

QUICK PLANNING GUIDE

Key information to reserve space
and select the right model.

Capacity (max)	500 lb (227 kg)
Car Size (W x D x H)	___ x ___ x ___
Loading	Counter / Floor
Configuration	S1 / S2
Number of Stops	___
Total Travel (max)	35 ft (drum drive)
Hoistway (W x D)	___ x ___

Pit (min)	___
Overhead (min)	___
Landing Door	Swing / Bi-Parting / Slide-Up
Fire Rating	Non-Fire / ___ hr
Hoistway Type	Conventional / SSH / SSP
Machine Area	Left / Right / Rear / Other
Power	208V 3 ϕ (Std) / 240V 1 ϕ (Opt)
Finish	SS / Galvanized / Painted

IMPORTANT

DO NOT CONSTRUCT THE HOISTWAY FROM THIS PLANNING GUIDE.

FINAL HOISTWAY, STRUCTURAL, DOOR, PIT, OVERHEAD AND MACHINE-AREA DIMENSIONS SHALL BE BASED ON APPROVED PROJECT-SPECIFIC SHOP DRAWINGS.

HOW TO SELECT YOUR DUMBWAITER



MODEL NUMBER DECODER

LD-S1-CL-20 20 24

Example: LD-S1-CL-202024

Code	Meaning
LD	Light Duty (≤ 150 lb)
HD	Heavy Duty (200–500 lb)
S1	Same-Side Loading
S2	Opposite-Side Loading
CL	Counter Loading
FL	Floor Loading
20 20 24	Cab Width x Depth x Height (inches)

CAPACITY & VOLUME

Model	Rated Capacity (lb / kg)	Max. Internal Car Volume (ft ³ / m ³)
LD	150 / 68	10 ft ³ / 0.283 m ³
HD	500 / 227	35.3 ft ³ / 1.0 m ³

Maximum capacity is 500 lb (227 kg) for all HD models.
Cubic volume = maximum internal car volume (not just size).

MAXIMUM TRAVEL



Drum Drive System

41 ft (12.5 m)
maximum travel

Max travel for 500lbs (227kg) is 35ft

TRACTION DRIVE SYSTEM
(contact CITI for details)

DIMENSIONS EXPLAINED



A = Cab Width
B = Cab Depth
C = Hoistway Depth
D = Hoistway Width
OH = Overhead
PH = Pit Depth
LH = Loading Height

FINISHED HOISTWAY DIMENSIONS
(Not for construction)

AVAILABLE CONFIGURATIONS



S1

Same Side
Loading



S2

Opposite Side
Loading



CL

Counter
Loading



FL

Floor
Loading

CAB & DOOR FINISHES



Stainless
Steel



Galvanized
Steel



Painted
Steel



ELECTRICAL REQUIREMENTS

Main Power (Std)	208 V, 3 Phase
Main Power (Opt)	240 V, 1 Phase
Frequency	60 Hz
Controller	PLC / VFD
Disconnect	By Others
Cab Lighting	120 V



STRUCTURAL SUPPORT

- Rail bracket attachment points
- Reaction loads (by project)
- Machine support (by project)
- Structural support designed/verified by structural engineer

Final reaction loads and support details shall be provided on project-specific shop drawings.



MACHINE AREA

- Location: Left / Right / Rear / Other
- Ventilation (as required)
- Access for maintenance
- Electrical disconnect
- Controller location
- Lighting / receptacle



FIRE RATED DOORS

- Every opening requires a door
- Fire rated door types (per project)
- Door wall attachment (per project)
- Interlocks (required)

Fire rating requirements are project and code dependent. Refer to local building codes and project specifications.



PRELIMINARY PLANNING DIMENSIONS ONLY — NOT FOR CONSTRUCTION.

Final dimensions shall be confirmed by project-specific approved shop drawings.