

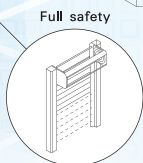
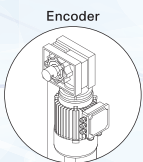
SPIRAL DOOR

ประตูม้วนความเร็วสูง (ควมคุมอุณหภูมิ)

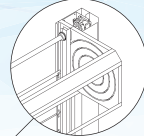


Spiral Door

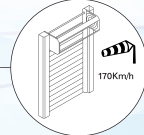
Freezer applications



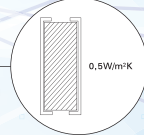
Spiral rolling



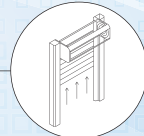
Wind-load resistance



Thermal Transmittance



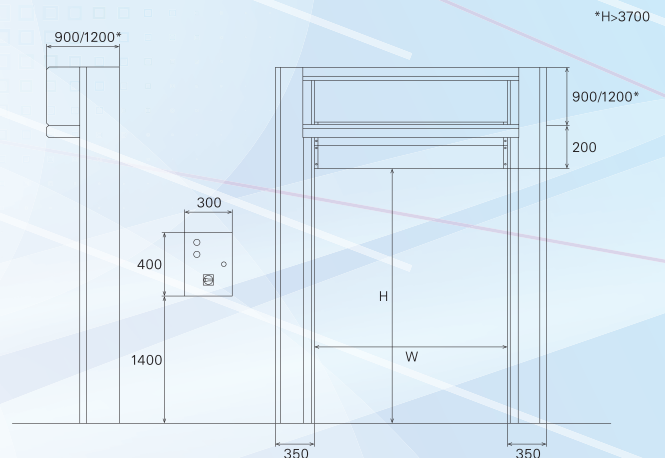
Speed



Technical features

Maximum dimensions	width×height	5000×5000
Maximum speed	opening – closing	up to 1,5m/s
Wind-load resistance	5000×5000	class 4
Temperature range	range	-30*+50°C
	max Δt internal/external	30°C
Thermal transmittance	standard	0,5W/m²K
Heating system	optional	heating cable for frame and motor
Panels thickness	standard	80mm
Panels material	standard	anodized aluminum
	standard	pre-painted steel
	optional	powder painting
Panels insulation	standard	polyesterene
Side and spiral guides	patented	high density polyethylene
Frame covering	optional	galvanized steel
	optional	painted steel
Motor position	built-in	vertical fitting
	side	horizontal fitting
Motor power	three phase	1,5/2,2/3,0 kW – 50/60Hz
Control unit	inverter	400V – 50/60Hz
Protection degree	motor – control unit	IP54
Position transducer	standard	encoder
Safety devices	presence sensor	infrared photocell
	contact edge	resistive wireless edge
	integral system	progressive photocells barrier
Emergency opening	standard	counterweight
Durability	total life (EN 12604)	100000 cycles

Dimensions drawings



High Performance Door with insulated rigid panels leaf, vertical rolling in patented spiral guides, built in high density polyethylene, to assure smooth and noiseless high speed motion.

The rigid panels 80mm thickness are made by steel or aluminium double sheets and internal insulating foam in polyester, to reach thermal transmittance 0,5W/m²K . The external faces of the panel are painted in RAL color range or in anodized aluminium.

Suitable for application in refrigerated plant, optional heating system by warming cables.

The mechanical design of panels and guides allows high wind-load resistance in class 4.

The automation is moved by three-phase motor and inverter driver 400V, with opening and closing speed control (opening up to 1,8m/s) and relevant ramps. Speed and positioning are detected by digital encoder. Electro-brake for stanchioning and release device to move the curtain manually, balanced by counterweight.

Safety system in conformity to EN12341-1 by standard safety devices for force limitation, in case of impact in closing.

OPTIONAL

- Additional push button
- Key pad
- Pool cord switch
- Key switch selector
- No touch sensor
- Remote radio system
- Microwave radar
- Induction loop
- Flashing lamp
- Traffic light