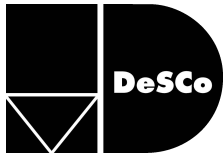


i85 SERIES THERMAL WINDOW

DESCRIPTION	PROJECT-OUT	CASEMENT	PROJECT-IN
AAMA Designation	Coming Soon	Coming Soon	F-AW100
ASTM F588 (Forced Entry)	Coming Soon	Coming Soon	Coming Soon
CRF Rating	Coming Soon	Coming Soon	Fixed 75
Water Resistance	15 psf	Coming Soon	Coming Soon
Maximum Sash Size	Coming Soon	36" x 60"	60" x 36"
Operating Hardware	Cam handles 4 bar hinges	Cam Handles 4 bar hinges	Cam handles 4 bar hinges
Optional Screens	Wicket screens Fiberglass or aluminum mesh	Extruded frame Fiberglass or aluminum mesh	Extruded frame Fiberglass or aluminum mesh
Frame Depth	3 3/8" (85mm)		
Typical Material Thickness	0.094" with tubular design		
Frame Construction	Miter - crimp & epoxy weld on frames Mortise & tenon on mullions		
Sash Construction	Miter - crimp & epoxy weld		
Glazing Thickness	1" and 1 3/4"		



i85 SERIES

HARDWARE GUIDE

DESCRIPTION	PROJECT-IN	PROJECT-OUT	CASEMENT
Cam Handles	Standard	Standard	Standard
Custodial Locks	Optional	Optional	Optional
Spring Latch	Optional		
Pole Ring Cam Handles	Optional		
Pushbars		Optional	
Locking Handles	Optional	Optional	Optional
4 Bar Hinges	Standard	Standard	Standard
Roto Operators		Optional	Optional
Butt Hinges			Optional
Egress Hardware			Optional
Friction Adjustors	Optional	Optional	Optional
Limited Opening Device	Optional	Optional	Optional
Limit Stops	Optional	Optional	Optional
Screens	Optional	Optional	Optional
ADA Hardware	Optional	Optional	Optional

To determine the recommended number of locks or combinations of locking and hinging hardware, contact DeSCO Technical Support for assistance.



i85 SERIES

Window Type Fixed		
Center of Glass	NFRC Size	
U-Value	48" x 60"	60" x 96"
0.20	0.27	0.25
0.24	0.30	0.28
0.26	0.31	0.30
0.30	0.34	0.33
0.34	0.37	0.36
0.38	0.40	0.39
0.42	0.42	0.42

Window Type Fixed over Fixed		
Center of Glass	NFRC Size	
U-Value	48" x 60"	60" x 96"
0.20	0.30	0.27
0.24	0.32	0.30
0.26	0.33	0.31
0.30	0.35	0.34
0.34	0.38	0.37
0.38	0.40	0.40
0.42	0.43	0.42

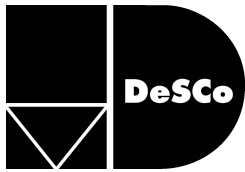
Window Type Awning			
Center of Glass	NFRC Size		
U-Value	60" x 24"	60" x 36"	48" x 24"
0.20	0.39	0.34	0.39
0.24	0.40	0.37	0.41
0.26	0.41	0.38	0.42
0.30	0.43	0.40	0.43
0.34	0.44	0.42	0.45
0.38	0.46	0.44	0.47
0.42	0.48	0.46	0.48

Window Type Fixed over Awning		
Center of Glass	NFRC Size	
U-Value	48" x 60"	60" x 96"
0.20	0.37	0.31
0.24	0.39	0.34
0.26	0.40	0.35
0.30	0.42	0.38
0.34	0.44	0.41
0.38	0.46	0.43
0.42	0.48	0.46

Window Type Hopper			
Center of Glass	NFRC Size		
U-Value	60" x 24"	60" x 36"	48" x 24"
0.20	0.36	0.33	0.37
0.24	0.38	0.35	0.39
0.26	0.39	0.36	0.40
0.30	0.41	0.38	0.41
0.34	0.42	0.40	0.43
0.38	0.44	0.43	0.44
0.42	0.46	0.45	0.46

Window Type Fixed over Hopper		
Center of Glass	NFRC Size	
U-Value	48" x 60"	60" x 96"
0.20	0.34	0.30
0.24	0.36	0.32
0.26	0.37	0.34
0.30	0.39	0.36
0.34	0.41	0.39
0.38	0.44	0.42
0.42	0.46	0.44

Window Type Casement		
Center of Glass	NFRC Size	
U-Value	24" x 60"	36" x 60"
0.20	0.38	0.34
0.24	0.40	0.36
0.26	0.41	0.38
0.30	0.43	0.40
0.34	0.44	0.42
0.38	0.46	0.44
0.42	0.48	0.46



i85 SERIES

SIZE LIMITATIONS

	MINIMUM SIZE	MAXIMUM SIZE
Project-in vent with cam handles	14" wide x 17 3/4" high	60" wide x 36" high

	MINIMUM SIZE	MAXIMUM SIZE
Project-out vent with cam handles	14" wide x 16" high	60" wide x 36" high
Project-out vent with pushbars	23" wide x 18 3/4" high	60" wide x 36" high
Project-out vent with roto operators	24" wide x 18 3/4" high	60" wide x 36" high

	MINIMUM SIZE	MAXIMUM SIZE
Casement vent with roto operators	20" wide x 24" high	36" wide x 60" high

Egress vent

	WIDTH	HEIGHT	
For 20" clear opening width	28 1/2"	45"	5.7 square foot of opening
For 22" clear opening width	30 1/2"	42"	5.7 square foot of opening
For 24" clear opening width	32 1/2"	39"	5.7 square foot of opening

Consult your DeSCO representative for vent size limitations due to hardware limitations.