Wayne ▉ Dalton™

K-AL

ALUMINUM FULL-VIEW

WHEN VISIBILITY AND LIGHT TRANSMISSION COUNT MOST

Wayne Dalton's K-AL Aluminum Full-View Doors are ideally suited for a variety of commercial applications ranging from car washes and tire stores to store fronts and other buildings where maximum light and visibility are desired. Available in Clear, Bronze and Black anodized or powder coated colors.

The Model K-AL door is sturdy, virtually maintenance free and weather resistant.

- MAXIMIZES LIGHT AND VISIBILITY
- WIDE RANGE OF GLASS OPTIONS
- STANDARD SIZES UP TO 24' WIDE AND 18' HIGH
- OPTIONAL INSULATED RAILS AND STILES AVAILABLE

K-AL

STANDARD FEATURES OVERVIEW

CONSTRUCTION

MAX WIDTH	24' (7,315 mm)
MAX HEIGHT	18' (5,486 mm)
DOOR ASSEMBLY	Stile and rail assembly of aluminum alloy 6063-T6, 2" thick stiles and rails, joined with self tapping screws
RAILS	Top and bottom rails with 3" wide, lower intermediate rail 1-^{3}/$_8$", upper rail 1-^{3}/$_8$", minimum wall thickness 0.062"
STILES	End stiles and center stiles are 3" wide, minimum wall thickness 0.062". Double end stiles are optional or as required by weight
SPRINGS	10,000 cycles
LOCK	Interior mounted slide lock
WEATHERSTRIPPING	Flexible bulb-type strip at bottom section
TRACK	Provide track as recommended by manufacturer to suit loading required and clearances available
MANUAL OPERATION	Pull rope or chain hoist
ELECTRIC MOTOR OPERATION	Provide UL listed electric operator, equal to Genie Commercial Operators, size and type as recommended by manufacturer to move door in either direction at not less than ^{2}/$_3$ foot or more than 1 foot per second

WARRANTY

TERMS	Five (5) year limited

OPTIONS

- Springs: 25,000, 50,000 or 100,000 cycles
- Lock options: Interior mounted slide lock with interlock switch for automatic operator, keyed lock, keyed lock with interlock switch for automatic operator
- Weather stripping: Jamb and header seals
- Insulated rails and stiles for a R-value* of up to 4.25
- Powder coat finish: White, Brown, Black, RAL
- Anodized finishes: Clear, Dark Bronze, Black
- Multiple ^{1}/$_8$", ^{1}/$_4$", ^{1}/$_2$" glass options available

Wayne Dalton participates in the DASMA Thermal Performance Verification Program. The program verifies the thermal performance of sectional doors. The lower the U-factor rating, the better the thermal performance.

Symbol indicates verified U-factor rating in accordance with the DASMA Thermal Performance Verification Program.

www.dasma.com/thermal

Wayne Dalton's Aluminum Full-View Doors are the preferred choice when visibility and light transmission are just as important as aesthetics.

MATERIALS AND CONSTRUCTION

Aluminum Full-View sectional doors are weather-resistant and virtually maintenance free, and are ideal for commercial applications such as service stations, car washes, and auto dealerships. This door is perfectly suited for applications where maximum light and visibility are desired.

FINISH OPTIONS
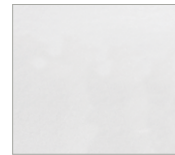
Anodized

Clear (Standard)	Dark Bronze	Black

Powder Coat (optional)

White	Brown	Black

Approximately 200 RAL powder coat finishes also available to complement the exterior colors of a building.
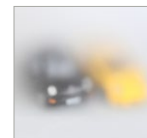
GLASS OPTIONS

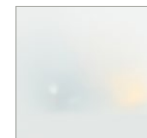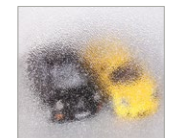| Clear (Standard)	Gray Tinted	Green Tinted	Bronze Tinted

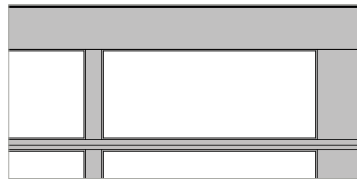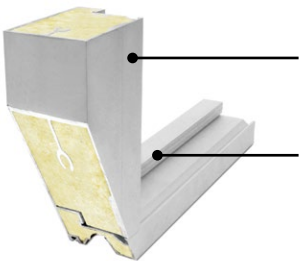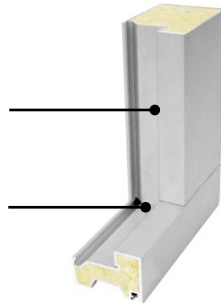| Low E	Satin Etched	White Laminated	Obscure

Light-glass frame

Heavy-glass frame

Polyurethane filled stile

Polyurethane filled rail

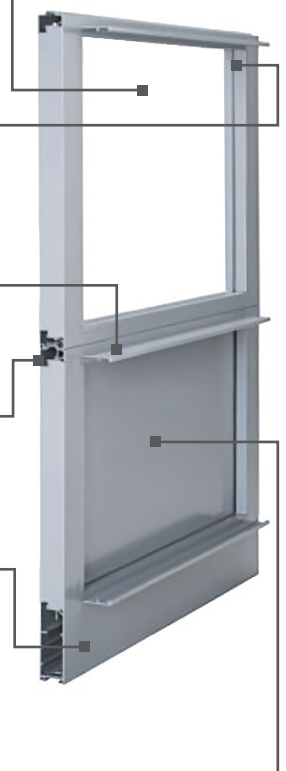**Large glass panels** for maximum light and visibility.

2" thick sections with box-type extrusions.

2-1/4" integral reinforcing fin on large doors.

Vinyl weather seal between sections to minimize air and water infiltration.

6" bottom rail with integral reinforcing fin on doors over 16'2" wide. Optional on narrower doors.

6063T6 aluminum alloy with clear finish.

COMPLETE K-AL	U-FACTOR*	R-VALUE** 10 X 10 DOOR	R-VALUE** 12 X 12 DOOR	R-VALUE** 14 X 14 DOOR
1/2" insulated glass Solar Ban 70XL argon filled (R = 3.125) with polyurethane filled rails and stiles	0.27	4.25	4.18	4.17
1/2" insulated glass Low E (R = 2.38) with polyurethane filled rails and stiles	0.27	3.60	3.52	3.52
1/2" insulated glass (R = 1.75) with polyurethane filled rails and stiles	0.29	3.05	2.96	2.96

*U-factor is independently tested and verified per ANSI/DASMA 105 using doors with full glazing and specific product sizes.
**Wayne Dalton uses a calculated door section R-value for our insulated doors.

GENERAL OPERATING CLEARANCES

TYPE	HEADROOM		SIDEROOM		DEPTH INTO ROOM	CENTER LINE OF SPRINGS	
	2" TRACK	3" TRACK	2" TRACK	3" TRACK	2" AND 3" TRACK	2" TRACK	3" TRACK
Standard Lift Manual 12" R	13"-17"	NA	4.5"	5.5"	Opening Height +18"	Opening Height +12"	N/A
Standard Lift Manual 15" R	15"-20"	16"-21"				Opening Height +13"	Opening Height +14"
Standard Lift Motor Oper. 12" R	15"-20"	NA			Opening Height +66"	Opening Height +12"	N/A
Standard Lift Motor Oper. 15" R	15"-20"	18"-24"				Opening Height +13"	Opening Height +14"
High Lift Manual	High Lift +12"				Opening Height -Lift +30"	Opening Height +Lift +6.5"	Opening Height +Lift +7.5"
High Lift Motor Oper.			24" One Side				
Vertical Lift Manual	Door Height +20"		4.5"	5.5"	18"	Double Door Height +13"	
Vertical Lift Motor Oper.			24" One Side				
Low Headroom Manual	6"-15"	6"-15"	6"	9"	Opening Height +20" to-26"	N/A	
Low Headroom Motor Oper.	9"-17"	9"-17"			Opening Height +66"		

PANEL/SECTION SELECTION GUIDE

DOOR WIDTH	NUMBER OF PANELS
Up to 9'3" W	2
9'4" to 12'3"	3
12'4" to 16'3"	4
16'4" to 20'3"	5
20'4" to 23'7"	6
23'8" to 24'2"	7

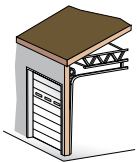| DOOR HEIGHT	NUMBER OF SECTIONS
Up to 8'1"	4
8'2" to 10'1"	5
10'2" to 12'1"	6
12'2" to 14'1"	7
14'2" to 16'1"	8
16'2" to 18'1"	9

NOTES:

1. For low headroom, springs must be rear mount to achieve minimum headroom listed. Front mount torsion headroom depends on drum size, and varies over the range listed. See approval drawing.

2. Side-room of 8" required, one side, for doors with chain hoist.

3. Headroom depends on drum size, and varies over the range listed. See approval drawing.
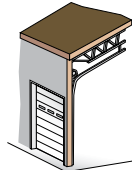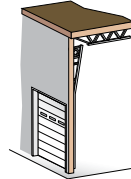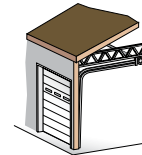
TRACK SELECTION GUIDE

STANDARD LIFT

HIGH LIFT
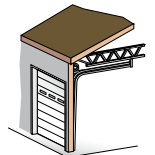break-away is standard, straight incline is available

ROOF PITCH
standard or high lift

VERTICAL LIFT
break-away is standard, straight incline is available

LOW HEADROOM
rear mount torsion

LOW HEADROOM
front mount torsion

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