



DoorWall Systems

DWS-SFD

Technical Data Sheet

DWS-SFD	
Model	Doorwall Systems SFD - Side Folding Door
Maximum Size	Up to 34 feet wide and 20 feet high as a standard (Larger sizes are available upon request)
Configuration options	0+2, 0+3, 0+4, 0+5, 0+6, 0+7, 0+8, 1+1, 1+2, 1+3, 1+4, 1+5, 1+6, 1+7, 2+1, 2+2, 2+3, 2+4, 2+5, 2+6, 3+1, 3+2, 3+3, 3+4, 3+5, 4+0, 4+1, 4+2, 4+3, 4+4, 5+1, 5+2, 5+3, 6+1, 6+2, 7+1 More variations available upon request
Operation	Motorized
Construction	Welded steel frame construction, made of galvanized rectangular hollow section profiles. Overall thickness 1.9 inches, width 2.7 inches. Guide rail at the top, are 5.9 inches made from galvanized steel. Section frames frames are structurally sound, yet narrow to maximize glass areas.
Thermal Efficiency	Doors can be optionally equipped with thermally broken profiles, thermally broken door frames, and thermally broken guiding rails. In combination with the 7-chamber sealing system and insulating glass, the Doorwall Side Folding Door System reaches a U-factor of 0.28 with thermal break or 0.45 without thermal break.
Hinges	Heavy duty 3-piece zinc die-cast hinges with galvanized steel bolt (diameter 0.9 inches). The zinc die-cast guide roller consisting of a carrier roller (diameter 3.15 inches) and two guide rollers (diameter 2.5 inches). All the rollers are mounted on ball bearings and covered with durable PVC material, so that a smooth door action is ensured.
Continuous Glazing	Up to 16.4 feet (For custom projects increases in full glass dimensions are available upon request)
Sealing System	7-chamber highly insulating seal profiles between sections, brush seals with 2 layers of nylon for bottom and top of sections
Color	Standard RAL colors, custom colors available upon request
Sections	
Construction	Sections are made from a welded steel frame structure for maximum stability.
Infills	Glass, metal sheets, wood, sandwich panels (highly insulating material), outside cladding are all available options.
Stability	All fillings are held in place by metal retainers and reinforced with liquid silicone to create a weather-tight seal.



Edges	Welded Edges smoothed and polished for a clear finish. No gaps or
Motorization	
Dimensions & Position	Small motor packages for each 2-panel section positioned on the header directly above door; Covering optional
Type of Motorization	Compact electrical motorization with extension arm; no springs, chains, ropes, counterweights, or whatsoever is needed
Safety Features	
Standard Safety Features	Photo eyes and power shutdown are built into the operator.
Optional Safety features	Light grid, sensing edges, radar detection, and other customized options are available upon request
Optional Features	
Extending Hinges	Door can be equipped with a special set of heavy-duty hinges to move the sections further outside the opening. Thereby the full opening clearance can be used without interference of the sections.
Burglary Protection	Door can be equipped with additional steel sheets on the outside of the door as well as various anchoring and reinforcements. This feature is a preventative measure against intrusion and burglary.
Bottom Track	A bottom track is recommended for maximum stability and to withstand higher wind loads. Doors without bottom track will be guided and fixated by a guiding metal element anchored in the ground.
Heating	In cold conditions, heating elements can be included in the frame, bottom track, gilding rail, and other critical parts to move the door.
Testings & Ratings	
Wind pressure tested	Up to 5000 Pa
Burglary Resistance	Up to RC4
Water penetration	Up to 200 Pa
Air permeability	Class 4
Technical Data	
Interior Projection	7.9 inches (in a closed position)
Sideroom Requirement	6 inches
Headroom requirement	6 inches