



KONE MONOSPACE[®] 500

CONFIGURATIONS & DIMENSIONS

Max Travel⁽⁸⁾
150 ft. (45.7 m)

Speed⁽⁸⁾
150, 200, 350 fpm
(.75, 1.0, 1.78 m/s)

Car Height^F
8, 9 or 10 ft.
(2438, 2743 or 3048 mm)

Entrance Height^G
7, 8 or 9 ft.
(2134, 2438 or 2743 mm)

Max Landings⁽⁸⁾
15

| | | A | A SEISMIC | B | B SEISMIC | C | D | E | | | |
|-------------------------|-----------|------------------------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------------|---|
| | | CAPACITY LBS. (kg) | OPENING TYPE (mm) | HOISTWAY WIDTH (mm) | HOISTWAY WIDTH (mm) | HOISTWAY DEPTH (mm) | HOISTWAY DEPTH (mm) | INTERIOR WIDTH (mm) | INTERIOR DEPTH (mm) | DOOR WIDTH (mm) | STRETCHER ACCOMMODATION ⁽⁹⁾ |
| Front Opening | PASSENGER | 2000 (907) | SSP | 7'-6" (2286) | 7'-11" (2413) | 5'-9" (1753) | 5'-9 1/2" (1766) | 5'-8 3/4" (1750) | 4'-4 2/64" (1332) | 3'-0" (914) | No |
| | | 2500 (1134) | SSP-CO | 8'-6" (2591) | 8'-11" (2718) | 5'-9" (1753) | 5'-9 1/2" (1766) | 6'-8 29/32" (2055) | 4'-4 2/64" (1332) | 3'-6" (1067) | No |
| | | 2500 IBC (1134) ⁽¹⁰⁾ | SSP | 8'-11" (2718) | 9'-5" (2870) | 5'-9" (1753) | 5'-9 1/2" (1766) | 6'-11 47/64" (2127) | 4'-4 2/64" (1332) | 3'-6" (1067) | Yes |
| | | 3000 (1361) | SSP-CO | 8'-6" (2591) | 8'-9" (2667) | 6'-3" (1905) | 6'-3 1/2" (1918) | 6'-5 19/32" (1971) | 5'-0 29/64" (1536) | 3'-6" (1067) | No |
| | | 3500 (1588) | SSP-CO | 8'-6" (2591) | 8'-9" (2667) | 6'-11" (2108) | 6'-11" (2108) | 6'-5 19/32" (1971) | 5'-6 3/8" (1693) | 3'-6" (1067) | Yes |
| 4000 (1814) | CO | 9'-8" (2947) | 9'-8" (2947) | 6'-11" (2108) | 6'-11" (2108) | 7'-6 45/64" (2304) | 5'-6 3/8" (1693) | 4'-0" (1219) | Yes | | |
| Front & Reverse Opening | SERVICE | 4000 (1814) | 2SP | 7'-8" (2337) | 7'-8" (2337) | 9'-2" (2794) | 9'-2" (2794) | 5'-7 3/32" (1704) | 7'-7 29/32" (2335) | 4'-0" (1219) | Yes |
| | | 4500 (2041) | 2SP | 7'-8" (2337) | 7'-8" (2337) | 9'-8" (2946) | 9'-8" (2946) | 5'-7 3/32" (1704) | 8'-1 13/16" (2485) | 4'-0" (1219) | Yes |
| | | 5000 (2268) ⁽⁹⁾ | 2SP | 7'-10" (2388) | 7'-10" (2388) | 10'-2 1/2" (3112) | 10'-2 1/2" (3112) | 5'-7 3/32" (1704) | 8'-9 23/32" (2684) | 4'-6" (1372) ⁽⁹⁾ | Yes |
| | | 5000 AIA (2268) | 2SP | 7'-10 3/16" (2396) | 7'-11 1/2" (2426) | 10'-5 1/16" (3177) | 10'-5 1/16" (3177) | 5'-9 13/32" (1763) | 9'-0 1/16" (2755) | 4'-6" (1372) ⁽⁹⁾ | Yes |
| | | 2000 (907) | SSP | 7'-6" (2286) | 7'-11" (2413) | 6'-3 3/4" (1924) | 6'-3 3/4" (1924) | 5'-8 3/4" (1750) | 4'-4 2/64" (1332) | 3'-0" (914) | No |
| Front & Reverse Opening | PASSENGER | 2500 (1134) | SSP-CO | 8'-6" (2591) | 8'-11" (2718) | 6'-3 3/4" (1924) | 6'-3 3/4" (1924) | 6'-8 29/32" (2055) | 4'-4 2/64" (1332) | 3'-6" (1067) | No |
| | | 2500 IBC (1134) ⁽⁵⁾⁽¹⁰⁾ | SSP | 8'-11" (2718) | 9'-5" (2870) | 6'-3 3/4" (1924) | 6'-3 3/4" (1924) | 6'-11 47/64" (2127) | 4'-4 2/64" (1332) | 3'-6" (1067) | Yes |
| | | 3000 (1361) | SSP-CO | 8'-6" (2591) | 8'-9" (2667) | 6'-11 3/4" (2127) | 6'-11 3/4" (2127) | 6'-5 19/32" (1971) | 5'-0 29/64" (1536) | 3'-6" (1067) | No |
| | | 3500 (1588) ⁽¹⁰⁾ | SSP-CO | 8'-6" (2591) | 8'-9" (2667) | 7'-6" (2286) | 7'-6" (2286) | 6'-5 19/32" (1971) | 5'-6 3/8" (1693) | 3'-6" (1067) | Yes* |
| | | 4000 (1814) | CO | 9'-8" (2947) | 9'-8" (2947) | 7'-6" (2286) | 7'-6" (2286) | 7'-6 45/64" (2304) | 5'-6 3/8" (1693) | 4'-0" (1219) | Yes |
| Front & Reverse Opening | SERVICE | 4000 (1814) | 2SP | 7'-8" (2337) | 7'-8" (2337) | 10'-2 1/8" (3102) | 10'-2 1/8" (3102) | 5'-7 3/32" (1704) | 7'-7 29/32" (2335) | 4'-0" (1219) | Yes |
| | | 4500 (2041) | 2SP | 7'-8" (2337) | 7'-8" (2337) | 10'-8 1/16" (3252) | 10'-8 1/16" (3252) | 5'-7 3/32" (1704) | 8'-1 13/16" (2485) | 4'-0" (1219) | Yes |
| | | 5000 (2268) ⁽⁹⁾ | 2SP | 7'-10" (2388) | 7'-10" (2388) | 11'-3 7/8" (3451) | 11'-3 7/8" (3451) | 5'-7 3/32" (1704) | 8'-9 23/32" (2684) | 4'-6" (1372) ⁽⁹⁾ | Yes |
| | | 5000 AIA (2268) | 2SP | 7'-10 3/16" (2396) | 7'-11 1/2" (2426) | 11'-6 11/16" (3522) | 11'-6 11/16" (3522) | 5'-9 13/32" (1763) | 9'-0 1/16" (2755) | 4'-6" (1372) ⁽⁹⁾ | Yes |
| | | 2000 (907) | SSP | 7'-6" (2286) | 7'-11" (2413) | 6'-3 3/4" (1924) | 6'-3 3/4" (1924) | 5'-8 3/4" (1750) | 4'-4 2/64" (1332) | 3'-0" (914) | No |

Visit kone.us for the latest project-specific details, CAD drawings, BIM models, CSI specifications, electrical data, reaction loads and building access requirements.

| CLEAR OVERHEAD ^H AND PIT DEPTH ^I | | | | | | | |
|--|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|--|
| | | 150 FPM (0.75 M/S) | | 200 FPM (1.00 M/S) | | 350 FPM (1.78 M/S) | |
| CAPACITY LBS. (kg) | PIT DEPTH (mm) | CLEAR OVERHD (mm) | PIT DEPTH (mm) | CLEAR OVERHD (mm) | PIT DEPTH (mm) | CLEAR OVERHD (mm) | |
| 2000 to 2500 (907 to 1134) | 5'-0" (1524) | 13'-0" (3962) | 5'-0" (1524) | 13'-4" (3988) | 5'-6" (1676) | 13'-6" (4115) | |
| 3000 to 3500 (1361 to 1588) | 5'-0" (1524) | 13'-0" (3962) | 5'-0" (1524) | 13'-4" (3988) | 5'-6" (1676) | 13'-6" (4115) | |
| 4000 to 5000 AIA (1814 to 2268) | 5'-0" (1524) | 13'-8" (4166) | 5'-0" (1524) | 13'-8" (4166) | 5'-6" (1676) | 13'-8" (4166) | |

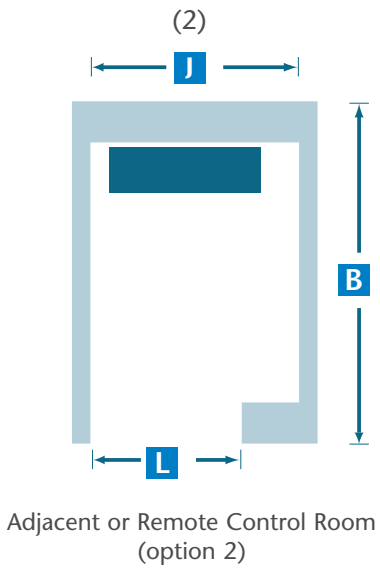
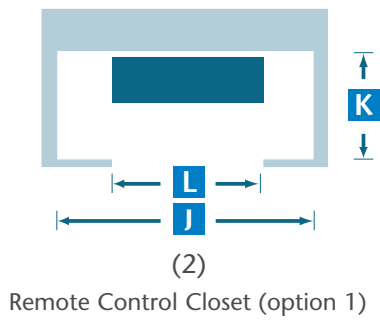
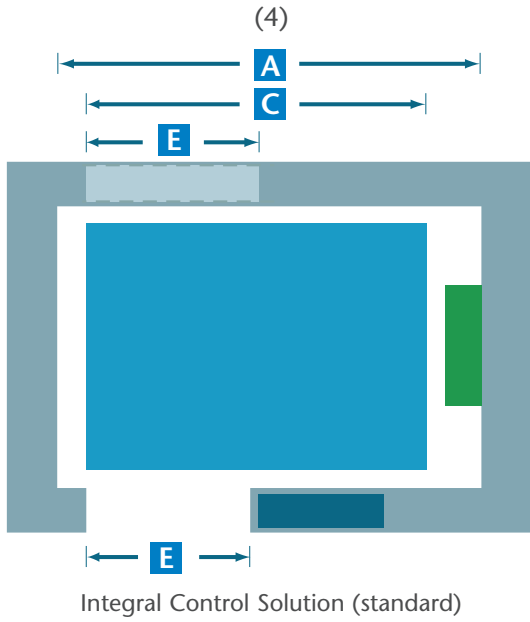
| CONTROL SPACE | | J | K | L |
|-----------------------------------|-------------------------|-----------------|----------------|--------------------|
| CAPACITY LBS. (kg) | CONTROLLER SPACE | WIDTH (mm) | DEPTH (mm) | DOOR WIDTH (mm) |
| 2000 to 5000 AIA (907 to 2268) | remote closet | 4'-0" (1219) | 1'-8" (508) | 3'-6" (1067) |
| 2000 to 5000 AIA (907 to 2268) | adjacent or remote room | 5'-0" (1524) | dimension (B) | 3'-0" (914) |

Notes

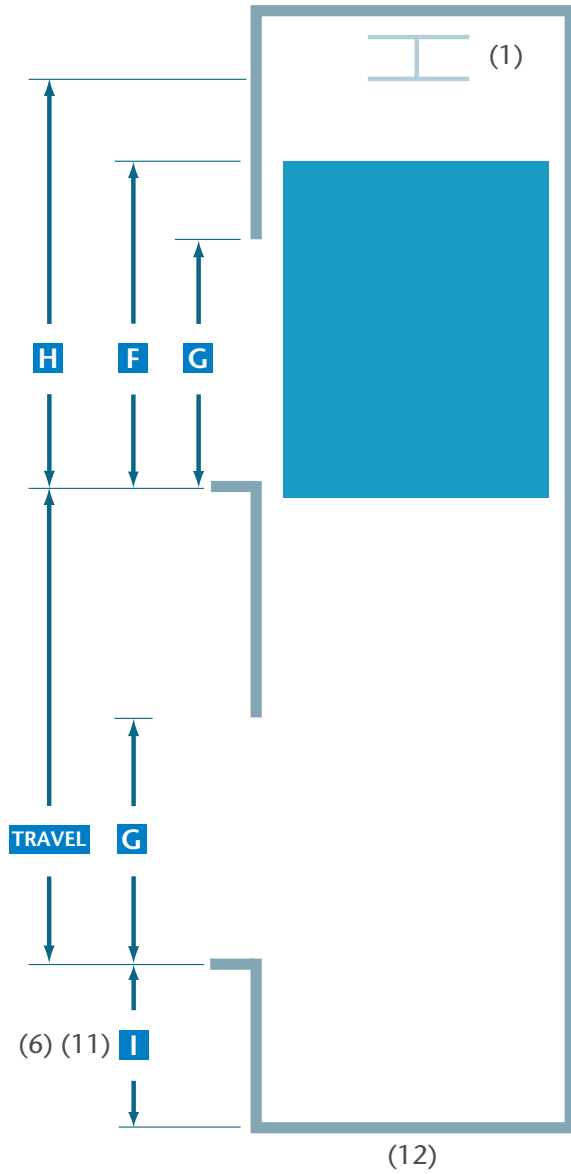
- (1) A hoist beam (by KONE) is required for installation (by others). Dimension **H** reflects clear under hoist beam.
- (2) If an Emergency Battery Device (EBD) is required, please contact your KONE Sales Professional for further detail regarding dimensions **H**, **J**, and **L**.
- (3) The published **A** hoistway dimension represents the optimum clear inside requirements and maybe reduced by up to 2" (51mm). However, this may result in construction inefficiencies.
- (4) The published interior width **C** and depth **D** dimensions represent the minimum clear inside requirements without raised panels. For interior width **C** and depth **D** dimensions with raised panels please contact a KONE Sales Professional.
- (5) 2500 LB. IBC reverse opening must be diagonally opposed. For all other front and reverse opening configurations, hoistway width **A** is valid for directly opposed openings only. If diagonally opposed openings are required, please contact your KONE Sales Professional.
- (6) The published minimum pit depth **I** dimension is based upon slide guides. For minimum pit depth **I** with roller guides please contact a KONE Sales Professional.
- (7) All dimensions are based on an 8'-0" (2438 mm) cab with a 7'-0" (2134 mm) door. Alternate car and door heights are available, but will affect dimension **H**.
- (8) 150 fpm (.75 m/s) only available up to 85 ft. (25 m) of travel and 10 landings. 200 fpm (1.00 m/s) available up to 100 ft. (30.5 m) of travel and 12 landings.
- (9) 4'-0" (1219 mm) door width also available.
- (10) Stretcher accessibility based on international building code (IBC) and California Building Code specified, 24 inch by 84 inch stretcher — with 5-degree radius corners. Elevator car must utilize a side slide door with the exception of the 4000 LB. passenger shaped car. In Canada (NBCC) 2500 LB. and larger elevators with single slide doors meet Canadian stretcher rule of 2010mm x 610mm.

*3,500 LB. Front / reverse elevators needs to have diagonal opposed doors and a wider hoistway width of 8'-9" (8'-11" if seismic) to accommodate a stretcher. Please contact a KONE Sales Professional for more information.

Plan views



Section view



Notes, continued:

Please consult a KONE Sales Professional regarding:

- (11) Pit depths less than 5'-0" (1524 mm).
- (12) Occupied space beneath the hoistway.
- (13) Local code variations when utilizing the integrated, integral and remote closet options.