

Geared Machine Room Less (MRL)
Electric Traction Lifts



General Specifications

| Rated load | kg | 320 | 450 | 630 | 800 | 1000 |
|---|----------|--|----------|----------|-------|-------|
| Rated speed | m/s | 1m/s | | | | |
| Car internal dimensions | | Check the design dimensions | | | | |
| Type of doors | | 2 or 3 panels side-opening doors and 2 or 4 panels centre-opening doors | | | | |
| Clear door opening | mm | 700 – 800 – 900 – 1000 – 1100 | | | | |
| Car entrances | | 1 entrance, 2 entrances at 180°, 2 entrances at 90° (for loads up to 630 kg) | | | | |
| Maximum stops / entrances | | 32 | | | | |
| Maximum car travel | m | 50 | | | | |
| Type of hoist machine | | 2V / V3F | 2V / V3F | 2V / V3F | V3F | V3F |
| Hoist machine model | | O-140 | | | | |
| Motor power | kW (2V) | 3 | 4 | 5.5 | 10.6 | 10.6 |
| | kW (V3F) | 4 | 4 | 5.5 | 10.6 | 10.6 |
| Number of ropes | | 4 ∅ 8 | 5 ∅ 8 | 6 ∅ 8 | 6 ∅ 8 | 6 ∅ 8 |
| Car guiderails | | T-120 | T-120 | T-120 | T-125 | T-125 |
| Counterweight guiderails | | T-70 | T-70 | T-70 | T-70 | T-70 |
| Counterweight guiderails (with safety gear) | | T-90 | T-90 | T-90 | T-90 | T-90 |
| Roping | | 1:1 | 1:1 | 1:1 | 2:1 | 2:1 |

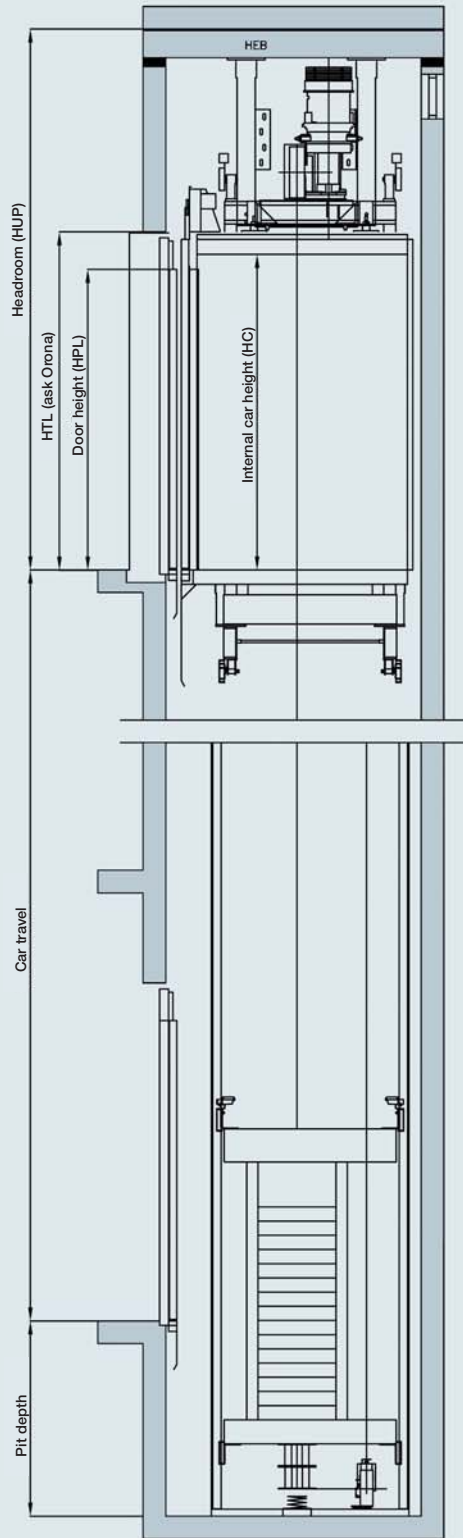
Design dimensions for side-opening doors, centre-opening doors, with side counterweight

| Persons | Rated Load | Doors Size | | | Car internal | | | Recommended Shaft Size | | | Headroom height | Pit depth |
|---------|------------|------------|------|------|--------------------|----------|--------|------------------------|---------|-----------------|-----------------|-----------|
| | | | | | Width | Depth | Height | Width | Depth | | | |
| | | (mm) | (mm) | (mm) | | | | | 1 entr. | 2 entr. at 180° | | |
| | | kg | Q | Type | (mm) Clear opening | (mm) HPL | AC | FC | HC | (mm) | | |
| | | | | | | | AH | FH | FH | HUP | Pit depth | |
| 4 | 320 | TT | 700 | 2000 | 800 | 1100 | 2100 | 1425 | 1500 | – | 3600 | 1200 |
| | | | | | 825 | 1100 | | 1425 | 1500 | – | | |
| | | | | | 830 | 1100 | | 1430 | 1500 | – | | |
| | | CC | 700 | 2000 | 800 | 1100 | 1685 | 1430 | – | | | |
| | | | | | 825 | 1100 | 1685 | 1430 | – | | | |
| | | | | | 830 | 1100 | 1685 | 1430 | – | | | |
| 6 | 450 | TT | 800 | 2000 | 900 | 1350 | 2100 | 1525 | 1750 | 1910 | 3600 | 1200 |
| | | | | | 925 | 1300 | | 1525 | 1700 | 1860 | | |
| | | | | | 950 | 1250 | | 1550 | 1650 | 1810 | | |
| | | | | | 975 | 1250 | | 1575 | 1650 | 1810 | | |
| | | | | | 1000 | 1250 | | 1600 | 1650 | 1810 | | |
| | | | | | 1000 | 1200 | | 1600 | 1600 | 1760 | | |
| | | | 900 | 2000 | 1000 | 1250 | | 1625 | 1650 | 1810 | | |
| | | | | | 1000 | 1200 | | 1625 | 1600 | 1760 | | |
| | | | | | 1000 | 1250 | | 1625 | 1650 | 1810 | | |
| | | | | | 1000 | 1200 | | 1625 | 1600 | 1760 | | |
| | | | | | 900 | 1350 | | 1840 | 1680 | 1765 | | |
| | | | | | 925 | 1300 | | 1840 | 1630 | 1715 | | |
| | | CC | 800 | 2000 | 950 | 1250 | 1840 | 1580 | 1665 | | | |
| | | | | | 975 | 1250 | 1840 | 1580 | 1665 | | | |
| | | | | | 1000 | 1250 | 1840 | 1580 | 1665 | | | |
| | | | | | 1000 | 1200 | 1840 | 1530 | 1615 | | | |
| | | | | | 1000 | 1250 | 1990 | 1580 | 1665 | | | |
| | | | | | 1000 | 1200 | 1990 | 1530 | 1615 | | | |
| | | | 900 | 2000 | 1000 | 1250 | 1990 | 1580 | 1665 | | | |
| | | | | | 1000 | 1200 | 1990 | 1530 | 1615 | | | |
| | | | | | 925 | 1700 | 1525 | 2100 | 2260 | | | |
| | | | | | 950 | 1650 | 1550 | 2050 | 2210 | | | |
| | | | | | 975 | 1600 | 1575 | 2000 | 2160 | | | |
| | | | | | 1000 | 1550 | 1600 | 1950 | 2110 | | | |
| 8 | 630 | TT | 800 | 2000 | 1050 | 1450 | 2100 | 1650 | 1850 | 2010 | 3600 | 1200 |
| | | | | | 1100 | 1400 | | 1700 | 1800 | 1960 | | |
| | | | | | 1000 | 1550 | | 1625 | 1950 | 2110 | | |
| | | | | | 1050 | 1450 | | 1650 | 1850 | 2010 | | |
| | | | | | 1100 | 1400 | | 1700 | 1800 | 1960 | | |
| | | | | | 925 | 1700 | | 1840 | 2030 | 2115 | | |
| | | 900 | 2000 | 950 | 1650 | 1840 | | 1980 | 2065 | | | |
| | | | | 975 | 1600 | 1840 | | 1930 | 2015 | | | |
| | | | | 1000 | 1550 | 1840 | | 1880 | 1965 | | | |
| | | | | 1050 | 1450 | 1840 | | 1780 | 1865 | | | |
| | | | | 1100 | 1400 | 1840 | | 1730 | 1815 | | | |
| | | | | 1000 | 1550 | 1990 | | 1830 | 1965 | | | |
| 10 | 800 | TT | 800 | 2000 | 1050 | 1450 | 2100 | 1990 | 1780 | 1865 | 3650 | 1250 |
| | | | | | 1100 | 1400 | | 1990 | 1730 | 1815 | | |
| | | | | | 1000 | 1550 | | 1990 | 1730 | 1815 | | |
| | | | | | 1050 | 1450 | | 1620 | 2300 | 2460 | | |
| | | | | | 1100 | 1400 | | 1670 | 2200 | 2360 | | |
| | | | | | 1000 | 1550 | | 1720 | 2100 | 2260 | | |
| | | 900 | 2000 | 1050 | 1800 | 1620 | | 2300 | 2460 | | | |
| | | | | 1100 | 1700 | 1670 | | 2200 | 2360 | | | |
| | | | | 1000 | 1900 | 1840 | | 2230 | 2315 | | | |
| | | | | 1050 | 1800 | 1840 | | 2130 | 2215 | | | |
| | | | | 1100 | 1700 | 1840 | | 2030 | 2115 | | | |
| | | | | 1000 | 1900 | 1990 | | 2230 | 2315 | | | |
| 13 | 1000 | TT | 900 | 2000 | 1050 | 1800 | 2100 | 1990 | 2130 | 2215 | 3650 | 1250 |
| | | | | | 1100 | 1700 | | 1990 | 2130 | 2215 | | |
| | | | | | 1000 | 1900 | | 1990 | 2030 | 2115 | | |
| | | | | | 1050 | 1800 | | 1715 | 2500 | 2660 | | |
| | | | | | 1100 | 1700 | | 1765 | 2400 | 2560 | | |
| | | | | | 1200 | 1900 | | 1815 | 2300 | 2460 | | |
| | | 900 | 2000 | 1250 | 1800 | 1865 | | 2200 | 2360 | | | |
| | | | | 1300 | 1750 | 1915 | | 2150 | 2310 | | | |
| | | | | 1350 | 1700 | 1965 | | 2100 | 2260 | | | |
| | | | | 1100 | 2100 | 1990 | | 2430 | 2515 | | | |
| | | | | 1150 | 2000 | 1990 | | 2330 | 2415 | | | |
| | | | | 1200 | 1900 | 1990 | | 2230 | 2315 | | | |
| CC | 900 | 2000 | 1250 | 1800 | 1990 | 2130 | 2215 | | | | | |
| | | | 1300 | 1750 | 1990 | 2130 | 2215 | | | | | |
| | | | 1350 | 1700 | 1990 | 2130 | 2215 | | | | | |
| | | | 1100 | 2100 | 1990 | 2130 | 2215 | | | | | |
| | | | 1150 | 2000 | 1990 | 2130 | 2215 | | | | | |
| | | | 1200 | 1900 | 1990 | 2130 | 2215 | | | | | |

Note: DOORS RESTING
- Landing doors resting completely inside the shaft.

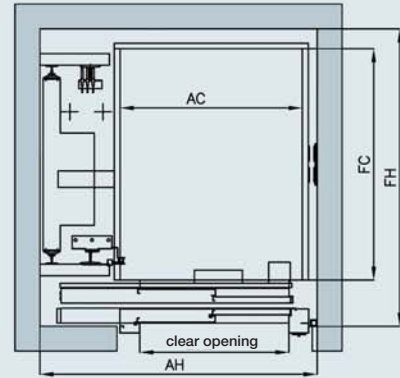
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Shaft side view

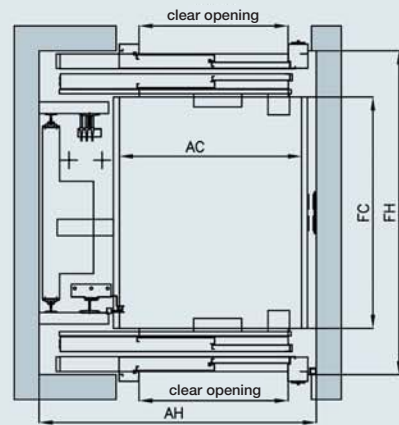


Vertical shaft section

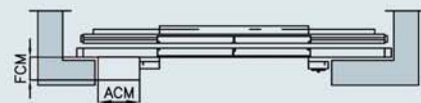
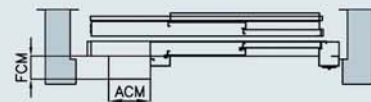
Plan view of shaft



Horizontal section,
TT doors, 1 entrance



Horizontal section,
TT doors, 2 entrances at 180°



| ACM (mm) | FCM (mm) |
|----------|----------|
| 277 | 152 |

Main controller on last floor door entrance