

DEDALO Trailer

from 17.8 up to 30.2 m



SCALA REALE

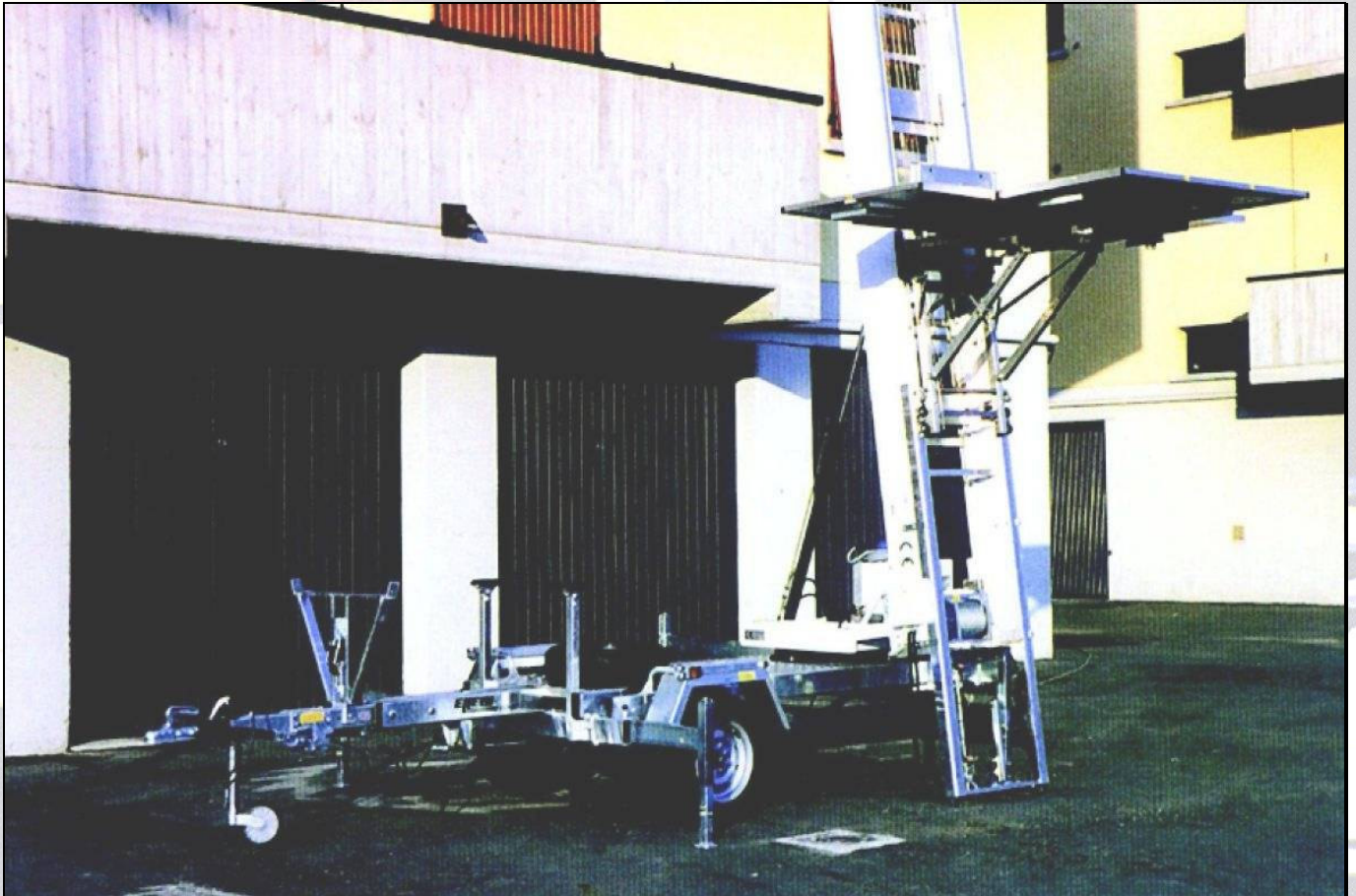
DEDALO Trailer is one of the most sophisticated aerial lifting system for moving furniture into upstairs apartments.

This unit was designed to withstand heavy working loads under most variable operative conditions while short width and retractable drawbar ideally meets with narrow space requirements.

It features an especially rugged construction by reduced weight and dimensions. Designed for most varied applications and working conditions, this unit is capable of withstand in very high loads.

DEDALO Trailer is specially recommended for working in narrow historical city areas where travelling and working is greatly facilitated by a compact size and a fully electrical very powerful power supply system (platform speed of 45m/min.). Gasoline engine is also available on request.

The highest ladder extension varies from 17.8 up to 30.2 m depending on the model and thus allows reaching out from first to ninth floor with a unique performance.



This view shows our lift model DEDALO 5.5050 (23 m) mounted on trailer ELLEBI LBS-550 with total mass weight 750 kg. The drawbar is retractable in order to fit into smaller parking dimensions.



The trailer is equipped with parking brakes and inertial brakes in compliance with European Directives no. EC/91/422. Because of reduced weight (750 kg - 1000 kg depending on the model) towing is possible with most commercial cars and vehicles. Installation on a 750 kg total mass trailer is possible up to 23 m height.



Up and down as well as safety stop buttons are available on the lift top. The platform front panel is both foldable and removable.



The trailer total width is 1500 mm while maximum length varies from 5 m to 5.87 m depending on the models.



Maximum height on the rear side panel is 2.22 m.



All 4 side panels are removable and are fitted with L-shaped steel brackets suitable for both horizontal and vertical settings.
Turning platform dimensions to fit into windows opening: 1422x830 mm.
Rear side panel: 650(h) mm.
Lateral side panels: 450(h) mm.
Front side panels 600x250(h) mm.



All models from 24 m are equipped with a double cylinder controlling the ladder's inclination and avoiding twisting problems. The turning device has got a double braking system available: hand brakes to perform millimetric arrest and mechanical brakes featuring three arrest positions in each working position (the front and on the truck sides).



A safety system of stainless steel rods exclusively designed by SCALA REALE prevents the ladder unit from sliding down when load is put on the platform and saves the steel wire ropes from bending.
A galvanized ladder extension ramp is equipped with telescopic prop to support it whenever the lower end is not standing on ground.
Quick locking and releasing of the chute are both performed by one single lever.



All ladder elements are made out of heavy-duty aluminum EN AW-7020 avoiding ladder bending even at maximum extension (see picture).

TECHNICAL FEATURES		DEDALO 5.4090	DEDALO 5.5050	DEDALO 6.4090	DEDALO 6.5050	DEDALO 7.4090	DEDALO 7.5050
Maximum lift heght above ground level (at 85°)	m	17.8	23.0	21.8	26.7	24.0	30.2
Minimum lift height above ground level (at 30°)	m	3.0	3.5	3.1	3.6	3.2	3.7
Retracted ladder length	m	4.29	5.25	4.31	5.27	4.33	5.29
Total trailer length	m	5.20	5.83	5.20	5.85	5.20	5.87
Total trailer weight	kg	750	750	750	1000	1000	1000
Number of ladder lifting cylinders	-	1	1	1	2	2	2
Number of telescopic sections	-	5		6		7	
Capacity	kg	300					
Platform speed	m/min	progressive 0-45					
Platform speed range	m/min	12-22-45					
Electric power	-	single phase 220 V-50 Hz-2.4 kW					
Working angle	°	from 30 to 85					
Minimum electric protection	-	IP55					

FEATURES

Mechanical

Trailer with retractable drawbar, telescopic sections out of heavy-duty aluminum EN AW-7020. Ladder safety system consisting of stainless steel rods. Safety against breaking of the platform wire rope and of the sliding ladder rope. 6 mm-platform wire rope made out of special steel. 5 mm sliding ladder rope made out of special steel. Threaded hoists. Millimetric stop of the turning device. Turning platform fitting inside windows and balconies profile. Removable platform extension sides. Anti-slip aluminum floor on lift chassis. Lower ladder extension made out of galvanized steel with telescopic props.

Hydraulic

Hydraulic power supply for ladder inclination complete with double acting cylinder and safety overcenter valve. Safety stop valves on all cylinders.

Electric

All setting operations (up and down stroke and emergency arrest) are remote controllable from the lower control unit and from the top panel. Progressive platform acceleration/slow-down both at start and arrival. Possible option of platform speed programming on request of the operator. Complete electronic protection of the motor. Optional gasoline engine on request.

Scala Reale S.r.l. reserves the right to change and/or modify specifications and features at any time without notice

Area Dealer

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