



CERTIFIKAT

TYPE EXAMINATION CERTIFICATE

No. SC1809-12

Mobile access towers

Holder/Manufacturer/Supplier

Hultafors Group AB, Box 38, SE-517 21 Bollebygd, Sweden

Product name

Mobile access tower RT-750/RT-750XR and RT-1400/ RT-1400XR, Room scaffold FT-750/FT-750XR and Stairway tower ST-1400.

Product description

As described in the appendix to this certificate. Technical documentation in accordance with the material supplied for SP file No. PX17243 and 4P07120.

Requirements

The Swedish Work Environment authority Code of Statutes, AFS 1990:12 Scaffolding, Paragraph 6, (SP's certification rules, SPCR 064) and SS-EN 1004:2005. Models that also meets the requirements of AFS 2013:4, Annex 1, are specified in the appendix to this certificate.

Permissible load

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

Marking

The main components of the tower shall be permanently marked with "WIBE LADDERS" and "xx-yy" where xx designates the year and yy the month of manufacture. A sign readable from ground level must show the name of the manufacturer/supplier, designation, type examination certificate number, the SP mark and the text "Instructions for erection and use must be followed carefully".

Validity

This type examination certificate is valid until no later than 9th October 2022.

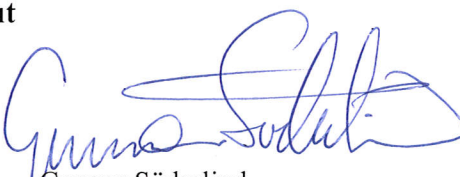
Miscellaneous

This type examination certificate replaces certificate with the same number dated 9th October 2012 and was originally issued on 9th October 2012.

Borås, 13th January 2015

SP Sveriges Tekniska Forskningsinstitut Certification


Lennart Månsson
Certification Manager


Gunnar Söderlind
Technical Officer



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Type examination certificate issued by an accredited certification body

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Appendix to TYPE EXAMINATION CERTIFICATE

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dated 13th January 2015

Product description for Mobile access tower RT-750/RT-750XR and RT-1400/RT-1400XR, Room scaffold FT-750/FT-750XR and Stairway tower ST-1400

Design

The mobile tower consists of ladder frames, platforms with or without a trap door, horizontal braces/guardrails, diagonal braces, stabilizers, inclined ladder or stairladder, toeboards and castor wheels. In model FT-750, ladder frames are used which are linked by a folding frame on the bottom plan. In model ST-1400, a walkway frame is used on the bottom plane.

The ladder frames, inclined ladder or a stairway are used as means of access, in the XR models inclined ladder or a stairway only if the height of the topmost platform is more than 2,5 m. Certain models are suited to comply with the new provisions AFS 2013:4 for scaffolds, those models are specified in the tables of section Conditions, Point 1.

The following components are used in the different tower models:

Component (design as per assembly instructions)	Size (m)	Item number	FT-750	RT-750	RT-1400	ST-1400
Stabilizer, telescopic, ST RT		839019	X	X	X	X
Castors 200 mm, ST RT	0,2	839020	X	X	X	X
Stabilizer, fixed, ST RT		839021	X	X	X	X
Handrail, ST-1400		839038				X
Frame, ST RT	1,4×2,0	839040			X	X
Frame, ST RT	1,4×1,0	839041			X	X
Frame, RT FT	0,75×2,0	839042	X	X		
Frame, RT FT	0,75×1,0	839043	X	X		
Walkway frame, ST-1400		839044				X
Platform large hatch, ST	0,6×2,4	839045				X
Platform hatch, ST RT	0,6×2,4	839046		X	X	
Platform, ST RT	0,6×2,4	839047			X	X
Stairladder, ST RT		839048				X
Horizontal brace (guardrails), ST RT	2,5	839050		X	X	X
Diagonal brace, ST RT	2,7	839051		X	X	X
Toeboard, small, short side	0,9	839490	X	X		
Toeboard, long side	2,4	839492		X	X	X
Toeboard, long side	1,7	839496	X			
Toeboard, wide, short side	1,5	893493			X	X
Folding bottom frame, FT-750	0,75×1,8	817517	X			
Platform hatch, FT-750	0,6×1,7	839090	X			
Horizontal brace, FT-750	1,8	839080	X			
Diagonal brace, FT-750	2,1	839081	X			



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Component (design as per assembly instructions)	Size (m)	Item number	FT-750	RT-750	RT-1400	ST-1400
Inclined ladder	2,1	802016	X	X	X	
Basic ladder, FT	1,85	839542	X			
Basic ladder, RT	2,09	839541		X	X	

Other accessories: Locking clips, hook platform, lock platform, foot plate

Dimensions

Component	Dimensions (mm)
Frame, verticals	Ø50×2,0
Frame, horizontals	Ø50×1,8
Horizontal and diagonal braces, stabilizers	Ø50×1,6
Platform supporting sections	80/36,8×1,5

Construction

See Hultafors (Wibe Ladders) instruction manual.

Conditions

- Maximum indoor and outdoor heights are shown in the following tables. The option of meeting the requirements of the new provisions AFS 2013:4 is also shown. If nothing else is stated, the stabilisers must be positioned at 30° to the prolongation of the gable of the tower.

Indoor and Outdoor			
FT-750		FT-750XR	
Maximum height to topmost platform (m)	Stabilizers	Maximum height to topmost platform (m)	Stabilizers
1,8*	—	1,8*	—
3,8	Stabilizers, fixed	3,8*	Stabilizers, fixed
5,8	Stabilizers, telescopic	5,8*	Stabilizers, telescopic

* Also meet the requirements of AFS 2013:4

Indoor			
Maximum height to topmost platform (m)	Model RT-750, RT-1400, ST-1400	Maximum height to topmost platform (m)	Model RT-750XR, RT-1400XR, ST-1400
2,0* ¹⁾ /2,2* ²⁾	—	2,0* ¹⁾ /2,2* ²⁾	—
10,2	Stabilizers, fixed	10,2*	Stabilizers, fixed
12,2	Stabilizers, telescopic	12,2*	Stabilizers, telescopic

* Also meet the requirements of AFS 2013:4

¹⁾ RT-750 and RT-750XR

²⁾ RT-1400, RT-1400XR and ST-1400

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Outdoor						
Maximum height to topmost platform (m)	Model					
	RT-750		RT-1400		ST-1400	
	Stabilizer	Ballast (kg)	Stabilizer	Ballast (kg)	Stabilizer	Ballast (kg)
	2,2*	Fixed	—	Fixed	—	Fixed
	4,2					
6,2	Telescopic	40	Telescopic	20	Telescopic	
8,2						

* Also meet the requirements of AFS 2013:4

Outdoor										
Maximum height to topmost platform (m)	Tower									
	RT-750XR			RT-750XR			ST-1400*			
	Stabilizer	α	Ballast (kg)	Stabilizer	α	Ballast (kg)	Stabilizer	α	Ballast (kg)	
	2,2*	Fixed	30°	–	Fixed	35°	–	Fixed	50°	–
	4,2*							Tele-scopic		
6,2*	Tele-scopic	50°	180	Tele-scopic	50°	80				
8,2*						140				

α = Angle to the prolongation of the gable

* Also meet the requirements of AFS 2013:4

- A minimum of one platform with hatch and guardrails must always be fitted at working level. The minimum height of the guardrail must be 1 m (≥ 950 mm). To meet the requirements of AFS 2013:4, guardrails must be fitted on all levels.
- When working on buildings or structures, or with any other work where there is a risk of persons or objects slipping under the guardrail, toeboards must be fitted all round the platform. To meet the requirements of AFS 2013:4, toeboards must be fitted at working level.
- On towers with a height $\leq 2,0$ m, guardrails (horizontals) and toeboards do not have to be used, 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 $\geq 1,2$. För double width towers, this condition is valid for platform heights $\leq 2,00$ m.
- Only one (1) platform may be loaded. The maximum permissible distributed load on the platform is 2,0 kN/m² (load class 3).
- The tower must only be accessed from inside the framing via the framing, an inclined ladder or a stairway. The XR models must only be accessed via an inclined ladder or a stairway if the platform height is more than 2,5 m.

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7. The tower must not be used as an access route to other structures.
8. Diagonal braces and guardrails must not be used as ladders.
9. The castor wheels of the mobile access tower must be locked unless the tower is being moved.
10. It is forbidden to fasten material that could catch the wind, such as advertising banners etc., to the scaffolding.

Erection instructions

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

Use

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

Miscellaneous

This type examination certificate applies for mobile access towers made and supplied by the manufacturer and supplier as stated on the certificate, and of which the materials, dimensions and design/construction accord with those of the inspected material.

The tower must not be assembled incorporating components from other scaffolds unless a special investigation of the resulting load-carrying 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.



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