

Handy Mobile access tower

Holder/Manufacturer/Supplier**Custers Hydraulica B.V**

Postbus 22, NL-5800 AA Venray, Netherlands

Product name

Custers Handy 70/130

Product description

As described in pages 2-5 of this certificate. Technical documentation in accordance with the material supplied for RISE, file reference 8P00776.

Requirements

The Swedish Work Environment Authority's Statute Book AFS 2013:4 Scaffolding, 10 § (RISE certification rules SPCR 064) and SS-EN 1004:2005.

Permissible load

Load class 3 (2.0 kN/m²), in accordance with the product description.

Marking

The main components of the mobile access tower shall be permanently marked with "CUSTERS" and the year of manufacture (2 digits). A sign readable from ground level must show the type certificate number (14 51 01), RISE type examination mark, designation and text in accordance with SS-EN 1004 and the name of manufacturer/supplier/holder.

Validity

This type examination certificate is valid not later 2029-09-26.

Miscellaneous

RISE carries out annual checks of type-examined scaffolding components under section 5 of SPCR 064. This type examination certificate replaces prior certificate with the same number. The certificate was originally issued 1996-04-15 by SP Technical Research Institute of Sweden, who during 2017 has changed its name to RISE Research Institutes of Sweden AB.



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Product description for mobile access tower Handy 70/130

Design

The mobile access tower consists of ladder frames with a c-distance of 700/1300 mm between the standards, platforms in three lengths (1.78 m, 2.50 m and 3.05 m, with or without trap door), horizontal- and diagonal braces, stabilizers/outriggers, inclined ladder, toe boards and wheels.

Every height section of the mobile access tower is 2.0 m high and consists of ladder frames, diagonal- and horizontal braces alternatively platform with horizontal braces as guardrails. The top level has specific side protections 700/1300 mm for gables, but horizontal braces are used as guardrails along the sides. Stabilizers or outriggers and ballast weights are used as specified below. Ladder frames or inclined ladder are used as means to access. The mobile access tower can be erected in different combinations of width, length and height.

Component	Size (m)	Item number (9501.xxx.xxx)
Ladder frame, 8 steps	2.00×1.30	200.010
	2.00×0.70	200.012
Side protection	1.30	200.120
	0.70	200.122
Platform	1.78	310.010
	2.50	310.020
	3.05	310.030
Platform with trap door	1.78	310.015
	2.50	310.025
	3.05	310.035
Horizontal	1.78	200.058
	2.50	200.030
	3.05	200.040
Diagonal	1.78	200.043
	2.50	200.056
	3.05	902.056
Outriggare	Small	460.010
	Large	470.010
Stabilizer	Small	410.100
	Large	420.100
Swivel wheel	Rubber	510.010
	Polyamide	510.050
Base plate		520.010
Toe board	0.70	200.092
	1.30	200.090
	1.78	200.086
	2.50	200.080
	3.05	902.080
Ballast weight	15 kg	800.980
Tube		200.048

Component	Size (m)	Item number (9501.xxx.xxx)
Inclined ladder		300.025

Other accessories: Safety clip, toe board bracket

Dimensions

Component	Dimensions (mm)
Ladder frames	
- standards	Ø50.3×2.3
- transoms	Ø50.3×2.15
Horizontals	Ø50.3×2.3
Diagonals	Ø50.3×2.2

Erection

At the bottom of the mobile access tower, a platform is mounted and for the width 1.30 m also a horizontal brace. At the ladder frame joints where platforms are not used, horizontal braces are mounted on each side of the section. Diagonal braces with intersecting directions are mounted at each section level.

Conditions

- Maximum platform heights are shown in the following table. Stabilizers or outriggers must always be used at heights ≥ 2.0 m.

Stabilizers/Outriggers		
Platform height maximum (m)	Indoor	Outdoor
≤ 7.2	Small	Small
8.2		Large
9.2		X
10.2		
11.2		
12.2		

Small outriggers may be replaced with small stabilizers and large outriggers with large stabilizers. The stabilizers are mounted in the same position as the outriggers.

- Stabilizers and outriggers are placed as the effective width (mm) becomes:

Stabilizer/outrigger	small	large
Handy 130 (mm)	3508	4420
Handy 70 (mm)	2854	3612

3. Ballast weights are always required for outdoor use when platform heights >2.0 m.

Number of ballast weights á 15 kg for outdoor use						
Platform height [m]	Dimensions of mobile access tower (m)					
	0.7×1.8	0.7×2.5	0.7×3.05	1.3×1.8	1.3×2.5	1.3×3.05
2.3	2	4	6	2	4	4
3.3	4	4	6	2	4	4
4.3	4	6	8	4	6	6
5.3	6	8	10	4	6	6
6.3	6	8	10	4	6	6
7.3	6	8	10	4	6	6
8.3	6	8	10	4	6	6

4. A minimum of one platform, double guardrails and side protections as well as toe boards must always be mounted at working level. Double guardrails must also be mounted at all other platform levels. The minimum height of the guardrail must be 1 m (≥ 950 mm).
5. For mobile access towers with a height of ≤ 2.00 m (Handy 130) respectively ≤ 1.91 m (Handy 70) guardrails, side protectors and toe boards may be omitted, provided that the maximum possible horizontal working load does not exceed 100 N and that there is no wind load. In this event, the safety factor against overturning is ≥ 1.2 .
6. When inclined ladders are used the intermediate planes should be fully covered with platforms.
7. Only one (1) platform may be loaded. The maximum permissible distributed load on the platform is 2.0 kN/m^2 (load class 3).
8. The mobile access tower must only be accessed from inside the framing. This does not apply at heights < 2.0 m and where guardrails are not mounted.
9. The mobile access tower must not be used as an access route to other structures.
10. Diagonal- and horizontal braces must not be used as ladders.
11. The castor wheels of the mobile access tower must be locked unless the mobile access tower is being moved.
12. It is forbidden to fasten material that could catch wind, such as advertising banners etc., to the mobile access tower.
13. At the type examination the erection instruction issue 01 2019 SWE R14 has been examined.

Erection instruction

The erection instruction must be supplied with the mobile access tower when it is delivered to the user.

Use

Whether the mobile access tower is fitted with wheels or not, it is only intended for temporary and short-term work.

Application

The type examination certificate is valid for mobile access towers made and supplied by the manufacturer as stated and of which materials, dimensions and design corresponds with the type examined example.

The mobile access tower must not be assembled incorporating components from other mobile access towers unless a special investigation of the resulting load-bearing capacity has been carried out.

This is a translation from the Swedish original document. In the event of any dispute as to the content of the document, the Swedish text shall take precedence.

