

# AC70-6 / AC80-6 / AC80-9 / AC100L-6

## Available configurations:



### BATTERY TENSION

80V 96V 120V

Replacing battery quickly by small forklifts or cranes

AC80-9-CO 96V



AC80-9-HT 96V



AC80-6 96V-1860Ah



7,000 kg @ 600 mm – 15,400 lbs @ 24'  
8,000 kg @ 600 mm – 17,600 lbs @ 24'  
8,000 kg @ 900 mm – 17,600 lbs @ 37'  
10,000 kg @ 600 mm – 22,000 lbs @ 24'

The AC Forklifts series from 7 to 10 tons are designed and developed to move large and heavy loads in tight spaces and in different climatic conditions.

## Main characteristics:

- A safe workplace thanks to **zero emissions, low noise levels, an ergonomic access to the cabin, wide visibility for the operator.**
- **Using AC technology –ALTERNATING CURRENT–** to manage the traction motor 32kW (80V) / 38kW (96V) / 45kW (120V) and the lifting pump motor 42kW (80V) / 48kW (96V) / 50kW (120V), improving performances, autonomy and longevity of charged battery.
- **Reliability** guaranteed by particularly robust frames and masts, which are able to withstand external stresses.
- **Safety** during the shifting and handling of loads thanks to the electronic control of the hydraulic and traction functions.
- **Recovery of energy** on deceleration or the reverse direction phase.
- With the **dynamic steering system**, steering control is **agile and precise.**
- **Quick and safe change** with Devio Command or a double pedal.
- **Comfortable cabin** with 360° and overhead view.
- A **safe braking system** using Oil Bath Braking.
- **Energy savings** achieved by individually activated motors and lower energy costs compared to Diesel/LPG, with an economic **return on investment in a short time.**
- **Fork carriage FEM4A**, 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.**



## VERSIONS

- |   |  |
|---|--|
| <b>LT</b> Low tilt cylinders            | <b>CO</b> Compact - I2 on given dimensions |
| <b>HT</b> Tilt cylinders above the roof | <b>R</b> 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
- Cabin complete of doors, windows and wipers



## TOOLS AND DEVICES

- Working led lights with DC/DC controller
- Road lights – low/high beam, flashing indicators, stop
- Blue spot light
- Air conditioning
- Heater
- Infrared led video camera with color LCD 5" display
- Static or Dynamic weighting system



## COMMAND CONTROLLERS

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



SECTORS:

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

### Technical datasheet:

Model designation			AC70-6		AC80-6		AC80-9		AC100L-6	
Load capacity	Q	Kg	7000		8000		8000		10000	
Load centre	c	mm	600		600		900		600	
Tyres (SE= solid, CU= cushion, PL= polyurethane)			SE		SE		SE		SE	
Mast tilt, forward / backward	$\alpha$	$\beta$	5°	9°	4°	9°	5°	9°	5°	9°
Height of mast, lowered	h1	mm	2900		2800		2800		2900	
Free lift	h2	mm	-		-		-		-	
Lift height	h3	mm	3300		3300		3300		3300	
Height of mast, extended	h4	mm	4500		4400		4400		4500	
Height of overhead guard	h6	mm	2450		2450		2450		2450	
HT - tilt cylinders above the roof - Overall height	h6	mm	2660		2660		2670		2670	
Height of seat	h7	mm	1450		1450		1450		1520	
Overall length - 80V	l1	mm	4700		4750		5100		5100	
Length to fork face - 80V	l2	mm	3500		3550		3900		3900	
CO - Compact length configuration - Overall length - 80V	l1	mm	4430		4480		4750		4750	
CO - Compact length configuration - Length to fork face - 80V	l2	mm	3230		3280		3550		3550	
Overall length - 96V/120V	l1	mm	5100		5100		5100		5100	
Length to fork face - 96V/120V	l2	mm	3900		3900		3900		3900	
CO - Compact length configuration - Overall length - 96V	l1	mm	4750		4750		4750		4750	
CO - Compact length configuration - Length to fork face - 96V	l2	mm	3550		3550		3550		3550	
Overall width (b1= single tyres, b2= twin tyres)	b1/ b2	mm	1760	1930	1760	1930	-	1930	-	1930
Fork dimensions	sxexl	mm	60 x 150 x 1200		60 x 200 x 1200		70 x 200 x 1200		70 x 200 x 1200	
Fork carriage ISO 2328 (FEM), ISS, TP SL, TW SL			F.E.M.4		F.E.M.4		F.E.M.4		F.E.M.5	
Width of fork carriage	b3	mm	1600		1600		1600		1800	
Ground clearance, below mast (without load)	m1	mm	180		180		180		180	
Ground clearance, centre of wheelbase	m2	mm	150		150		165		165	
Battery voltage / Rated capacity (Ah/5h)	V / Ah		80V	1250 - 1720	80V	1250 - 1720	80V	1250 - 1720	80V	1250 - 1720
CO - Compact l2 - Battery voltage / Rated capacity (Ah/5h)	V / Ah		80V	1000 - 1376	80V	1000 - 1376	80V	1000 - 1376	80V	1000 - 1376
Battery voltage / Rated capacity (Ah/5h)	V / Ah		96V / 120V	1250 - 2064	96V / 120V	1250 - 2064	96V / 120V	1250 - 2064	96V / 120V	1250 - 2064
CO - Compact l2 - Battery voltage / Rated capacity (Ah/5h)	V / Ah		96V	1240 - 1720	96V	1240 - 1720	96V	1240 - 1720	96V	1240 - 1720

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.