


In compliance with Directive 95/16/CE of 29th June 1995 (Annex V - Part B), concerning the approximation of the laws of the Member States relating to lifts, Apave Italia Cpm S.r.l., notified on G U of European Community with n. 0398, issues the following

CE TYPE EXAMINATION CERTIFICATE N.°

0398/V/B5/1024/EC



CE 0398

Applicant (Agent) / Head office
MORIS Italia S.r.l.
Via per Cadrezzate, 21/C
21020 Brebbia VA

Description of the model under test

Model: **"ESSE EMME 2"**
Trade mark: **MORIS**
Type of drive system: hydraulic with indirect action
Max speed: 0,93 m/s
Max load: 1050 kg
Max travel: 24,000 m
Max stop number: 8
Min head room height: 2,500 m
Min pit clearance height: 0,180 m

CPM Dossier Reference:
011-B5-2426-EC-09

CE Type Examination

This model lift is **IN COMPLIANCE** to safety and health essential requirements defined into Annex I of Directive 95/16/CE. Each lift installed shall satisfy the procedures in 2.2 item of cited annex concerning free spaces in pit and/or head room clearances.

In the following pages there are all the technical features in detail. This CE type examination certificate is reproducible only the whole draft. It consist of nr. 5 page signed on every sheet and it has no expiration date, remaining valid without modification done subsequently to the analyzed model.

This certificate cancels and replaces the previous one 0398/V/B5/1024/EC of 04/10/2010.

Date of issuing: **05th August 2011**

Nicola Cere
Responsible UTEP Lift

Urbano Strada
Director



TAB. 1- GENERAL

		Minimum	Maximum
1.1	Range of rated speed [m/s]	0,10	0,93
1.2	Range of rated load [kg]	100	1050
	Car area [m ²]	---	2,65
1.3	Range of travel [m]	---	24,000
1.4	Stops / services number	2 / 2	8 / 16
1.5	Head room height [m]	2,500	---
1.6 a	Pit clearance height [m] with max load until 450 kg and cabin dimension 950x1300	0,180	---
1.6 b	Pit clearance height [m] with load within 450 and 630 kg	0,250	---
1.6 c	Pit clearance height [m] with load bigger than 630 kg	0,330	---
1.7	Type of drive system	Hydraulic with indirect action	
1.8	Entrances configuration	Single / opposite / adjacent / 3 entrances	
	Panel side opening door / panel centre parting door / hinged-semiautomatic landing door with car folding door or car side panel opening door. Access free space from mm 500x2000 up to mm 1400x2100		
1.9	Standard reference		
	UNI EN 81-2:2008	Partially followed	
1.10	Technical solution for item not comply with standards		
	<p>Risk Analysis concerning standard UNI EN 1050:1998 as been carried out to verify that technical solution grant safety essential requirements as in annex I of Lifts Directive.</p> <p>The model differs from harmonized standard for the following motive: it is possible to install the lift where it's not possible to have into the building the free spaces requested by standards for the head room and/or pit according to procedures into 2.2 item of annex I of directive 95/16 CE.</p> <p>For maintenance and emergency operation have been dictated specific procedures into user and maintenance manual.</p>		
1.11	<p>Calculation report: normally every lift has a technical report from which it is possible to verify that the range of technical features defined into this EC Type Examination Certificate have been respected, except for exception as at point 4.6.</p>		

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TAB. 2- SAFETY COMPONENTS

		EC Type Examination Certificate / Notes
2.1	Floor locking door devices	
	SEMATIC	CA50.00414 for locking type H153ABVX CA50.00415 for locking type H153ABWX
	SELCOM series 3201 HYDRA	ATV 286/8; ATV 285/8; ATV 299/5; ATV 295/6; ATV 577; ATV 364/3; ATV 319/5; ATV 578; ATV 409/1; ATV 294/5; ATV 438/2; ATV 439/2; ATV 440/1; ATV 724; ATV 441/1; ATV 555; ATV 442; ATV 443/1; ATV 556; ATV 444; ATV 445/1; ATV 548; ATV 549; ATV 550; ATV 551; ATV 553; ATV 552; ATV 554; ATV 628; ATV 512/1; ATV 684; ATV 507/1; ATV 600; ATV 585; ATV 586; ATV 583; ATV 584
	SELCOM series 3215 AUGUSTA	ATV 616/2; ATV 617/2
	PRISMA series Concord	I0314 for locking type 710
	PRISMA series Q	(Carina ATV 642, ATV 643), ATV 644, ATV 645, ATV 646, ATV 647, ATV 648, ATV 649, ATV 650, ATV 651, ATV 652, (Circular ATV 714, ATV 715)
	PRISMA series 115 System	ATV 713
	PRUDHOMME	0071/0199/01 for locking type LR 180
	FERMATOR TECNOLAMA	01/09-009/PR/R for locking type 210/10/40
	FERMATOR TECNOLAMA	ATV 483/3, 484/3, 485/3, 486/3, 487/4 and 488/3 for locking type 50/11
	CEITA	CNR-ITL 39/1/99 RF 425 for doors code PP2TDRH2 and PP2TSRH2
	TIEFFE	I0110 for locking series TF 2000
	GERVALL	ATI/LD-VA/M017/99 for locking series 96 DI
	ELEX	CA50.00145 for locking series AUSO 7/14
2.2	Safety gear	
	PFB BP1 type	AVF 515/1
	PFB BP3 type	AVF 517/1
	LAURVIT LVT 01 type	AVF 475/1
	LAURVIT LVT 07 type	DPD 003
	LAURVIT LVT 09 type	DPD 004
	DYNATECH type IN 3000	ATI/LD-VA/M141-05
	DYNATECH type PR-2500-UD	ATI/LD-VA/M065A-2/00
2.3	Overspeed governor	N/A
2.4	Buffers	
	LIFTEX model ETN in Diepocell, T1 type	08/208/AP 003/T1
	P+S Polyurethan-Elastomere GmbH & Co.KG type E2, versions A and C	08/208/AP 003/E2
	P+S Polyurethan-Elastomere GmbH & Co.KG tipo T2, versions A and C	08/208/AP 003/T2
	HYDRONIC LIFT type Lidror T1	NL 09-400-1002-105-11
	ACLA-WERKE GmbH - group C 300423	08/208/AP 001/300423

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	ACLA-WERKE GmbH	08/208/AP 001/300116 08/208/AP 001/300117 08/208/AP 001/300143 08/208/AP 001/300144 08/208/AP 001/300400 08/208/AP 001/300401 08/208/AP 001/300402 08/208/AP 001/300403 08/208/AP 001/300405 08/208/AP 001/300406 08/208/AP 001/300410 08/208/AP 002/300411 08/208/AP 002/300412 08/208/AP 002/300413 08/208/AP 001/300421 08/208/AP 001/300422 08/208/AP 001/300423
2.5	Rupture valve	
	MORIS 0393 P series, ¾", 1" ¼, 1" ½, 2" type	I 0222, I 0223, I 0224, I 0227
2.6	Electronic safety circuits	N/A

TAB. 3- OTHER COMPONENTS

3.1	Board	In compliance with the solutions implemented by MORIS relative to the logic and to the safety circuits for the pit and/or the reduced head
3.2	Emergency	Power operated return to floor
3.3	System to reproduce space in head room when lacking that indicated by standard EN 81.2	N° 2 additional directional end-stops
3.4	System to reproduce space in pit clearance when lacking that indicated by standard EN 81.2	Moris system KMI-RP
3.5	Safety contacts for emergency keys on floor doors	Present only for the ground floor (0) door if the plant is a reduced pothole, at every floor except to floor 0 if it is a reduced header, at every floor if a reduced pothole and reduced header
3.6	Mechanical block for doors operator in case of reduced pit clearance on power operated doors	Present
	Mechanical block for doors operator in case of reduced pit clearance on folding doors	Absent: the operator mechanical transmission grants impossibility to open manually the doors inside the car
	Removable apron	Present. Absent in the version with automatic retractile apron
3.7	Machine and position of machine room	
	Control system MORIS locable with electric operate board in a adequate room or in a MORIS MI 2000 closet near to action space.	Pump 8÷650 litre/min

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3.8	Piston	Components \varnothing 70÷160 mm
3.9	Suspension ropes	
	Number of ropes and diameter	from 4 to 8 x \varnothing 8÷11 mm
	Type of construction	SEALE 6(1+9+9) (6 strands - 114 wires)
	Resistance class	1570 N/mm ²
	Rope ends	PFB or LVT
3.10	Guide rails	
	T82x68x9 / T70x70x8 / T80x80x9	Bracketing with max step 1,60 m
	T90x75x16 / T125x82x16	Bracketing with max step 3,00 m
3.11	Suspension type	
	Corbel arch	In compliance with the MORIS planning
3.12	Bidirectional communication device	Present
3.13	Intercoms	n. 3
3.14	Rigid pipes kit (steel Fe 360)	\varnothing 35÷45 mm; thickness 2,5÷3 mm
3.15	Flexible pipes kit	Accordingly to EN81.2

TAB. 4- OTHER REQUIREMENTS

4.1	The lift isn't usable in the following situations: <ul style="list-style-type: none"> - in potentially explosive atmospheres - as escape in case of fire - in ambient with temperature lower than 5° C or upper than 45° C - in ambient with a relative humidity > 80% at a temperature of 20° C
4.2	Observing the in force technical requirements it is possible use glass in doors and car walls.
4.3	Plant dimension variations are allowed as long as the maximum surface is congruent to the range of load inside the allowed range.
4.4	The coupling of sling, car and operators must respect in all the maximum weight indicated in calculation report inside technical file.
4.5	Where in alternative to well in reinforced concrete, is used a metallic head frame, this has to be designed according to good technical standards and according to legislation general and specific for certain locations (e.g. seismic standards).
4.6	For the plants with capability >630 kg and/or speed >0,63 m/s, the technical report will always be issued to demonstrate the adherence of the plant to the norm EN 81.2:2008 where applicable; or the plants with capability <=630 kg and/or speed <=0,63 m/s will be issued a drawing with a recapitulating scroll to verify that the terminal points of the intervals of the technical features defined in this CE Type Certificate have been respected.

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