816 in bronze with large TL lites

816 in Trinar® white with large TL lites

816 in sandstone

COMMERCIAL 800 SERIES

3" Thick **R-25.8**

814 / 816 / 832 / 833 / 832-20 / 833-20 / 850 / 851

The Architects' Choice For the Most Demanding Specifications

The outstanding features and benefits of the Haas 800 Series have made it the door of choice among commercial and industrial architects. The 800 series commercial insulated steel doors feature a full 3" pressure-injected core of high-density CFC-free polyurethane foam insulation with a calculated R-Value of 25.8 – the highest in the commercial door industry. The 800 series is exceptionally strong and is reinforced with roll-formed galvanized steel struts and double-end hinges as required to meet or exceed local wind load specifications. It is the ideal door for locations that require both maximum energy efficiency and durable strength.

816 in Trinar® white

800 QUICK GUIDE

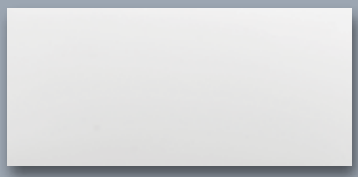
Model	Door Thickness	R-Value*	Max. Door Size		End Stile Type	Section Skins	
			Width	Height		Inside	Outside
814	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
816	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel
832	3″ (76.2mm)	25.8	24′-2″	32′-0″	Steel	26 GA V-Groove Woodgrain Steel	20 GA Flush Smooth Steel
833	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	26 GA V-Groove Woodgrain Steel	20 GA V-Groove Smooth Steel
832-20	3″ (76.2mm)	25.8	24′-2″	32′-0″	Steel	20 GA V-Groove Smooth Steel	20 GA Flush Smooth Steel
833-20	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	20 GA V-Groove Smooth Steel	20 GA V-Groove Smooth Steel
850	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum
851	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum
870	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	26 GA V-Groove Woodgrain Steel	26 GA Ranch Panel Woodgrain Steel
880	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	26 GA V-Groove Woodgrain Steel	26 GA Raised Panel Woodgrain Steel
890	3″ (76.2mm)	25.8	38′-2″	32′-0″	Steel	26 GA V-Groove Woodgrain Steel	26 GA Sculptured Panel Woodgrain Steel

*calculated R-Value

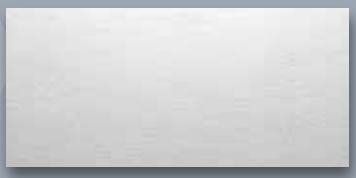
800 DOOR PANELS

Flush Woodgrain
All colors except Cool Black and Bi-Directional Wood Grain colors
Model 814 Window Options: p 31

V-Groove Woodgrain
All colors except Cool Black and Bi-Directional Wood Grain colors
Model 816 Window Options: p 31

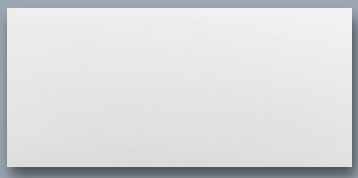


Flush Smooth
Polar White and Brown
Model 832 Window Options: p 31
Model 832-20 Window Options: p 31

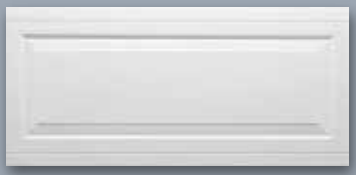


V-Groove Smooth
Polar White and Brown
Model 833 Window Options: p 31
Model 833-20 Window Options: p 31

V-Groove Stucco Aluminum
Trinar® Polar White and Trinar® Almond
Model 850 Window Options: p 31



Flush Stucco Aluminum
Trinar® Polar White and Trinar® Almond
Model 851 Window Options: p 31

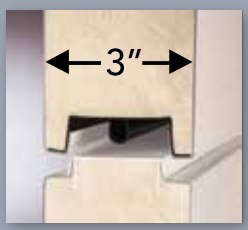


Ranch Woodgrain Panel
All Colors except Cool Black
Model 870 Window Options: p 31

Raised Standard Woodgrain Panel
All Colors except Cool Black
Model 880 Window Options: p 31

Sculptured Raised Woodgrain Panel
All Colors except Cool Black
Model 890 Window Options: p 31

A **Full Thermal Break** is used in the tongue-and-groove construction of all 800 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.



800 series doors include **Air Infiltration Seals**, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

OPTIONS

800 Series Available Options

2" or 3" Track
Double Steel End Stiles
Exhaust Port
Cam Safety Device
Spring Bumpers
Chain Hoist
High Cycle Springs
Glazing (lites)
High Cycle Rollers
Wind Load Rating
*ASTM E 84 Fire Rated
**(No Air Filtration Seal on Fire Rated doors)*

Optional Exhaust Port (interior view)

Wind Load