



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 service cars
- Capacities from 2,100 - 5,000 lbs
- Speeds from 100 FPM to 150 FPM
- Travel range up to 60 ft

ALLIANCE
ELEVATOR SOLUTIONS



HYDRAULIC

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Low Capacity Standard Dimension & Specification Chart

Capacity (lbs.)	Openings (Front/Rear)	Door Type and Width	Platform Size W x D (min)	Hoistway Depth Platform Plus	Hoistway Size W x D (min)	Clear Inside W x D (min)	Running Clearance Sill/Plat	Sill Depth Required
2100	F	1SP 36"	6'-0" x 5'-1"	9"	7'-4" x 5'-10"	5'-8" x 4'-3"	1"	5"
2100	F&R	1SP 36"	6'-0" x 5'-8"	12"	7'-4" x 6'-8"	5'-8" x 4'-4"	1"	5"
2500	F	1SP 42"	7'-0" x 5'-1"	9"	8'-4" x 5'-10"	6'-8" x 4'-3"	1"	5"
2500	F&R	1SP 42"	7'-0" x 5'-8"	12"	8'-4" x 6'-8"	6'-8" x 4'-4"	1"	5"
3000	F	1SP 42"	7'-0" x 5'-16"	9"	8'-4" x 6'-3"	6'-8" x 4'-8"	1"	5"
3000	F&R	1SP 42"	7'-0" x 5'-11"	12"	8'-4" x 6'-11"	6'-8" x 4'-7"	1"	5"
3500	F	1SP 42"	7'-0" x 6'-3"	9"	8'-4" x 7'-0"	6'-8" x 5'-5"	1"	5"
3500	F&R	1SP 42"	7'-0" x 6'-9"	12"	8'-4" x 7'-9"	6'-8" x 5'-5"	1"	5"
3500H	F	2SP 42"	5'-4" x 8'-4"	11"	6'-8" x 9'-3"	5'-0" x 7'-4"	1"	6 ½"
3500H	F&R	2SP 42"	5'-4" x 9'-0"	15"	6'-8" x 10'-3"	5'-0" x 7'-4"	1"	6 ½"
4000	F	1SP 48"	8'-0" x 6'-3"	9"	9'-4" x 7'-0"	7'-8" x 5'-5"	1"	5"
4000	F&R	1SP 48"	8'-0" x 6'-9"	12"	9'-4" x 7'-9"	7'-8" x 5'-5"	1"	5"
4000H	F	2SP 48"	6'-0" x 8'-5"	11"	7'-4" x 9'-3"	5'-8" x 7'-5"	1"	6 ½"
4000H	F&R	2SP 48"	6'-0" x 9'-1"	15"	7'-4" x 10'-4"	5'-8" x 7'-5"	1"	6 ½"
4500H	F	2SP 48"	6'-0" x 8'-9"	11"	7'-4" x 9'-7"	5'-8" x 7'-9"	1"	6 ½"
4500H	F&R	2SP 48"	6'-0" x 9'-6"	15"	7'-4" x 10'-9"	5'-8" x 7'-10"	1"	6 ½"
5000H	F	2SP 48"	6'-0" x 9'-8"	11"	7'-6" x 10'-7"	5'-8" x 8'-8"	1"	6 ½"
5000H	F&R	2SP 48"	6'-0" x 10'-4"	15"	7'-6" x 11'-7"	5'-8" x 8'-8"	1"	6 ½"

OVERHEAD REQUIRED QUICK CALCULATION

- Regardless of what the travel is, the standard minimum overhead is 12' - 6". Consult your Alliance representative if your overhead is less than 12' - 6".
- For seismic zone 2 or greater application - increase hoistway width 2"
- For 1 ¼" running clearance, increase hoistway depth ½"

APPROXIMATE CLEAR INSIDE DIMENSIONS OF CAB

Width = Platform Width less than 4"

Depth = Front Open Only

SSSO & CO Doors = Platform Depth Less 10"
2SSO Doors = Platform Depth less 12"

Depth = Front & Rear Open

SSSO & CO Doors = Platform Depth Less 16"
2SSO Doors = Platform Depth less 20"

D.B.G. (Distance Between Guides)

Platform Width plus 3 ¼" 12# / 15# rail depth = 3 ½"

Pit Depth	4' - 0"
Piston Bottom Undertravel	12"
Car Speed	Up to 150 FPM
Cab Height	8' - 0"
Piston Top Overtravel	5"



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D.B.G. (Distance Between Guides)

Platform Width plus 3 ¼" 12# / 15# rail depth = 3 ½"

OVERHEAD REQUIRED - QUICK CALCULATION

SINGLE STAGE JACKS

Up to 100 FPM:

Pit Depth = 4'-0"
Overhead = 12'-6"
Top Over Travel = 3.5"
Bottom Over Travel = 5.0"
Max. Travel = 13'-10"
Max. "Overall" Cab Height = 8'-6"

101-125 FPM:

Pit Depth = 4'-0"
Overhead = 12'-6"
Top Over Travel = 4.25"
Bottom Over Travel = 7.25"
Max. Travel = 13'-4"
Max. "Overall" Can Height = 8'-6"

TWO STAGE JACKS

Up to 100 FPM:

Pit Depth = 4'-0"
Overhead = 12'-6"
Top Over Travel = 7.5"
Bottom Over travel = 5.5"
Max. Travel = 24'-4"
Max. "Overall" Cab Height = 8'-2"

101-125 FPM:

Pit Depth = 4'-0"
Overhead = 12'-6"
Top Over Travel = 9.0"
Bottom Over Travel = 7.0"
Max. Travel = 24'-4"
Max. "Overall" Cab Height = 8'-2"