

# AC80-11 / AC120-6 / AC140-6

## Available configurations:



## BATTERY TENSION

96V

120V

Replacing battery quickly by small forklifts or cranes

AC120-6-CO-HT 96V



AC120-6-CO-HT 96V



AC140-6-CO 120V



## VERSIONS

LT

Low tilt cylinders

CO

Compact - I2 on given dimensions

HT

Tilt cylinders above the roof

R

Remote control



## TYRES

Front single or twin  
SE: solid tyres  
CU: cushion in rubber  
PL: cushion in polyurethane



## CABIN

- Cover head guard
- Upper covering and front window with wiper
- Rear window with wiper
- Upper covering, front and rear windows with wipers, PVC doors
- TGV - full metal frame cabin complete of doors, windows and wipers
- Magnifica cabin Closed cab complete with windows, front/rear/top wipers
- Ergonomic seat with Grammer pneumatic springing mod. *Primo Plus*



## TOOLS AND DEVICES

- Working LED lights with DC/DC controller
- Road lights - low/high beam, flashing indicators, stop
- Blue spot light
- Heater and/or Air conditioning
- Front and rear defroster
- Infrared led video camera with colour LCD 5" display
- Radio with CD/Mp3 player, battery socket 12/24V
- Speed reduction while lifted forks
- Safety pedestrians and obstacles



## COMMAND CONTROLLERS

- Levers
- Electro hydraulic distributor with mini-fingers, forward/reverse switch and horn buttons in the Grammer armrest

8,000 kg @ 1100 mm - 17,600 lbs @ 43'  
12,000 kg @ 600 mm - 26,500 lbs @ 24'  
14,000 kg @ 600 mm - 30,900 lbs @ 24'

The AC120-6 and AC140-6 Forklifts are developed for handling 12,000 and 14,000 kg loads in short corridors and for a long duration.

## Main characteristics:

- **Reliability** guaranteed by particularly **robust frames and masts**, studied for moving heavy and bulky loads.
- **High performance thanks to a 96V and 120V battery tension.**
- Using **AC Technology** (ALTERNATING CURRENT) to manage the traction motor 38kW (96V)/47kW (120V) and the lifting pump motor 52kW (96V)/54kW (120V), improving performance, autonomy and longevity of battery life.
- **Simple, efficient operator-forklift interaction and a rapid and precise response** to every single activated command.
- **Zero emissions and low noise levels.**
- **Recovery of energy** during deceleration or the reverse direction phase.
- **External mast chains and a high visibility cabin** allow the operator to manoeuvre the forklift in surrounding areas promoting a safe workplace.
- A **safe and ergonomic entry** into the cabin with an optimal driver's seat position.
- The **seat by GRAMMER** provides high comfort to the driver.
- With the **dynamic steering system, steering control is agile and precise.**
- Quick and safe direction change with Devio Command or a double pedal.
- **Fork carriage FEM5 / PYN-TYPE**, 3 hydraulic ways with piping plus 4th, 5th, 6th and more, make the **forklift more versatile for using equipment in different operating environments indoor/outdoor.**



SECTORS:

- paper
- cotton
- steel and aluminium
- wind turbines
- beverage
- automotive
- timber
- general manufacturing
- heavy logistic
- concrete and brick
- recycling
- loading containers

## Technical datasheet:

Model designation			AC80-11 96V		AC80-11 120V		AC120-6 96V		AC120-6 120V		AC140-6 96V		AC140-6 120V	
Load capacity	Q	Kg	8000		8000		12000		12000		14000		14000	
Load centre	c	mm	1100		1100		600		600		600		600	
Tyres (SE= solid, CU= cushion, PL= polyurethane)			SE		SE		SE		SE		SE		SE	
Mast tilt, forward / backward	α	β	5°	9°	5°	9°	5°	9°	5°	9°	5°	9°	5°	9°
Height of mast, lowered	h1	mm	3250		3250		3250		3250		3250		3250	
Free lift	h2	mm	-		-		-		-		-		-	
Lift height	h3	mm	3500		3500		3500		3500		3500		3500	
Height of mast, extended	h4	mm	5000		5000		5000		5000		5000		5000	
Height of overhead guard	h6	mm	2700		2700		2700		2700		2700		2700	
HT - tilt cylinders above the roof - Overall height	h6	mm	2800		2800		2800		2800		2800		2800	
Height of seat	h7	mm	1650		1650		1650		1650		1650		1650	
Overall length	l1	mm	5370		5370		5370		5370		5370		5370	
Length to fork face	l2	mm	4170		4170		4170		4170		4170		4170	
C0 - Compact length configuration - Overall length	l1	mm	5950		5950		4950		4950		5050		5050	
C0 - Compact length configuration - Length to fork face	l2	mm	3750		3750		3750		3750		3850		3850	
Overall width (b1= single tyres, b2= twin tyres)	b1/ b2	mm	-	2050	-	2050	-	2050	-	2250 - 2450	-	2070 - 2250	-	2250 - 2450
Fork dimensions	sxexl	mm	200 x 70 x 2200		200 x 70 x 2200		200 x 70 x 1200		200 x 70 x 1200		200 x 80 x 1200		200 x 80 x 1200	
Fork carriage ISO 2328 (FEM), ISS, TPST, TWST			F.E.M.4A		F.E.M.4A		PIN-TYPE		PIN-TYPE		PIN-TYPE		PIN-TYPE	
Width of fork carriage	b3	mm	1800		1800		1800		1800		1800		1800	
Ground clearance, below mast (without load)	m1	mm	200		200		200		200		200		200	
Ground clearance, centre of wheelbase	m2	mm	230		230		230		230		230		230	
Battery voltage / Rated capacity (Ah/5h)	V / Ah		96	1250 - 2064	120	1250 - 2064	96	1250 - 2064	120	1250 - 2064	96	1250 - 2064	120	1250 - 2064
C0 - Compact l2 - Battery voltage / Rated capacity (Ah/5h)	V / Ah		96	1250 - 1720	120	1396 - 1548	96	1250 - 1720	120	1396 - 1548	96	1250 - 1720	120	1396 - 1548

Power unit: ELECTRIC

Operation: SEAT

Service brake: ELECTRIC

Type of drive control: AC ELECTRONIC

Dimensions: +/- 2%; Performances: +/- 5%. Please take note measures and technical data indicated in the given offers.