

**Pedestrian pallet stacker  
with ride on option**

The PF16 is a pedestrian forklift stacker with ride on option. Rated load capacity is 1600kg. The max lifting height is 5500mm. This machine is small and cost effective, perfect for use over flat ground, second floors and containers.

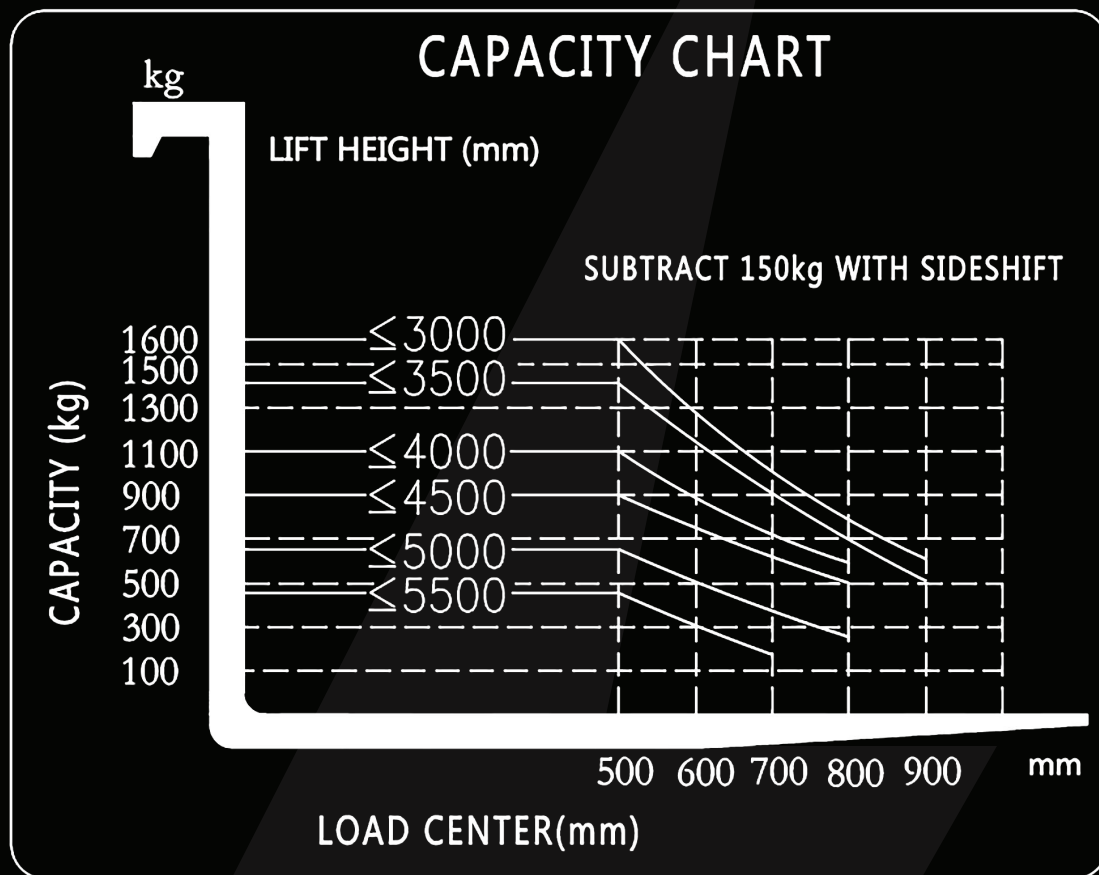
- Uses 30% less energy than a typical forklift
- Water and dust resistance enables outdoor use.
- Works with all pallet types.



# PF16 Product Specification

Standard				
1.1	Brand		KELVIN	KELVIN
1.2	Model		PF16 (Single cylinder duplex mast)	PF16 (Triplex full free mast)
1.3	Power type		Battery	Battery
1.4	Operation type		Stand on	Stand on
1.5	Rated capacity	Q(kg)	1600	1600
1.6	Load center	C(mm)	500	500
1.7	Wheelbase	y(mm)	1250	1250
Weight				
2.1	Service weight (incl battery)	kg	2300	2500
Wheel				
3.1	Wheel type		PU	PU
3.2	Load wheel	mm	φ210x85	φ210x85
3.3	Drive wheel	mm	φ230x75	φ230x75
3.4	Number of wheels, front/rear (x=drive wheel)		2/1x+2	2/1x+2
3.5	Wheel tread, load side	b11(mm)	967	967
Size				
4.1	Tilting	$\alpha/\beta^{\circ}$	2/5 (Mast tilting)	2/5 (Fork tilting)
4.2	Mast closed height	h1(mm)	Refer to the mast specification	Refer to the mast specification
4.3	Free lift height	h2(mm)	Refer to the mast specification	Refer to the mast specification
4.4	Lift height	h3(mm)	Refer to the mast specification	Refer to the mast specification
4.5	Mast extended height with load-backrest	h4(mm)	Refer to the mast specification	Refer to the mast specification
4.6	Overall length	L1(mm)	2765*	2765*
4.7	Overall width	b1/b2(mm)	900/1060	900/1100
4.8	Fork size	l/e/s(mm)	1070/100/35	1070/100/35
4.10	Fork outside width	b5(mm)	220-710	220-710
4.12	Handle height	(mm)	1025/1445	1025/1445
4.13	Mast ground clearance	(mm)	70	70
4.14	Aisle width for pallet 1000*1200mm pedal off	Ast(mm)	2950*	2950*
4.15	Aisle width for pallet 800*1200mm pedal off	Ast(mm)	3070*	3070*
4.16	Turning radius (pedal off)	Wa(mm)	1590*	1590*
Function				
5.1	Driving speed (load/unload)	km/h	5.5/6	5.5/6
5.2	Lifting speed (load/unload)	mm/s	100/140	100/125
5.3	Lowering speed (load/unload)	mm/s	100/95	100/95
5.4	Max. gradeability (load/unload)(S2-5min)	%( $\tan\theta$ )	6/10	6/10
5.5	Brake type		Electromagnetic	Electromagnetic
Drive				
6.1	Driving motor (S2-60min)	kw	1.5	1.5
6.2	Lifting motor (S3-10%)	kw	2	3
6.3	Battery voltage/capacity	V/Ah	24/210(Optional270)	24/210(Optional270)
6.4	Battery weight	kg	185	185
6.5	Steering system		EPS	EPS
6.6	Side shift option		Not Available	Not Available
6.7	Tilt shift option		Available	Available
6.8	Flip down ride on platform option		Available	Available

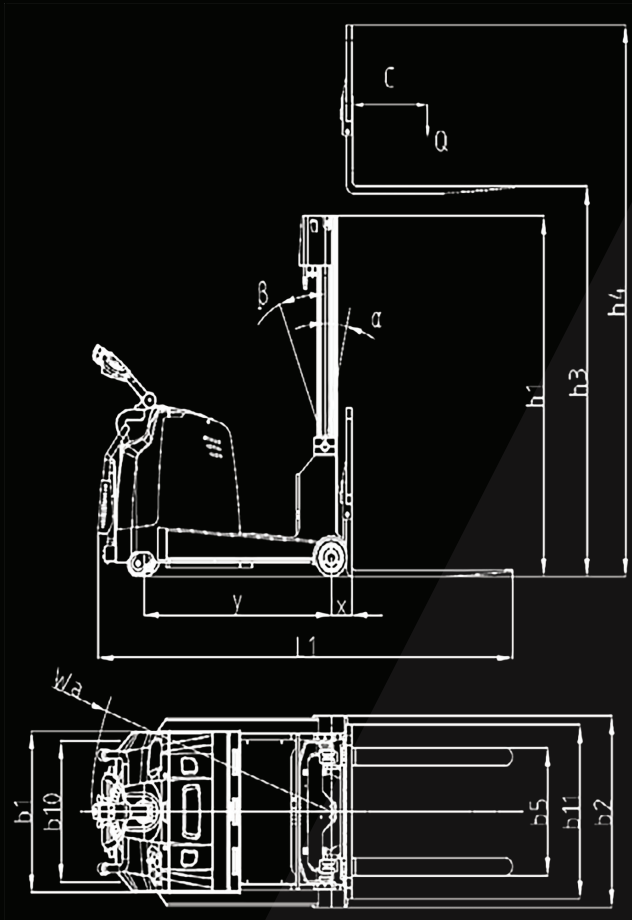
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			Single cylinder		Double cylinder dulpex mast			
Lift height options	h3	mm	1600	2500	3000	3500	4000	4500
Mast closed height	h1	mm	2090	1760	2010	2260	2560	2810
Mast extended height	h4	mm	2500	3410	3910	4410	4910	5410

Triplex full free mast								
Lift height options	h3	mm	4000	4500	5000	5500		
Mast closed height	h1	mm	1934	2100	2266	2432		
Free lift height	h2	mm	989	1155	1321	1487		
Mast extended height	h4	mm	4935	5435	5935	6435		

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Suitable for open and closed pallets



IP65 waterproof 3 pin plug type charger included







[www.kelvinengineering.co.uk](http://www.kelvinengineering.co.uk)

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