



Hydraulic Low Rise

The ADVANTAGE™ Hydraulic Line (In-Ground):

Designing hundreds of our ADVANTAGE™ hydraulic elevator packages and installing them all over North America has shown us that this low-rise package is the true powerhouse of its family.

Advantages:

- High value
- Quick lead times
- Robust equipment
- Standard & custom dimensions/interiors available

Equipment Capabilities:

- Passenger and hospital cars
- Capacities from 2,100 - 5,000 lb
- Speeds from 100 FPM to 150 FPM
- Travel range up to 60 ft

ALLIANCE
ELEVATOR SOLUTIONS



HYDRAULIC

The ADVANTAGE™ (In-Ground)

Low Capacity Standard Dimension & Specification Chart

Capacity (lb)	Openings (Front/Rear)	Door Type and Width	Platform Size W x D	Hoistway Size W x D	Clear Inside W x D	Running Clearance Sill/Plat	Sill Depth Required
2100	F	SSSO 36"	6'-0" x 5'-1"	7'-4" x 5'-9"	5'-8" x 4'-3"	1 ¼"	5"
2100	F&R	SSSO 36"	6'-0" x 5'-7 ½"	7'-4" x 6'-8"	5'-8" x 4'-3"	1 ¼"	5"
2500	F	SSSO 42"	7'-0" x 5'-1"	8'-4" x 5'-9"	6'-8" x 4'-3"	1 ¼"	5"
2500	F&R	SSSO 42"	7'-0" x 5'-7 ½"	8'-4" x 6'-8"	6'-8" x 4'-3"	1 ¼"	5"
3000	F	SSSO 42"	7'-0" x 5'-6"	8'-4" x 6'-2"	6'-8" x 4'-6"	1 ¼"	5"
3000	F&R	SSSO 42"	7'-0" x 5'-10 ½"	8'-4" x 6'-11"	6'-8" x 4'-6"	1 ¼"	5"
3500	F	SSSO 42"	7'-0" x 6'-3"	8'-4" x 6'-11"	6'-8" x 5'-5"	1 ¼"	5"
3500	F&R	SSSO 42"	7'-0" x 6'-7 ½"	8'-4" x 7'-8"	6'-8" x 5'-5"	1 ¼"	5"
4000**	F	SSSO 42"	8'-0" x 6'-3"	9'-4" x 6'-11"	7'-8" x 5'-5"	1 ¼"	5"
4000**	F&R	SSSO 42"	8'-0" x 6'-7 ½"	9'-4" x 7'-8"	7'-8" x 5'-5"	1 ¼"	5"
4000H	F	2SSO 48"	6'-0" x 8'-5"	7'-4" x 9'-2 ½"	5'-8" x 7'-5"	1 ¼"	6 ½"
4000H	F&R	2SSO 48"	6'-0" x 9'-0 ½"	7'-4" x 10'-4"	5'-8" x 7'-5"	1 ¼"	6 ½"
4500H	F	2SSO 48"	6'-0" x 8'-9"	7'-4" x 9'-6 ½"	5'-8" x 7'-9"	1 ¼"	6 ½"
4500H	F&R	2SSO 48"	6'-0" x 9'-4 ½"	7'-4" x 10'-9"	5'-8" x 7'-9"	1 ¼"	6 ½"
5000H**	F	2SSO 48"	6'-0" x 9'-8"	7'-6" x 10'-7"	5'-8" x 8'-8"	1 ¼"	6 ½"
5000H**	F&R	2SSO 48"	6'-0" x 10'-4"	7'-6" x 11'-7"	5'-8" x 8'-8"	1 ¼"	6 ½"

OVERHEAD REQUIRED - QUICK CALCULATION

	SINGLE STAGE		
	100 FPM	125 FPM	150 FPM
Pit Depth	4'-0"	4'-0"	4'-0"
Overhead	12'-8"	12'-9"	13'-6"
Top Over Travel	4"	5"	10"
Bottom Over Travel	6"	7"	7"
Travel	13'-10"	13'-7"	24'-2"
Cab Height	8'-0"	8'-0"	8'-0"

*All calculations/dimensions shown are estimates only and are subject to change based on project specifics.

APPROXIMATE CLEAR INSIDE DIMENSIONS OF CAB

Width = 4" less than Platform width

Depth = Front Open Only

- SSSO & CO Doors = Platform Depth Less 10"
- 2SSO Doors = Platform Depth less 11 ½"

Depth = Front & Rear Open

- SSSO & CO Doors = Platform Depth Less 16"
- 2SSO Doors = Platform Depth less 19"

D.B.G. (Distance Between Guides)
Platform Width plus 3 ¼" 12# mils

STANDARD SIZES

- Our standard cab height is 8'
- Our standard pit depth is 4'
- Contact AES for machine room requirements

**Custom sizes. Contact your AES representative for accurate pricing.

Note: Other hoistway sizes can be accommodated. Contact AES team for further information.