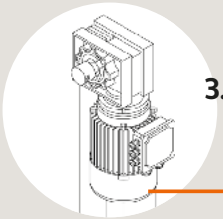




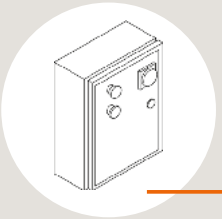
THERMICROLL



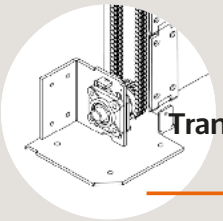
Opening speed up to 1,5 m/s



3.000.000 cycles



Inverter Control Panel



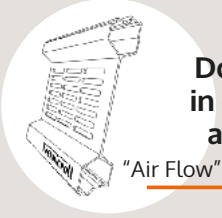
Chain Transmission
Push - Pull



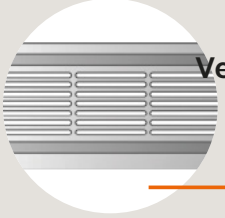
Spiral rolling up system



Frictionless between panels



Door blade in extruded aluminum
"Air Flow" sect. 50mm



Ventilation

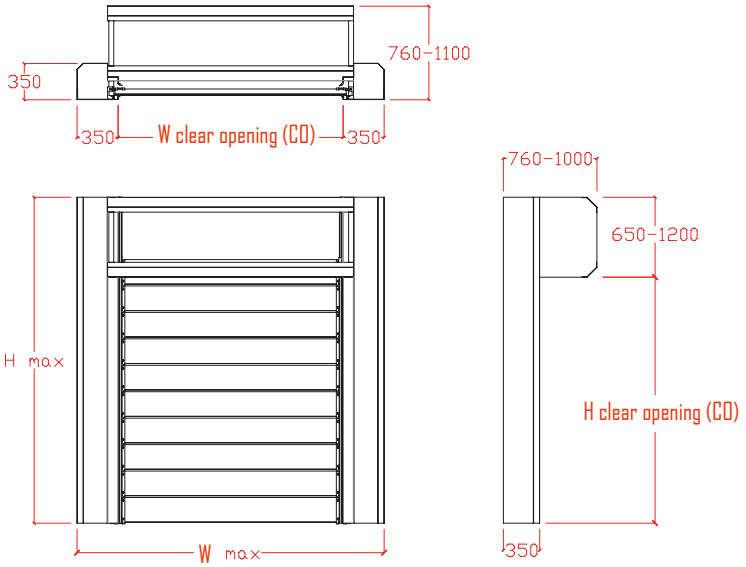
Rev. 03/2023

Spiral Air Flow

PARAMETERS	TECHNICAL OPERATIONAL DETAILS	
APPLICATION	Internal | external	
MAX DIMENSION *	W 7000 mm, H 6000 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	
WIND RESISTANCE *	Class: 2 - 4	
STRUCTURE	**Standard:** Galvanised steel	**Optional:** Steel powder-coated in RAL
DOOR BLADE 50 MM	**Standard:** **Extruded aluminum AIR FLOW** aluminum OX 15um	**Optional:** **EXTRUDE Aluminum AIR FLOW:** aluminum powder-coated in RAL **Extruded Aluminum vision panel:** aluminum OX aluminum powder-coated in RAL
VENTILATION	**Standard:** 25%	**Optional:** Custom milling profile Airflow
SPIRAL - GUIDES	PATENTED, in high density polyethylene PEHD 500000	
OPERATION	Duplex chain push-pull	
TOP COVER	**Standard:** (Mandatory) clear H < 2500 mm	**Optional:** Clear H ≥ 2500 mm
CONTROL PANEL	Inverter	
POWER SUPPLY	**Standard:** Three phase 400 V + N + G (16 A)	**Optional:** Single phase 230 V (10 A)
FREQUENCY	50/60 Hz	
LIMIT SWITCH	Encoder	
GEARED 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 DEVICE	Light curtain barrier	
DURABILITY	3,000,000 opening and closing cycles with periodic maintenance	

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

Dimensions *



Coating finishes range

- ALUMINUM OX 15um
- 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.