

4-Wheel Pneumatic Forklift 8,000 & 10,000lbs CPD45SF8/ CPD50F8



- Heavy duty lithium powered pneumatic series designed for rugged outdoor applications
- Designed with superior ergonomics in legroom, steering column adjustability, and seat comfort
- 80V system using EP Energy's 560Ah lithium battery and a powerful AC Drive Motor
- On-Board integral charger allows charging from any standard outlet
- External chargers up to 155A for heavy duty charge/runtime ratios

Manufacturer	COSMEC		
Model designation			CPD50F8
Drive	Electric		
Base capacity	Q	lb.	10000
Load center distance	c	in.	24
Service weight, without battery (w/battery)		lb.	16,782 (17, 674)
Collapsed Height	h1	in.	91
Maximum fork height	h3	in.	185
Height, mast extended with Std. LBR	h4	in.	232.3
Length to face of forks	l2	in.	120.4
Overall width	b1/b2	in.	61.0
Fork dimensions	s/e/l	in.	2.2x6x48
Turning radius	Wa	in.	109
Travelspeed, loaded/unloaded		mph	8.7/9
Lifting speed, loaded/unloaded		fpm	51/88.5
Lowering speed, loaded/unloaded		fpm	100/84
Max. gradeability, loaded/unloaded		%	14/15
Drive motor rating S2 60 min		kW	18
Battery voltage/nominal capacity		V/Ah	80V560Ah / 80V460Ah

FEATURES

■ Excellent outdoor capabilities

IPX4 rated components and solid pneumatic tires on a compact chassis fits a wide variety of outdoor applications and yet nimble enough for indoor applications.



■ 80v system and Cosmec Energy Battery

Lithium technology has proven itself as an emission and maintenance free alternative to internal combustion. The platform features an 80V system with capacities up to 560Ah and a wide range of on-board and external chargers up to 155A.



4-wheel pneumatic forklift 10,000lbs

CPD50F8

Distinguishing mark	1.1	Manufacturer				COSMEC
	1.2	Model designation				CPD50F8
	1.3	Drive				Electric
	1.4	Operator type				Seated
	1.5	Base capacity	Q	lb.		10000
	1.6	Load center distance	c	in.		24
	1.8	Load distance, center of drive axle to fork	x	in.		21.6
	1.9	Wheelbase	y	in.		78.7
Service weight	2.1	Service weight		lb.		17674
	2.2	Axle loading, loadedfront/rear		lb.		25174/2513
	2.3	Axle loading, unloadedfront/rear		lb.		9310/8356
Tires/chassis	3.1	Tire type				Solid Pneumatic
	3.2	Tire size, front				28X12.5-15
	3.3	Tire size, rear				23X10-12
	3.5	Wheels, number front/rear (x=drivewheels)		in.		2x/2
	3.6	Tread width, front	b ₁₀	in.		49.7
	3.7	Tread width, rear	b ₁₁	in.		42.7
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°		6/6
	4.2	Collapsed Height	h ₁	in.		91
	4.3	Free lift	h ₂	in.		44.5
	4.4	Maximum fork height	h ₃	in.		185
	4.5	Height, mast extended with Std. LBR	h ₄	in.		232.3
	4.7	Height of overhead guard (cabin)	h ₆	in.		92.6
	4.8	Seat height/standing height	h ₇	in.		47.6
	4.12	Tow coupling height	h ₁₀	in.		14.8
	4.19	Overall length	l ₁	in.		168.5
	4.20	Length to face of forks	l ₂	in.		120.4
	4.21	Overall width	b/b ₂	in.		61.0
	4.22	Fork dimensions	s×e×l	in.		2.2x6x48
	4.23	A,B Fork carriage class/type A, B				3A
	4.24	Fork carriage width	b ₃	in.		49.2
	4.31	Ground clearance, loaded,belowmast	m ₁	in.		5.1
	4.32	Ground clearance, center of wheelbase	m ₂	in.		5.5
	4.34.1	Right Angle Stack (x +wa)	Ast	in.		130.6
	4.34.2	Minimum Aisle Width (Right Angle Stack + Load Length + Clearance)	Ast	in.		190.6
	4.35	Turning radius	Wa	in.		109
Performance data	5.1	Travel speed, loaded/unloaded		mph		8.7/9.0
	5.2	Lifting speed, loaded/unloaded		fpm		51/88.5
	5.3	Lowering speed, loaded/unloaded		fpm		100/84
	5.8	Max. gradeability, loaded/unloaded		%		14/15
	5.10	Service brake				Hydraulic
	5.11	Parking brake				Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min		kW		18
	6.2	Lift motor rating at S3 15%		kW		25.4
	6.4	Battery voltage/nominal capacity		V/Ah		80V560Ah / 80V460Ah
	6.5	Battery weight		lb.		892
Additional data	8.1	Type of drive control				AC
	10.5	Steering design				Hydraulic
	10.7	Sound pressure level at the driver's ear		dB(A)		< 75

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

