



EU TYPE-EXAMINATION CERTIFICATE

According to Annex IV, Part A of 2014/33/EU Directive

Certificate No.:	EU-UCM 021
Certification Body of the Notified Body:	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 Munich – Germany Identification No. 0036
Certificate Holder:	OMARLIFT S.R.L Via F.lli. Kennedy 22/D 24060 Bagnatica (BG) – Italy
Manufacturer of the Test Sample: (Manufacturer of Serial Production – see Enclosure)	OMARLIFT S.R.L Via F.lli. Kennedy 22/D 24060 Bagnatica (BG) – Italy
Product:	Hydraulic valve for a brake element as part of a protection means against unintended downward car movement
Type:	HDU 600 STAND ALONE
Directive:	2014/33/EU
Reference Standards:	EN 81-20:2014 EN 81-50:2014 EN 81-2:1998+A3:2009
Test Report:	EU-UCM 019-022 of 2015-09-18
Outcome:	The safety component conforms to the essential health and safety requirements of the mentioned Directive as long as the requirements of the annex of this certificate are kept.
Date of Issue:	2015-09-18
Date of Validity:	from 2016-04-20

Achim Janocha
Certification Body "lifts and cranes"



Annex to the EU Type-Examination Certificate No. EU-UCM 021 of 2015-09-18



Industrie Service

1 Scope of application

Hydraulic valve for a brake element as part of a protection means against unintended downward car movement, type HDU 600 STAND ALONE

Flow, pressure, viscosity, ambient temperature

Range of flow	[l/min]	450 – 600
Range of pressure	[bar]	10 – 45
Range of viscosity	[cSt]	25 – 400
Range of ambient temperature	[° C]	0 – 65

2 Terms and Conditions

- 2.1 The graph "HDU Valves braking distance P=10 – Rev. 03" dated 2014-05-12 with certification stamp of 2015-09-18 as well as the written notes and dimension details have to be observed.
- 2.2 The above mentioned safety component represents only one part of the protective equipment against movements of the car in downward direction. Only in combination with a detection and triggering component (also two different components are possible), which must be subjected to an own type examination according to the test procedure specified in EN 81-2:1998+A3:2009 (D), Annex F.8 / EN 81-50:2014 (D), section 5.8, the created system can fulfil the requirements for a protection means in accordance with EN 81-2:1998+A3:2009 (D), section 9.13 / EN 81-20:2014 (D), section 5.6.7.
- 2.3 For each lift system the maximum possible braking distance must be determined and documented by the installer.
This can be done with the help of the graph „HDU Valves braking distance P=10 – Rev. 03“ dated 2014-05-12 with certification stamp dated 2015-09-18.
The determined maximum possible braking distance as well the information in accordance with EN 81-2:1998+A3:2009 (D), section 9.13.5 and section 9.13.6 / EN 81-20:2014 (D), section 5.6.7.5 and section 5.6.7.6 shall be checked after the installation of the lift system.
- 2.4 To fulfil the overall concept for the lift installation(s) the installer of the lift has to create a guidance for tests, add it to the documentation of the lift and provide any necessary tools or measuring devices which allow a safe test (e. g. closed landing doors by using a test plug which simulates an open door).
- 2.5 In the instruction manual of the lift it has to be written what is necessary to do if the "protection against unintended car movement" has been activated – in a way that competent persons according to EN 81-2:1998+A3:2009 (D), section 9.13.9 / EN 81-20:2014 (D), section 5.6.7.9 can recognize it.
- 2.6 The EU type-examination certificate may only be used in combination with the corresponding annex and enclosure (List of authorized manufacturer of the serial production). The enclosure will be updated immediately after any change by the certification holder.

3 Remarks

- 3.1 This EU type-examination certificate was issued according to the following standards:
- EN 81-2:1998 + A3:2009 (D), part 9.13
 - EN 81-2:1998 + A3:2009 (D), annex F.8
 - EN 81-20:2014 (D), part 5.6.7
 - EN 81-50:2014 (D), part 5.8
- A revision of this EU type-examination certificate is inevitable in case of changes or additions of the above mentioned standards or of changes of state of the art.
- 3.2 The EU type-examination covers the housing of the braking element (hydraulic valve) and the piston only. The pump connection and the cylinder connection is not included within this type-examination.
- 3.3 In case that there is a risk of unintended car movement in the upward direction, appropriate measures must be taken by the installer.

**Enclosure to the EU Type-Examination Certificate
No. EU-UCM 021 of 2015-09-18**



Industrie Service

Authorised Manufacturer of Serial Production – Production Sites (valid from: 2015-09-18):

Company **OMARLIFT S.R.L**
Address Via F.lli. Kennedy 22/D
 24060 Bagnatica (BG) – Italy

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