# E F C O





# Series 672 Double Hung • Series 6620 Fixed 3 %" Architectural Grade Double Hung Thermal Window

# **Configurations** Double Hung • Fixed

The Series 672 double hung window retains an AAMA Architectural Grade rating and is a proven performer in projects ranging from historical replication to new construction. The upper sash meeting rail is thermally improved using a two-part high density polyurethane. All remaining members are thermally enhanced with E-Strut™ thermal isolators. Offered with a complete line of sub frames, mullions and architectural sills, this product family provides the complete solution for fenestration needs.

## Manufacturer

0f

### **Architectural**

And

### Commercial

Grade

Windows,

**Curtain Walls,** 

Entrances,

And

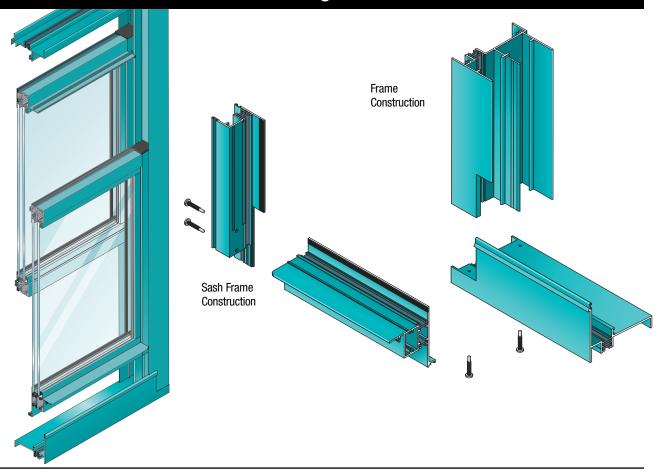
Storefronts

EFCO CORPORATION 1000 COUNTY RD MONETT, MO 65708 800.221.4169

Features	Benefits
E-Strut™ thermal isolator	Improves U-Value performance Dual finish capability Completely eliminates dry shrinkage
Continuous interlock meeting rails	Improves air infiltration resistance
Dual glazing	Improved energy savings
Weather-stripped sash and sill	Provides superior air and water performance
Automatic top and bottom sash locks available	Increased convenience
Trim-All™ panning available	Allows matching of existing sight lines in restoration projects
Screen frames of extruded aluminum alloy are available	Stronger more durable screens
Accessory line of subframes, mullions, and architectural sills	Allows custom designs with standard product
Anodized or painted finishes available	Unlimited options to answer economic and aesthetic concerns



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### **Performance Data**

Double Hung

S-672 Double Hung	Architectural Grade
AAMA Rating (A440-05)	
Air Infiltration	
Water	No Leakage @ 12.0 psf
Structural	±90.0 psf
CRF-Frame (1503-98)	
CRF-Glass (1503-98)	
U-Value (1503-98)	
U-Value (NFRC-102)	

# S-6620 Corresponding Fixed Window Architectural Grade

Aitilitotu	iai diade
AAMA Rating (A440-05)	FW-AW80
Air Infiltration	<.06 cfm/sf @ 6.24 psf
Water	No Leakage @ 15.0 psf
Structural	±120 psf
CRF-Frame (1503-98)	
CRF-Glass (1503-98)	
U-Value (1503-98)	
U-Value (NFRC-97)	

A = Estimated values and/or designations

B = Non-standard size or configuration

C = Dual glazed

D = 1" Insulated - 1/4" clear, 1/2" air, 1/4" clear

E = 1" Insulated - 1/4" clear (Low Emissivity), 1/2" air, 1/4" clear

F = 1" Insulated - 1/4" clear (Low Emissivity), 1/2" argon, 1/4" clear G=1" Insulated - 1/4" clear, 1/2" air, 1/4" clear (Low Emissivity)

2 or 4 Block Pole Ring Access 2 or 4 S-672 Double Hung Auto Head Auto Sill Pole Sweep Sweep Controlled Sweep & Tackle Class 5 Lock Socket **Hardware Chart** Lock Lock Lock Handle Balances **Balances** 0

Some size restrictions
may apply depending
on hardware selected.

0 -Optional S--Standard blank - N/A

\*-Obscure Glass Thickness \*\*-Laminated Glass Thickness

S-672 Glazing Chart		Po	lycarbor	nate		Glass or Panel														*-Obscure Gla Thickness	
		1/8"	3/16"	1/4"	1/8"	.156"*	3/16"	.200"*	1/4"	1/4"**	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-1/2"	1-3/4"	2"	**-Laminated Thickness
Monolithic & Insulated Glass										Α	Α	Α	Α	Α		Α					A -Available
	Exterior Lite									Α											Option I -Internal Bli Be Used With
Dual diazilly	Interior Lite						Α	Α	Α												of Dual Glazi blank - N/A

A -Available Glazing
Option
I -Internal Blinds Can
Be Used With This Type
of Dual Glazing

Fixed S-6620		Pol	lycarbor	nate	Glass or Panel															
Glazing Chart	1/8"	3/16"	1/4"	1/8"	.156"*	3/16"	.200"*	1/4"	1/4"**	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-1/2"	1-3/4"	2"	
Monolithic & Insulated Glass			Α	Α			Α	Α	Α	Α	Α	Α	Α		Α	Α	Α	Α	Α	Α
Dual Glazing	Exterior Lite	I	I	I	ı	I	I	I	I	ı	I	I					Α			
Dual Glazing	Interior Lite						Α	Α	Α											

# Series 672 Double Hung • Series 6620 Fixed 3 %" Architectural Grade Double Hung Thermal Window



#### **Frame Construction**

The frames have a depth of 3 7/8" and are constructed of 6063-T6 aluminum alloy. The nominal material wall thickness for the frame is .080", and the sill has a minimum wall thickness of .094". Corners are of screw spline construction and sealed. See Illustration 1.

#### **Sash Frame Construction**

The sash consists of aluminum members with .080" nominal material wall thickness of 6063-T6 alloy. Corners are of screw spline construction and sealed. Dual weather-stripped continuous interlock at the sash meeting rail(s) offers superior weathering and structural performance. See Illustration 2.

### **Thermal Barrier**

The upper sash meeting rail is thermally improved using two-part, high density polyurethane. All remaining members are thermally isolated with two thermal struts consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. See Illustration 3.

### Weather Stripping

All sash are weather-stripped with FIN-SEAL® or equal. Two holes per sash and two slots through the window frame facilitate weepage.

### **Screens**

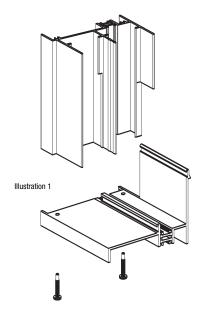
Screen frames are extruded 6063-T6 aluminum alloy. Screens are easily removed by retracting two plungers located on the interior face of the screen frame near the sill at each jamb. Full or half screens are available. 18 x 16 mesh screens are available in fiberglass and .011" diameter aluminum. 18 x 18 mesh screens are available in .009" diameter stainless steel.

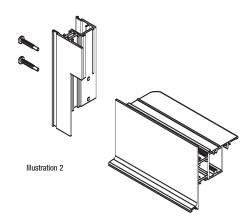
### **Hardware**

Sweep locks, access controlled sweep locks, pole ring sweep locks, and keepers are of cast white bronze with a US25D finish. The automatic head and the optional automatic sill locks are fabricated of aluminum alloy and finished to match the window. A high performance torsion spring and extension spring balance, rated Class 5 with a .30 MAF\* ratio is standard. See the Hardware Chart for available hardware types.

## Glazing

Sash is inside glazed with an extruded aluminum snap-in glazing bead. Glazing of 1/4" to 1 1/8" can be accommodated. Dual glazing is also available in 3/16" and 1/4" glass. Series 6620 fixed frame windows accommodate glass or panels from 1/8" to 3 1/2" thick. See the Glazing Chart for the exact size.





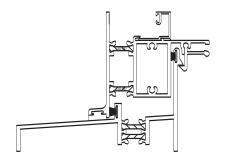
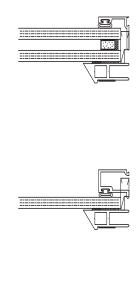
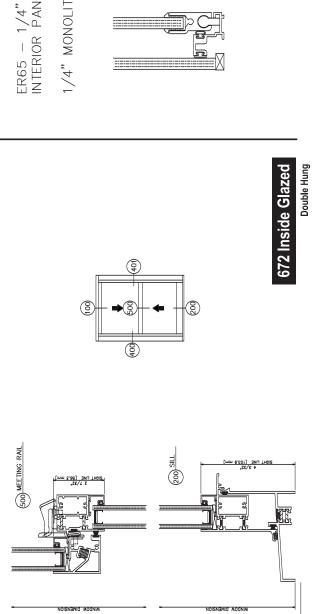


Illustration 3



ER65 — 1/4" 3/4" INSULATED INTERIOR PANEL 1/4" MONOLITHIC 1/4"-1/4" 1/4" MONOLITHIC WITH GRID WITH GRID



(401) RIGHT JAMB

400 RIGHT JAMB

100 HEAD