

PT20/25N

**Ride-on Electric Pallet Truck
With Capacity of 2000/2500kg**

INTRODUCTION

The trucks designed to be used with high efficiency even during their multi-shift operation. The configuration of the trucks allows you to get more powerful and productive units thanks to its increased speed and different options of batteries, including Lithium solutions.

The range of stackers includes the wide list of models with capacity from 1200 kg to 2000 kg and lifting height up to 5500 mm.

One of the key features of stacker range lies in the compact design and structure: who else can provide the similar configuration with the same maneuverability?

Four point structure allows to reduce the width of truck without sacrificing its stability and residual capacity. New model range of stackers can go through narrow aisles without any problem.

There is no doubt that our customers can enjoy comfort of operation in tight areas and improved speed on long distances with these models.



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NOBLELIFT

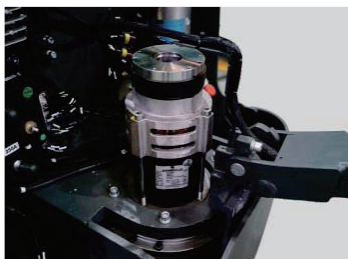
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ADVANTAGES

- Ergonomic, Compact and Reliable design
- High Speed Design with Integrated Ride-On Platform
- Top Brand Key Components for High Performance
- Various Configurations for Different Application Needs



Powerful AC-drive unit from the global industry leaders: the AC driving motor designed and produced by Schabmüller comes together with the top quality ZF gearbox and it is equipped with Intorq electromagnetic brake. The drive unit can provide the drive speed up to 8 km/h. The use of top level quality drive wheels from German manufacturers Rader Vogel or Wicke helps to ensure the long life time of PU tires.



Rema tiller delivers high level of ergonomics as well as reliability of control system. In addition, the tiller ensures a long life-time thanks to the contactless rocker switches designed for lifting/lowering function .



The model range can be equipped with the option of Electric Power Steering (EPS) which delivers precise and fast control for the position of steering wheel and has a high level of reliability as well as safety according to official standards.



The integrated design of operator's platform and protective arms as well as totally new internal structure allows to ensure the smallest body length of the stackers and provide extremely low turning radius among competitors. Together with this, the suspension system for the platform helps to provide the high level of comfort to operators.



The driving controllers and steering controllers are manufactured by Zapi (Italy) - the leading European brand with long history in the industry, which provides extremely reliable and flexible solutions with high performance level of the control system.



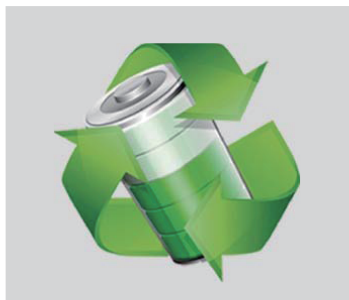
The option of side battery replacement allows customers to use the truck with multi-shift operation and not to waste time on complicated procedure of battery replacement through the top. With help of specially designed trolley, the batteries can be replaced fast and effortlessly.



The use of apron with 8 mm thickness allows to ensure the robustness of chassis and its strength even in case of collision against objects. The strong battery cover made out of steel helps to provide a high level of strength for this part.



The option of PIN-code panel access, which works not only with PIN-code but also with access cards (RFID) , can significantly simplify the procedure of access limitation for the fleet which may be used by more than one operator. The option of built-in charger may help to simplify charging processes for the customers using the trucks not so intensively (without multi-shift operation connected with necessity of battery replacement)



The model range can be equipped with Lithium batteries. The use of lithium solution from Noblelift will allow you to enjoy benefits of Lithium technology such as Fast charging, Opportunity charging, Maintenance free, Environmental-friendly, Smart Diagnosis of battery status, Lower cost of Total Ownership with long service life.

Distinguishing mark	1.2	Manufacturer`s type designation		PT 20N	PT 25N
	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery	
	1.4	Operator type		Pedestrian/Stand	
	1.5	Load Capacity / rated load	Q (t)	2.0	2.5
	1.6	Load centre distance	c (mm)	600	600
	1.8	Load distance ,centre of drive axle to fork	x (mm)	892 ¹⁾	892 ¹⁾
	1.9	Wheelbase	y (mm)	1300 ^{1) 2) 4)}	1435 ¹⁾
Weight	2.1	Service weight	kg	650	820
	2.2	Axle loading, laden front/rear	kg	1110/1540	1370/1950
	2.3	Axle loading, unladen front/rear	kg	510/140	600/200
Tyres, chassis	3.1	Tires		Polyurethane (PU)	
	3.2	Tire size, front	Øx w (mm)	210X70	
	3.3	Tire size, rear	Øx w (mm)	84X84	
	3.4	Additional wheels(dimensions)	Øx w (mm)	100x40	
	3.5	Wheels,number front/ rear(x=driven wheels)		1x+2/4	
	3.6	Tread, front	b10 (mm)	560	
	3.7	Tread, rear	b11 (mm)	367/512	
Dimensions	4.4	Lift	h3 (mm)	120	
	4.9	Height of tiller in drive position min./ max.	h14 (mm)	950/1350	
	4.15	Height, lowered	h13 (mm)	85	
	4.19	Overall length	l1 (mm)	1790 ^{2) 3)}	1895
	4.20	Length to face of forks	l2 (mm)	640 ^{2) 3) 4)}	745 ³⁾
	4.21	Overall width	b1 (mm)	790	
	4.22	Fork dimensions	s/e/l (mm)	55/173/1150	
	4.25	Distance between fork- arms	b5 (mm)	540/685	
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	30	
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2400 ^{2) 3) 4)} 2290 ^{2) 3) 4)}	2505 ³⁾ 2395 ³⁾
	4.35	Turning radius	Wa (mm)	1585 ^{2) 3) 4)}	1690 ³⁾
Performance data	5.1	Travel speed, laden/ unladen	km/h	7.5/8.0	6.0/7.0
	5.2	Lift speed, laden/ unladen	m/s	0.025/0.030	0.035/0.045
	5.3	Lowering speed, laden/ unladen	m/s	0.030/0.025	0.045/0.050
	5.8	Max. gradeability, laden/ unladen	%	8/15	
	5.10	Service brake		Electromagnetic	
Electric- Motor	6.1	Drive motor rating S2 60min	kW	1.4	
	6.2	Lift motor rating at S3 10%	kW	0.8	2.2
	6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		/	/
	6.4	Battery voltage, nominal capacity K5	V/ Ah	24/210 2PzS	24/350 3PzS
	6.5	Battery weight	kg	185	285
	6.6	Energy consumption acc. to VDI cycle	kWh/h	0.36	0.90
Additional data	8.1	Type of drive control		AC -Speed Control	
	8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	69	

1) Load section lowered: +65 mm; 2) With side battery removal: + 30 mm; 3) With unfolded platform: + 440 mm

4) With 3VBS battery: $y = \text{XXX mm}$; $l_2 = \text{XXX mm}$; $A_{st} = -\text{XX mm}$; $W_a = -\text{XX mm}$

