

# DEDALO Pick-up

from 18 up to 30.5 m



SCALA REALE



Dedalo pick-up is one of the most sophisticated aerial lifting system for moving furniture into upstairs apartments. 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. The DEDALO pick-up 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 45 m/min). Gasoline engine is also available on request. The highest ladder extension varies from 18 up to 36 m depending on which model and thus allows reaching out from first to eleventh floor with a unique performance.



The above picture shows a typical version of the pick-up model Dedalo 7.5050 (30.5 m high) mounted on TOYOTA HI-LUX 2WD ladder truck with 4 hydraulic stabilizers (standard) and gasoline engine (optional) with aluminium casing.



In the extractable version, the ladder is fitted in the back and may be separated at convenience. In this case the lift is considered as outrigger load. Alternatively, the ladder truck comes as a fixed unit approved for travel on road as a special transportation vehicle.



The maximum ladder height on TOYOTA HI-LUX 4x2 is approximately 2.4 m.





A wide storage room is also available on the truck to lodge the load. The ladder is quickly set out by simply removing the 4 fixation pins.



Separation of the ladder on the pick-up is performed on special hydraulic stabilizers independently controlled via a hydraulic control valve with 4 individual joysticks. On request the ladder may be equipped with own wheels for travel to storage place. Operation of the elevating assembly may be performed independently from the truck.



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 24.3 m are equipped with a double cylinder controlling the up function of the ladder 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 ladder extension ramp 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 height above ground level (at 85°)	m	18	23.2	22	27	24.3	30.5
Minimum lift height above ground level (at 30°)	m	3.4	3.9	3.5	4	3.6	4.1
Retracted ladder length	m	4.29	5.25	4.31	5.27	4.33	5.29
Total lift weight	kg	650	690	770	850	915	990
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

Fixed mounted or hauled on truck. Telescopic sections made 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. 6mm-platform wire rope out of special steel. 5mm 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 prop.

### Hydraulic

4 hydraulic double-acting stabilizers operated by control valve with 4 joysticks. 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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