

# AC150-6 / AC160-6 / AC180-6

## Available configurations:



### BATTERY TENSION

96V

120V

Replacing battery quickly by small forklifts or cranes

AC160-6-HT 120V



AC150-6-CO-HT 96V



AC160-6-HT 120V



### VERSIONS

- |   |  |
|---|--|
| <b>LT</b> Low tilt cylinders            | <b>CO</b> Compact - 12 on given dimensions |
| <b>HT</b> Tilt cylinders above the roof | <b>R</b> Remote control                    |



### TYRES

Front 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

15,000 kg @ 600 mm - 33,100 lbs @ 24'  
16,000 kg @ 600 mm - 35,300 lbs @ 24'  
18,000 kg @ 600 mm - 39,700 lbs @ 24'

The AC series from 15 to 18 tons represents since 2009 a revolution in handling heavy loads in short corridors, long working autonomy and difficult climatic conditions.

## Main characteristics:

- The **electronic management AC, batteries 96V o 120V voltage**, allow this forklift series equal performance to those with internal combustion engine of similar range.
- AC technology offers a long list of advantages for the forklift driver. **Rapid and precise response to every single activated command.**
- **No vibration emissions** on handling loads benefitting safety in the workplace during the lifting, tilt or shifting.
- **No impetuous movement typical of diesel engines in driving phases.**
- Energy saving in **each motor is activated individually when required.** Traction motor 38kW (96V)/47kW (120V), the lifting pump motor 52kW (96V)/54kW (120V) and steering.
- Operator- forklift interactions regard **movements, diagnostic of anomalies and in the management of working parameters.**
- **Easing the steering and greater driving precision.** Quick and safe direction change with devio command or bi-pedal.
- **Recovery of energy on deceleration or reversal** of the driving direction through the oil bath braking system.
- **A well-weighted and robust frame**, a reinforced mast provide stability, safety and reliability when handling heavy loads, often bulky.
- **Battery positioned on side or rear eases a quick change.**
- **Comfortable cabin with a 360° and overhead view.** Located on a low-height frame, it allows the operator to get in, off frequently, in safety.
- **Fork carriage 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  
 steel and aluminium  
 wind turbines  
 automotive  
 timber  
 general manufacturing  
 heavy logistic  
 concrete and brick  
 recycling  
 nuclear wastes

**Technical datasheet:**

Model designation			AC150-6 96V		AC150-6 120V		AC160-6 96V		AC160-6 120V		AC180-6 96V		AC180-6 120V	
Load capacity	Q	Kg	15000		15000		16000		16000		18000		18000	
Load centre	c	mm	600		600		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	5100		5000		5100		5000		5100		5000	
Height of overhead guard	h6	mm	2800		2800		2800		2800		2800		2800	
HT - tilt cylinders above the roof - Overall height	h6	mm	2980		2980		2980		2980		2980		2980	
Height of seat	h7	mm	1650		1750		1650		1750		1650		1750	
Overall length	l1	mm	5610		5610		5610		5790		5610		5790	
Length to fork face	l2	mm	4410		4410		4410		4590		4410		4590	
CD - Compact length configuration - Overall length	l1	mm	5150		5150		5250		5250		5250		5250	
CD - Compact length configuration - Length to fork face	l2	mm	3950		3950		4050		4050		4050		4050	
Overall width (b1= single tyres, b2= twin tyres)	b1/ b2	mm	-	2070 - 2250	-	2450	-	2250 - 2450	-	2450	-	2250 - 2450	-	2450
Fork dimensions	sx- exl	mm	200 x 80 x 1200		200 x 80 x 1200		200 x 90 x 1200		200 x 90 x 1200		200 x 90 x 1200		200 x 90 x 1200	
Fork carriage ISO 2328 (FEM), ISS, TP SL, TW SL			PIN-TYPE		PIN-TYPE		PIN-TYPE		PIN-TYPE		PIN-TYPE		PIN-TYPE	
Width of fork carriage	b3	mm	2000		2000		2000		2000		2000		2000	
Ground clearance, below mast (without load)	m1	mm	200		200		200		200		200		200	
Ground clearance, centre of wheelbase	m2	mm	220		230		220		230		220		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
CD - 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.