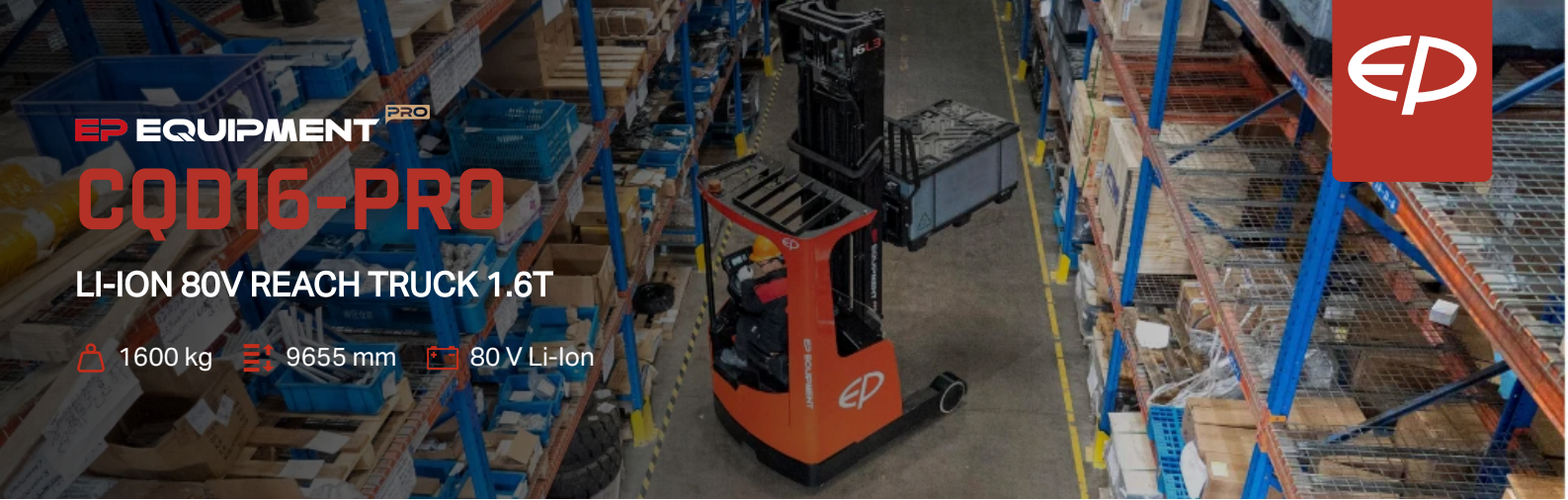


CQD16-PRO

LI-ION 80V REACH TRUCK 1.6T

 1600 kg  9655 mm  80 V Li-Ion



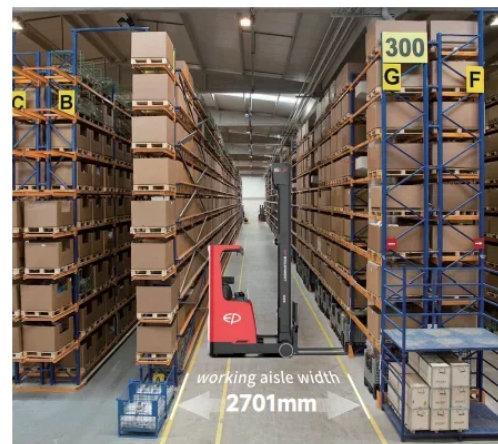
The CQD14/16 PRO series is ideal for high-density warehouses, logistics hubs, and distribution centers. Its optimized mast provides stability at full lift height, while proportional lifting ensures gentle and accurate handling of heavy or fragile goods. With a compact chassis and tight turning radius, it is well-suited for narrow aisles and space-restricted environments. Optional features such as cold storage configuration, safety lamps, and telematics make it adaptable to diverse industry needs.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			CQD16-PRO
Battery voltage		V	80
Rated capacity	Q	kg	1600
Load centre distance	c	mm	600
Service weight		kg	4075
Height, mast lowered	h ₁	mm	3930
Lift	h ₃	mm	9655
Height, mast extended	h ₄	mm	10720
Overall length	l ₁	mm	2465
Overall width	b ₁ /b ₂	mm	1250/1270
Length to face of forks	l ₂	mm	1265
Fork dimensions	s/e/l	mm	40/100/1150
Turning radius	Wa	mm	1680
Drive			Electric
Operator type			Seated

Features

Compact and agile design

With a working aisle width of just 2701 mm, the CQD14/16 PRO is perfectly suited for narrow aisles and high-density racking. Its small turning radius adds agility, making it highly competitive in space-constrained warehouses.



Enhanced mast stability

The optimized mast reaches up to 8 m (CQD14 PRO) and 9.65 m (CQD16 PRO), ensuring stability even under heavy loads. High residual capacity at full height guarantees consistent performance in demanding operations.

Efficient Li-ion power system

Powered by an 80V Li-ion battery (150–280Ah), the series supports fast lifting and lowering speeds and offers convenient external charging. The Li-ion system enables opportunity charging and eliminates battery maintenance.



Operator-focused ergonomics

A spacious cab with unobstructed visibility, electronic steering with damping, and fingertip or joystick controls enhance safety and comfort. Features like proportional lifting and full-color display provide precise handling and ease of use.

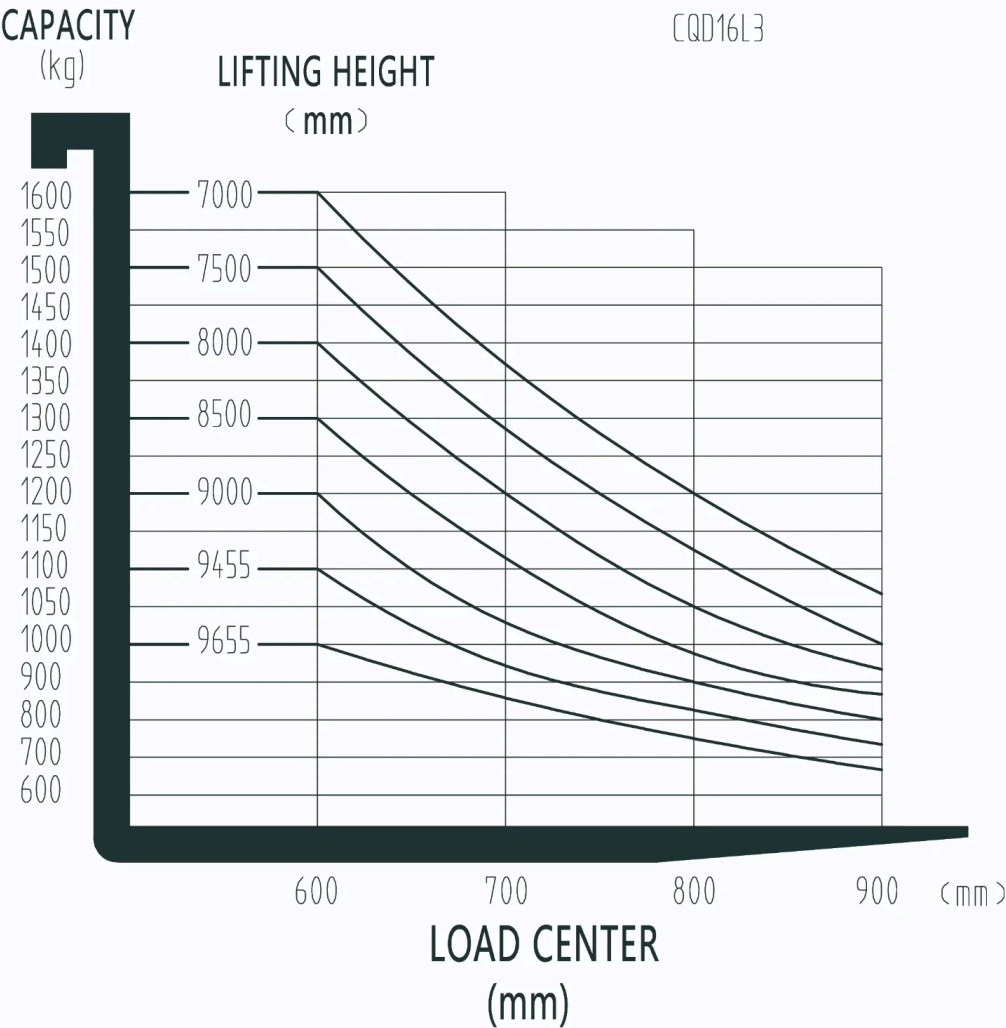
VDI Chart

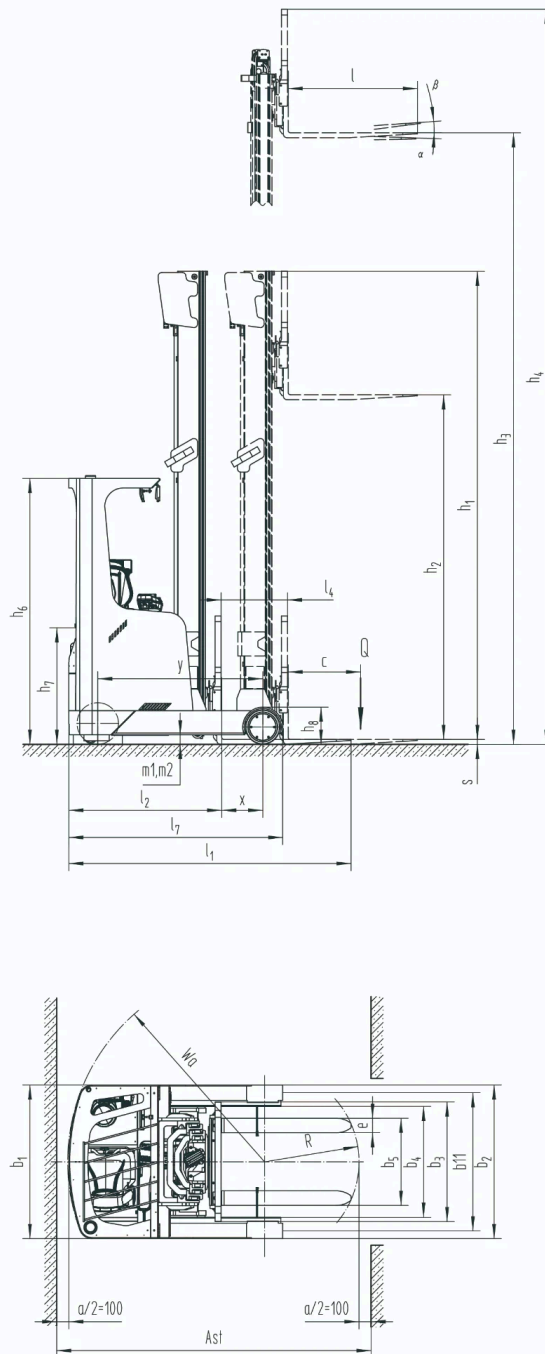
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			CQD16-PRO
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	1600
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	390
1.9	Wheelbase	y	mm	1415
2.1	Service weight		kg	4075
2.2	Axle loading, laden front/rear		kg	1045/4775
2.3	Axle loading, unladen front/rear		kg	2580/1500
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ343×140
3.3	Tyre size, rear		mm	Φ285×100
3.4	Additional wheels (castor wheels)		mm	-
3.5	Wheels, number front/rear (x=drive wheels)			1x/2
3.6	Tread width, front	b ₁₀	mm	-
3.7	Tread width, rear	b ₁₁	mm	1168
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4
4.2	Height, mast lowered	h ₁	mm	3930
4.3	Free lift	h ₂	mm	2877
4.4	Lift	h ₃	mm	9655
4.5	Height, mast extended	h ₄	mm	10720
4.7	Height of overhead guard (cabin)	h ₆	mm	2200
4.8	Seat height relating to SIP/stand height	h ₇	mm	1000
4.10	Height of wheel arms	h ₈	mm	308
4.19	Overall length	l ₁	mm	2465
4.20	Length to face of forks	l ₂	mm	1265
4.21	Overall width	b ₁ /b ₂	mm	1250/1270
4.22	Fork dimensions	s/e/l	mm	40/100/1150
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width	b ₃	mm	990

SPECIFICATION		REF	UNIT	VALUE
4.26	Distance between wheel arms/loading surfaces	b ₄		917
4.31	Ground clearance, laden, below mast	m ₁	mm	75
4.32	Ground clearance, centre of wheelbase	m ₂	mm	70
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2715
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2760
4.35	Turning radius	Wa	mm	1680
4.37	Length across wheel arms	l7	mm	1820
5.1	Travel speed, laden/unladen		km/h	11/11
5.2	Lift speed, laden/unladen		m/s	0.42/0.6
5.3	Lowering speed, laden/unladen		m/s	0.55/0.5
5.8	Max. gradeability, laden/unladen		%	10/15
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	8
6.2	Lift motor rating at S3 15%		kW	22
6.4.1	Battery voltage		V	80
6.4.2	Battery nominal capacity K5		Ah	205
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	180
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	70
15.1	Charger output current		A	100

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

RATED CAPACITIES GRAPH





Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
3-Free Mast	4000	1968	4730	5065	1044	915
3-Free Mast	4500	2138	5230	5565	1214	1085

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
3-Free Mast	5000	2303	5730	6065	1380	1250
3-Free Mast	5500	2468	6230	6565	1544	1415
3-Free Mast	6000	2638	6730	7065	1714	1585
3-Free Mast	6500	2810	7230	7565	1888	1757
3-Free Mast	7000	3048	7730	8065	2124	1995
3-Free Mast	7500	3218	8230	8565	2294	2165
3-Free Mast	8000	3383	8730	9065	2460	2330
3-Free Mast	8500	3603	9230	9565	2680	2550
3-Free Mast	9000	3768	9730	10065	2844	2715
3-Free Mast	9655	3930	10385	10720	3008	2877

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	100*40*1150 100*40*920 100*40*1070 100*40*1220 100*40*1370 100*40*1520
Leg width	917
Fork carriage width option	770mm
Load wheel type	Single
Load wheel material	PU
Drive wheel material	PU
Battery capacity	205Ah 150Ah 280Ah
Charger	80V-150A-Li external 80V-100A-Li external
Seat type	Suspension Suspension +safety belt logic switch
Attachments	Built-in sideshifter
Electrostatic chain	Yes
Castor wheels	No Yes and not customized
Front lamp	LED
Rear lamp	No LED

ITEM	OPTIONS (optional items marked in yellow)
Warning lamp	No Yes and not customized
Area warning lamp	No Yes and not customized
Rearview mirror	One in front
Buzzer	No Yes and not customized
Camera	No Wireless camera
OPS system	Yes and not customized
Telematics	Yes
Cold storage	No Yes and not customized
Overhead guard	Yes Drive-in
Turn speed control	Yes
Operator identification device	No Card reader Fingerprint lock
Drive assembly	ZK25 GK25
Load backrest height	1020mm