



Hinged door (flush-closing)

BT 40

Application

Service rooms

Dimensions in inch

1-FLG Max. Width
Max. Height

43.31"

90.55"

2-FLG Max. Width
Max. Height

86.61"

90.55"

Other formats available on request.

Sheet thickness

1.57"

Temperature range

Model

Niro

Stainless steel V2A (1.4301), V4A (1.4404) to EN 10088-2
Circular matted finish, grounded, SM linen, mill finished (2B)

Galvanized sheet steel

Strip galvanized, quality class Z275,
corrosion protection class III according to DIN EN 10169/10143,
polyester coating 25µm
Industrial colors according to ems color table

Hinges

Rising hinges made of stainless steel

Windows with stainless steel glazing beads

VSG or polycarbonate, rectangular, d=0.24", standard: 15.75" x 23.62"
Polycarbonate, round, Ø=18.9"

Seals

Side seal

Silicone foam (-112°F to 248°F)

Bottom seal

optional TPE or silicone

Fittings

Stainless steel lever handle set, Lever knob set, Toilet lever handle set
Electric strike plate, Push-in lock with stainless steel faceplate (optional panic lock / panic bar)
Espagnolette bolt (for 2-leaf version), Overhead door closer

Door leaf options

Impact protection, Door contact switch

Frame (flush with door leaf)

For technical details see page 6

Installation brickwork

Block frame

Fig. 1.3

Corner frame

Fig. 1.4 (Lock side) / Fig. 1.5 (Hinge side)

Installation panels

Clamping frame Installation

Fig. 1.1 (Lock side) / Fig. 1.2 (Hinge side)

Threshold

Fig. 1.6



Hinged doors

BT 80

KT 80

GT 120 | 160

Application

Service rooms

Cold storage rooms

Freezer rooms

Dimensions in inch

1-FLG Max. Width
Max. Height

59.05"
98.43"

59.05"
177.17"

78.74"
196.85"

2-FLG Max. Width
Max. Height

118.11"
98.43"

118.11"
177.17"

157.48"
196.85"

* Other formats available on request.

Other formats available on request.

Other formats available on request.

Other formats available on request.

Sheet thickness

3.15"

3.15"

4.72" | 6.30"

Temperature range

Normal temperature up to 33.8°F

-18.4°F

-76°F / -112°F

Heating

default

opt. Increased heating

Model

Niro

Stainless steel V2A (1.4301), V4A (1.4404) to EN 10088-2
Circular matted finish, grounded, SM linen, mill finished (2B)

Galvanized sheet steel

Strip galvanized, quality class Z275,
corrosion protection class III according to DIN EN 10169/10143,
polyester coating 25µm
Industrial colors according to ems color table

Hinges

Rising 3D hinges made of stainless steel
(opt. heavy-duty version)

Windows with stainless steel glazing beads

VSG or polycarbonate, rectangular, d=0.24"
VSG or polycarbonate, round, Ø=18.90"

ISO-2-fold, d=1.10"
ISO-3-fold, d=1.26"
(opt. surface heated)

Seals

Side seal

TPE, opt. silicone

Bottom seal

TPE teflon-coated, opt. silicone

Fittings

Lever handle set
Lever knob set
Toilet lever handle set
Push-in lock
(opt. panic lock / panic bar)
Electric strike plate

ems-press-lock
(opt. with multi-point locking in standard
or VA Robusto)

Espagnolette bolt (for 2-leaf version), Overhead door closer

Options Door leaf / Frame

Impact protection, Door contact switch, Closing sequence selector (for 2-leaf version)

Door retainer, Door catcher

Pipe track bushing
Cold breaker

Shock chamber design
Pressure equalization valve

Frame

For technical details see page 12

Installation brickwork

Flat frame 3.94" x 1.77" (bracket mounting)

Fig. 2.1

Fig. 2.1

Fig. 2.1

Flat frame 3.94" x 1.77" (with pocket holes)

Fig. 2.2

Fig. 2.2

Block frame 3.94" x 2.76" (with pocket holes)

Fig. 2.4

Fig. 2.4

Fig. 2.4

Corner frame (with brickwork anchor)

Fig. 2.3

Installation panels

Clamping frame Installation

Fig. 2.5

Fig. 2.5

Fig. 2.5

Threshold

Fig. 2.6

Fig. 2.6

Fig. 2.7



Hatches

KL 80

GL 120

Application

Cold storage rooms

Freezer rooms

Dimensions in inch

Max. Width

39.37"

39.37"

Max. Height

39.37"

39.37"

Other formats available on request.

Other formats available on request.

Sheet thickness

3.15"

4.72"

Temperature range

Normal temperature up to 33.8°F

up to -18.4°F

Heating

default

Model

Niro

Stainless steel V2A (1.4301), V4A (1.4404) to EN 10088-2
Circular matted finish, grounded, SM linen, mill finished (2B)

Galvanized sheet steel

Strip galvanized, quality class Z275,
corrosion protection class III according to DIN EN 10169/10143,
polyester coating 25µm
Industrial colors according to ems color table

Hinges

Hatch hinges made of stainless steel

Windows with stainless steel glazing beads

VSG or polycarbonate, rectangular, d=0.24"
VSG or polycarbonate, round, Ø=18.90"

ISO-2-fold, d=1.10"
ISO-3-fold, d=1.26"
(opt. surface heated)

Seals

Side seal

TPE, opt. silicone

Fittings

Hatch lock, ems press lock,
VA sash lock

Options Hatch leaf / Frame

Safety chains 2 pieces (ceiling hatch)

Cold breaker

Frame

For technical details see page 24

Installation brickwork

Flat frame 3.94" x 1.77" (bracket mounting)

Fig. 3.1

Flat frame 3.94" x 1.77" (with pocket holes)

Fig. 3.2

Block frame 3.94" x 2.76" (with pocket holes)

Fig. 3.4

Installation panels

Clamping frame Installation

Fig. 3.3

Hinged door "Svantje"



MBT



MKT



MGT

Application

Service rooms

Cold storage rooms

Freezer rooms

Dimensions in inch

1-FLG Max. Width

59.06"

59.06"

59.06"

Max. Height

118.11"

118.11"

118.11"

Other formats available on request.

Other formats available on request.

Other formats available on request.

Sheet thickness

3.15"

3.15"

4.72"

Temperature range

Normal temperature up to 33.8°F

up to -18.4°F

Heating

default

Model

Niro

Stainless steel V2A (1.4301), V4A (1.4404) to EN 10088-2
Circular matted finish, grounded, SM linen, mill finished (2B)

Galvanized sheet steel

Strip galvanized, quality class Z275,
corrosion protection class III according to DIN EN 10169/ 10143,
polyester coating 25µm
Industrial colors according to ems color table

Hinges

Rising 3D hinges made of stainless steel
(opt. heavy-duty version)

Seals

Side seal

TPE, opt. silicone

Bottom seal

TPE Teflon-coated, opt. silicone

Fittings

opt. Knob

Options Door leaf / Frame

Overhead door closer, Impact protection, Door contact switch, Door catcher, Door retainer

Cold breaker

Pressure equalization valve

Frame

For technical details see page 18

Installation brickwork

Flat frame 3.94"x 1.77" (bracket mounting)

Fig. 2.1

Fig. 2.1

Fig. 2.1

Flat frame 3.94"x 1.77" (with pocket holes)

Fig. 2.2

Fig. 2.2

Block frame 3.94" x 2.76" (with pocket holes)

Fig. 2.4

Fig. 2.4

Fig. 2.4

Corner frame (with brickwork anchor)

Fig. 2.3

Installation panels

Clamp frame Installation

Fig. 2.5

Fig. 2.5

Fig. 2.5

Threshold

Fig. 2.6

Fig. 2.6

Fig. 2.7