

PALLET STACKER

PS12/16/20N

ELECTRIC STACKER

UN forklifts are designed to excel in the most challenging environments with increased safety, enhanced cooling systems, reduced noise and vibration all with low maintenance. With refined performance at an affordable price, UN Forklifts reduce the total cost of ownership and provide reliable and efficient solutions to drive productivity in your operations.



MODEL		PS12N(3600)	PS16N(5500)	PS20N(4600)
GENERAL SPECIFICATIONS				
Power (battery,diesel, petrol, gas, manual)		Battery		
Operator type		Pedestrian		
Load Capacity / rated load	Q (t)	1.2	1.6	2.0
Load centre distance	c (mm)	600		
Load distance ,centre of drive axle to fork	x (mm)	647		
Wheelbase	y (mm)	1167	1215	1327
WEIGHT				
Service weight	kg	1080	1380	1620
Axle loading, laden front/rear	kg	830/1420	990/1940	1160/2410
Axle loading, unladen front/rear	kg	750/300	890/440	1040/540
TIRES, CHASSIS				
Tires		Polyurethane(PU)		
Tire size,front	Øxw (mm)	Ø230x70		
Tire size,rear	Øxw (mm)	Ø84x70		
Additional wheels(dimensions)	Øxw (mm)	Ø150x54		
Wheels,number front/rear(x=driven wheels)		1x+1/4		
Tread, front	b10 (mm)	510		
Tread, rear	b11 (mm)	390/505		



Market leading engines ensure superior performance, durability and excellent fuel efficiency. All diesel forklifts have Mitsubishi or Isuzu engines. The LPG and gasoline forklifts utilise Nissan engines.

MODEL		PS12N(3600)	PS16N(5500)	PS20N(4600)
DIMENSIONS				
Lowered mast height	h1 (mm)	2308	2410	2228
Free Lift height	h2 (mm)	1760	1820	1520
Lift height	h3 (mm)	3530	5430	4530
Extended maximal height	h4 (mm)	4088	6110	5208
Height of tiller in drive position min./ max.	h14 (mm)	950/1350		
Height, lowered	h13 (mm)	90		
Overall length	l1(mm)	1855 ¹⁾	1896 ¹⁾	2025 ¹⁾
Length to face of forks	l2 (mm)	705 ¹⁾	746 ¹⁾	875 ¹⁾
Overall width	b1 (mm)	790		
Fork dimensions	s/e/l (mm)	60/180/1150		
Distance between fork-arms	b5 (mm)	570/685		
Ground clearance, centre of wheelbase	m2 (mm)	28	28	28
Aisle width for pallets 1000X1200 crossways	Ast (mm)	2285 ¹⁾	2325 ¹⁾	2455 ¹⁾
Aisle width for pallets 800X1200 lengthways	Ast (mm)	2250 ¹⁾	2290 ¹⁾	2420 ¹⁾
Turning radius	Wa (mm)	1380 ¹⁾	1420 ¹⁾	1550 ¹⁾
PERFORMANCE DATA				
Travel speed, laden/ unladen	km/h	7.0/8.0	6.0/7.0	6.0/7.0
Lift speed, laden/ unladen	m/s	0.09/0.14	0.13/0.20	0.13/0.20
Lowering speed, laden/ unladen	m/s	0.25/0.20	0.28/0.23	0.28/0.23
Max. gradeability, laden/ unladen	%	6/12		6/10
Service brake		Electromagnetic		
ELECTRIC - ENGINE				
Drive motor rating S2 60min	kW	1.4		
Lift motor rating at S3 4.5%	kW	1.5/3.2	3.2	3.2
Battery acc. to DIN 43531/35/36 A, B, C, no		2VBS	3VBS	3PZS
Battery voltage, nominal capacity K5	V/Ah	24/160-180	240/210-270	24/270-350
Battery weight +/-5%	kg	155-175	185-235	235-285
Energy consumption acc: to VDI cycle	kWh/h	0.95	1.34	1.70
ADDITIONAL DATA				
Type of drive control		AC-Speed Control		
Sound level at driver's ear acc. to EN 12053	dB(A)	<69		



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