



Model Type	Load	CW	CD	CH	SW	SD	Headroom
100.45/4	100 kg	710	820	800	1000	1000	2600

CD = Car Depth DW = Door Width SD = Shaft Depth SL = Serving Level
 CW = Car Width DH = Door Height SW = Shaft Width CH = Car Height

NOTE

- Rated Speed 0.45 m/s.
- All data subject to change without prior notice please contact Niche Lifts for latest information.

LIST OF BUILDERS WORK.

- Form trimmed hole through floor to size given. In the case of multi-floor installations each hole must be plumb, one above the other.
- Prepare, level and finish the pit floor at the lowest level served to receive the lift structure.
- Provide and fix enclosure work after erection of lift to form totally enclosed lift shaft to comply with any requirements of any local and fire authority regulations. All enclosure materials must be incombustible.
- On existing lift shafts the entrance wall must be left out from floor to ceiling by full width of shaft.
- A safe machine room access has to be ensured. Ladders are only admissible when the sill of the inspection door is not more than 2.7metres above floor level. Also around the ladder, within a horizontal distance of 1.5 metres, there must be clear solid ground to avoid the risk of falling by more than the height of the ladder. A clear area of at least 700mm D x 600mm W is required in front of the sill access door.
- All shown dimensions for heights are based on finished floor to floor heights.
- Shaft ventilation to be in accordance with local authority requirements. The machine room temperature must be maintained between 5 and 40 degrees C
- Provide electrical supply for the machine room, positioned on the outside of machine room shaft wall. In the absence of a shaft wall, it must be positioned within a maximum distance of 1 metre from machine room identification labels must be affixed.
 - Provide and fit a triple pole & neutral switchfuse (lockable in OFF position) to suit 0.73 KW motor, 8.7 Amp starting current, 2.9 Amp running current. Drill a 20mm dia. hole through the back of the box and through lift shaft wall into the motor room.
 - Provide and fit a 13 Amp fused spur (switched) adjacent to the above and connected to the input side of (a). Drill a 20mm hole through the back of the box and through the lift shaft wall into the motor room.
- Provide clear access from road to lift shaft for largest item of equipment : 1400mm wide x 1400mm deep x 1600mm high.
- The illumination (either artificial or natural) in the area surrounding the lift entrance should be a minimum of 50 lux.
- Provide temporary guarding around lift shaft to give a minimum of 1.5 metres clear working space around perimeter of shaft.
- Provide scaffold boards to form working platforms, at minimum of 2.5 metres vertical centres. 3 OFF boards reqd.
- Provide ladders as required by lift installers.

ERECTORS PLEASE NOTE! THIS LIFT IS SUITABLE FOR A MAXIMUM TRAVEL OF 4000MM, IF THE TRAVEL DIMENSION ON SITE IS LESS THAN 4000MM THE GUIDES/CORNER ANGLES MUST BE CUT TO THE CORRECT LENGTH PRIOR TO INSTALLATION.

NOTE! LIFT CAN NOT BE INSTALLED UNLESS ENTRANCE WALL IS LEFT FULLY OUT!

NOTE. PROVISION MUST BE MADE BY THE BUILDER TO ALLOW THE LIFT ERECTOR TO FIX THE LIFT STRUCTURE TO THE BUILDING AT ITS BASE, AT MID FLOOR LEVEL, & AT THE TOP OF THE STRUCTURE, TO PREVENT HORIZONTAL MOVEMENT.

NOTE:- IF ACCESSIBLE SPACE EXISTS BENEATH THE LIFT SHAFT THEN SAFETY GEAR SHOULD BE FITTED TO COMPLY WITH EN81-PART 3.

NOTE! THE FLOOR OF THE LIFT SHAFT MUST BE ABLE TO WITHSTAND THE FOLLOWING LOADINGS:-

- DEAD LOAD ON FLOOR SLAB DUE TO ENTIRE LIFT, LOAD & STRUCTURE = 11KN
- ADDITIONAL LOAD DUE TO LIFT CAR BUFFERING AT CONTRACT SPEED = 8KN
- KINETIC ENERGY DISPERSED ON IMPACT DUE TO LIFT CAR FALLING FROM HIGHEST POINT = 8KJ

BY	DATE	ISSUE	MODIFICATION	CHECKED

Niche "Off the shelf 100" Service Lift
 (Issued for information only)

NICHE LIFTS Ltd		DRAWN BY	DATE	CHECKED	SCALE
Do not scale this drawing. All dimensions in millimetres		TMP	12/2/04	FWP	1:25
DRAWING NUMBER		1007/A			