

4-Directional Forklift



Model:
CSD16/20

 Conforms to EN ISO3691-1
EN1175
EN16307-1
Based on Directive 2006/42/EC



Advantages:

- CSD 4-directional forklift has multiple functions. It can move forwards, backwards and sideways in both directions. Compared with ordinary forklift truck, CSD's most distinguishing and incomparable feature lies in its excellent flexibility, convenience and maneuverability, it is quite flexible when carrying long loads moving sideways.
- Motor & control system features a low noise, no pollution emission and is green and environment-friendly.
- Most advanced AC variable-frequency control system. AC motor provides the truck a more stable performance and quality, allows high efficiency, low energy consumption and motor maintain free.

- Adopt dual motor drive and double steering system, which allows the truck to drive forwards, backwards, sideways. The operator can freely select appropriate functions according to different working environment and situation.
- Shift between frontal and sideways travel, this function is controlled by prepared program of the electric control system. It has the power-on automatic detection function, if the truck is shut off or incident power failure occurs, the control system will do detection automatically while energizing again, and allow the truck restore to its original state in a very short time.
- Multi-function instrument displaying the battery power, work hour, fault self-diagnosing and alarm. Operator can know the truck conditions quickly, make trouble shooting and maintenance faster and easier.

General Information	1.2	Manufacturer's type designation	CSD16	CSD20
	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric	Electric
Weight	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated
	1.5	Rated capacity/rated load	1600	2000
	1.6	Load centre distance	500	500
Tyres/Chassis	1.8	Load distance, centre of drive axle to fork	330	350
	1.9	Wheelbase	1300	1350
	2.1	Service weight	3600	4300
Dimensions	2.2	Axle loading, laden front/rear	4472/628	5620/680
	2.3	Axle loading, unladen front/rear	1950/1650	2360/1940
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	Polyurethane	Polyurethane
Performance Data	3.2	Tyre size, front	406X152	406X152
	3.3	Tyre size, rear	15X4(1/2)-8	15X4(1/2)-8
	3.5	Wheels, number front/rear (x = driven wheels)	2x/2	2x/2
Motors	3.6	Tread, front	b10 (mm)	1133
	3.7	Tread, rear	b11 (mm)	199
	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	3/5
Additional Data	4.2	Height, mast lowered	h1 (mm)	2090
	4.3	Free lift	h2 (mm)	0
	4.4	Lift	h3 (mm)	3000
Mast Table	4.5	Height, mast extended	h4 (mm)	3800
	4.7	Height of overhead guard (cabin)	h6 (mm)	2100
	4.8	Seat height relating to SIP/stand height	h7 (mm)	990
Mast Table	4.12	Coupling height	h10 (mm)	560
	4.19	Overall length	l1 (mm)	2890
	4.20	Length to face of forks	l2 (mm)	1820
Mast Table	4.21	Overall width	b1/b2 (mm)	1622
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	35X100X1070
	4.24	Fork-carriage width	b3 (mm)	1560
Mast Table	4.31	Ground clearance, laden, below mast	m1 (mm)	90
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	100
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	3150
Mast Table	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3280
	4.35	Turning radius	Wa (mm)	1500
	5.1	Travel speed, laden/unladen	km/h	10/10
Mast Table	5.2	Lift speed, laden/unladen	m/s	0.29/0.45
	5.3	Lowering speed, laden/unladen	m/s	0.45/0.43
	5.7	Gradeability, laden/unladen	%	15/20
Mast Table	6.1	Drive motor rating S2 60 min	kW	2x5.0(AC)
	6.2	Lift motor rating at S3 15%	kW	8.2(AC)
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah)	48/490
Mast Table	6.5	Battery weight	kg	900
	10.7	Sound pressure level at the driver's seat	dB (A)	68

Mast Table

Model	Max.lifting height(h3)	Height, mast lowered(h1)	Height,mast extended (h4)	Free lifting(h2)	
				With overhead guard	Without overhead guard
CSD16/CSD20	mm	mm	mm	mm	mm
	3000	2090	3800	0	0
	3500	2340	4300	0	0
	4000	2590	4800	0	0
	4500	2150	5300	1500	1500
	5000	2240	5800	1650	1650
	6200	2640	7000	2050	2050

