



**iMOW**  
by EP EQUIPMENT

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# ICE301/ICE351

Electric Counterbalance Forklift Truck 3.0/3.5T

- Lithium-ion technology
- Low TCO
- Easy driving
- Brilliant visibility
- Telematics

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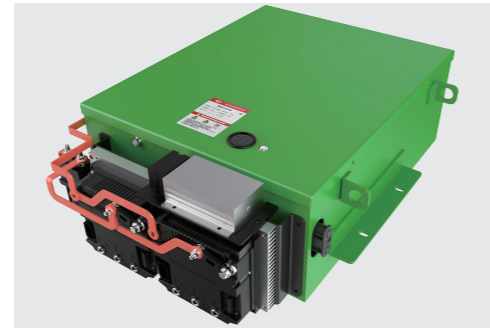


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# PRODUCT FEATURES

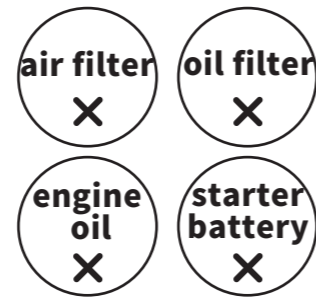
## ■ Lithium-ion technology

ICE 301/ICE 351 adapts LFP Li-ion battery that prevents the battery from self-ignition and ensures safety operation. ICE 301/ICE 351 supports opportunity charging so it can be charged at preferable time during the day without disrupting working schedules.



## ■ Low TCO

Comparing to a diesel forklift truck, ICE 301/ICE 351 saves 30%-50% of energy cost with li-ion technology. And there is no maintenance fee with no air filter, oil filter, engine oil or starter battery installed on the truck.



## ■ Easy driving

The truck is equipped with mechanical braking system. The system shortens the braking distance to ensure safety while reducing the driving fatigue in the meantime.



## ■ IPX4 rated water-protected design

The ice301/351 is IPX4 rated and that protects the trucks from splash of water from different angles. The waterproofed design allows the trucks to be operated outdoors, even in the rain.



## ■ Telematics

ICE 301/ICE 351 offers EP' s latest Telematics. It provides the following features to facilitate your fleet management:

- Truck location in real-time
- Reports of truck usages and diagnosis
- Li-ion battery condition analytics
- Updates on card access registration



# PRODUCT PARAMETERS

Distinguishing mark			iMOW		iMOW	
			ICE301	ICE351		
1.1	Manufacturer				iMOW	
1.2	Model designation				ICE301 ICE351	
1.3	Drive				Electric Electric	
1.4	Operator type				Seated Seated	
1.5	Load capacity	Q	kg	3000	3500	
1.6	Load center distance	c	mm	500	500	
1.8	Load distance, centre of drive axle to fork	x	mm	481	481	
1.9	Wheelbase	y	mm	1750	1810	
2.1	Service weight			kg	4080 4560	
2.2	Axle loading, laden front/rear			kg	6420/660 7100/960	
2.3	Axle loading, unladen front/rear			kg	1740/2340 1670/2890	
3.1	Tyre type				Pneumatic Pneumatic	
3.2	Tyre size, front				28X9-15-14PR 28X9-15-14PR	
3.3	Tyre size, rear				6.50-10-10PR 6.50-10-10PR	
3.5	Wheels, number front/rear (x=drive wheels)			mm	2x/ 2 2x/ 2	
3.6	Tread width, front	b10	mm	1010	1010	
3.7	Tread width, rear	b11	mm	980	980	
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/ 10	6/ 10	
4.2	Retracted mast height	h1	mm	2070	2070	
4.3	Free lift	h2	mm	120	120	
4.4	Lift height	h3	mm	3000	3000	
4.5	Height, mast extended	h4	mm	4110	4110	
4.7	Height of overhead guard (cabin)	h6	mm	2160	2190	
4.8	Seat height/standing height	h7	mm	1130	1130	
4.12	Tow coupling height	h10	mm	320	320	
4.19	Overall length	l1	mm	3780	3940	
4.20	Length to face of forks	l2	mm	2710	2870	
4.21	Overall width	b1/b2	mm	1230	1230	
4.22	Fork dimensions	s/e/l	mm	45×122×1070	50×122×1070	
4.23	A,B Fork carriage class/type A, B				3A 3A	
4.24	Fork carriage width	b3	mm	1150	1150	
4.31	Ground clearance, laden, below mast	m1	mm	120	120	
4.32	Ground clearance, center of wheelbase	m2	mm	150	150	
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	4181	4326	
4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	4381	4526	
4.35	Turning radius	Wa	mm	2500	2645	
5.1	Travel speed, laden/unladen			km/h	11/12 11/12	
5.2	Lifting speed, laden/unladen			m/s	0.29/0.36 0.26/0.34	
5.3	Lowering speed, laden/unladen			m/s	0.4/0.43 0.4/0.43	
5.5	Drawbar pull, laden/unladen			N	— —	
5.6	Max. drawbar pull, laden/unladen			N	— —	
5.8	Max. gradeability, laden/unladen			%	15/15 15/15	
5.10	Service brake					Hydraulic Hydraulic
5.11	Parking brake					Mechanical Mechanical
6.1	Drive motor rating S2 60 min			kW	10 10	
6.2	Lift motor rating at S3 15%			kW	16 16	
6.4	Battery voltage/nominal capacity			V/Ah	80V205AH 80V280AH	
6.5	Battery weight			kg	— —	
8.1	Type of drive control					AC AC
10.5	Steering design					Hydraulic Hydraulic
10.7	Sound pressure level at the driver's ear			dB(A)	< 74 < 74	

# MAST OPTION

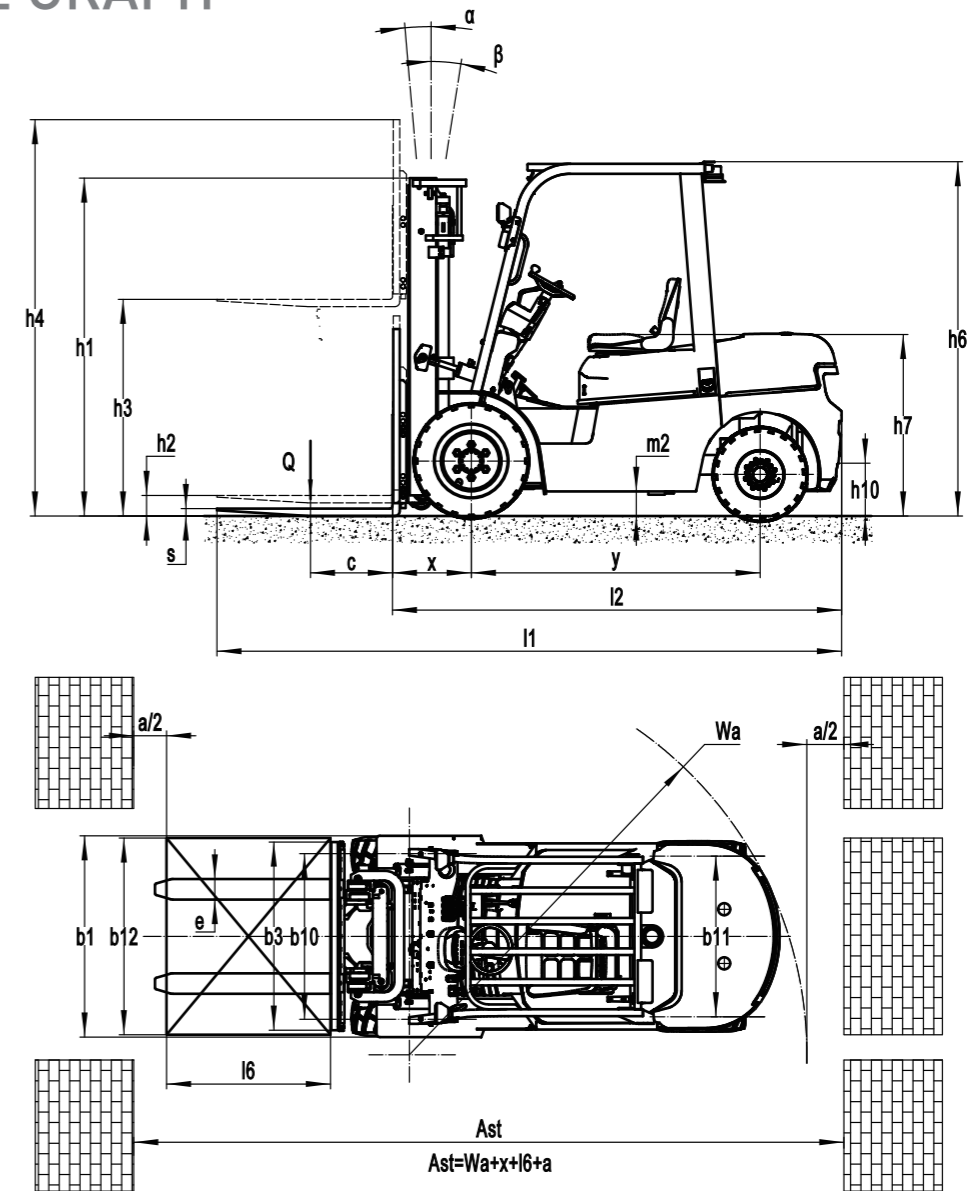
Mast types	Lift height (h3)	Height, Mast		Height, Free lift(h2)		
		Height, mast lowered(h1)	Height, mast extended(h4)		No shelving	With shelving
	mm	mm	No shelving	With shelving	mm	mm
2-Standard Mast	2700	1910	3330	3795	120	120
	3000	2060	3630	4095	120	120
	3300	2210	3930	4395	120	120
	3500	2310	4130	4595	120	120
	3600	2360	4230	4695	120	120
	4000	2610	4630	5095	120	120
	4300	2760	4930	5395	120	120
2-Free Mast	3000	2040	3630	4095	1410	945
	3300	2190	3930	4395	1560	1095
	3600	2340	4230	4695	1710	1245
3-Free Mast	4300	2040	4930	5395	1410	945
	4500	2120	5130	5595	1490	1025
	4800	2190	5430	5895	1560	1095
	5000	2310	5630	6095	1680	1215
	5500	2560	6130	6595	1930	1465
	6000	2810	6630	7095	2180	1715

# OPTION

No.	Optional Items	ICE301	ICE351
1.1	Fork dimension	<ul style="list-style-type: none"> <li>122*45*1070</li> <li>122*45*1150</li> <li>122*45*1220</li> <li>122*45*1370</li> <li>122*45*1520</li> <li>122*45*1600</li> <li>122*45*1700</li> <li>122*45*1820</li> <li>122*45*2000</li> <li>122*45*2200</li> <li>122*45*2400</li> </ul>	<ul style="list-style-type: none"> <li>122*50*1070</li> <li>122*50*1150</li> <li>122*50*1220</li> <li>122*50*1370</li> <li>122*50*1520</li> <li>122*50*1600</li> <li>122*50*1700</li> <li>122*50*1820</li> <li>122*50*2000</li> <li>122*50*2200</li> <li>122*50*2420</li> </ul>
1.4	Fork carriage width	●1100mm○Yes and not customized	
1.5	Fork carriage height	●1095mm○Yes and not customized	
2.5	Front wheel material	○Pneumatic○solid○Non-marking	
2.6	Rear wheel material	○Pneumatic○solid○Non-marking	
2.7	Battery capacity	○80V205AH○80V280AH○80V410AH	
2.8	Charger	<ul style="list-style-type: none"> <li>80V65A</li> <li>80V35A</li> <li>80V130A</li> <li>80V200A</li> <li>80V35A internal</li> <li>80V60A internal</li> </ul>	
2.9	Battery indicator	●With time	
2.10	Seat type	○Regular○Premium○Suspension○Suspension + seatbelt logic switch	
2.11	Attachments	●No○Built-in sideshifter○External shifter○Fork positioner	●No○Built-in sideshifter○External shifter○Fork positioner
2.13	Traction pin	●Yes	
3.5	Front lamp	●LED	
3.6	Rear lamp	●No○LED	
3.7	Warning lamp	●Yes	
3.8	Steering lamp	●Yes	
3.9	Blue lamp	●No○2 front○1 rear○2 front + 1 rear	
3.10	Area warning lamp	●No○1 left + 1 right (red)	
3.11	Rearview mirror	●1 in the middle○Add rearview mirror on both sides	
3.12	Buzzer	●Yes	
3.17	OPS system	●No○Yes and not customized	
3.23	Telematics	●No○Yes and not customized	
4.3	Cabin	●No○Basic semi-enclosed cabin○Upgrade semi-enclosed cabin○Full cabin	
4.9	Heater	●No○Yes and not customized	

Note: ● standard ○ option — NA

# LINE GRAPH



# RATED CAPACITY

