NOBLELIFT
Material Handling

PS35/40TSL

3500/4000 lbs

STRADDLE-LEG WALKIE ELECTRIC STACKER

- Long-tiller Design
- Capacity 3500/4000lbs
- Easy Maintenance
- High Performance
- Powerful Battery
- Robust Design
- Full Proportional Lift
- CAN-BUS Technology

NEW ARRIVAL Noblelift Products

Noblelift North America Corp.

www.nobleliftna.com

Straddle leg

Adjustable straddle leg design, suitable for diverse pallet sizes and more stablity.

Easy Assembly

Multi position straddle allows for easy assembly, multiple pallet widths and excellent stability.

For every application the right battery capacity

The right battery:
PS 35/40TSL 24 volt 270 AH battery standard.

Built in USB-connector

USB-connector for charging of additional devices during warehouse operations.

Maintenance friendly

The trucks design and component placement allow for easy service and maintenance. Two screws are used to hold cover in place allowing fast and easy access to all components. Drive wheel and caster can be removed and replaced without use of additional lifting devices.

CAN-BUS

CANBUS technology

Can-Bus technology allows for fewer wires and increased dependability. Can-Bus technology slows for easier adjustments and troubleshooting reducing downtime. New digital display outperforms analog.

ZAPI Controller

ZAPI Controller and Battery Indicator with hour meter as well as fault code display for easy maintenance.

Electronic proportional lifting and lowering

The electronically controlled proportional lifting system ensures accurate positioning and stacking operations at every lifting height.

Proportional lifting increases productivity especially at higher lift heights.

Long tiller design for ergonomics and safety

Long tiller design keeps operator at a safe distance while providing an ergonomic hand position.

Reduced force to the operator allows for easy and ergonomic control of the operation of the truck.

Handle operating heights are varied allowing for comfortable and efficient use of multiple operators.

Mesh protection

Mesh protection for safety as well as great visibility during operation. Strong design with no reflection or scratches from Plexiglass.

Robust and Reliable Design

The robust chassis with the strong 0.3in thick apron protects the truck and the components against mechanical impacts from the outside.

In combination with the metal battery cover, the truck is well-equipped to keep damages to a minimum.

Dirty floor environments have less influence to the vertical AC motor design as the components and the brake are out of the reach of direct impacts.

IP54 protected controller, safe from dust or rain.

Easy maintenance

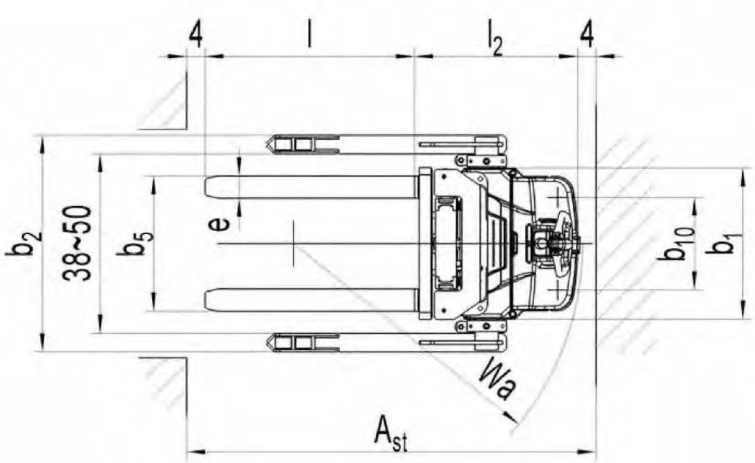
Easy maintenance or replacement of the drive wheel after long term use.

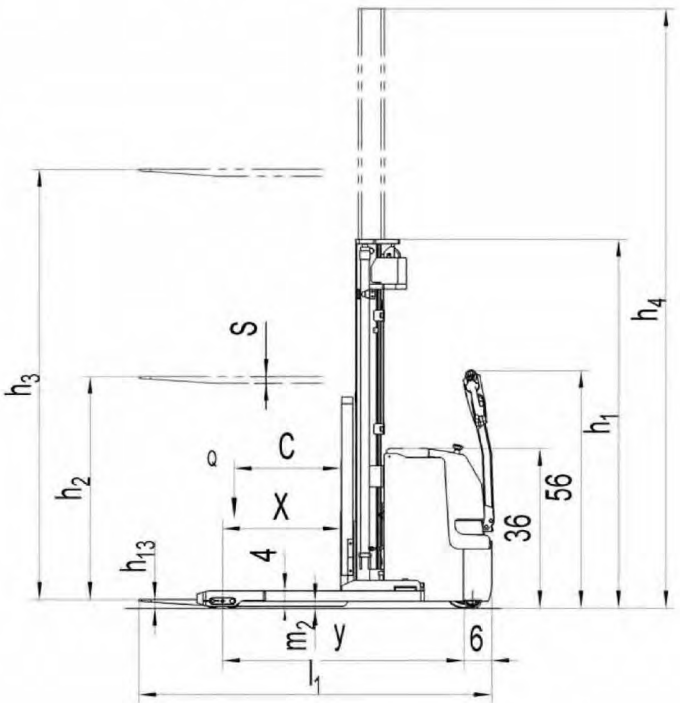
ZF drive technology

The powerful Schabmuller maintenance free AC Drive motor in combination with the ZF gearbox, Intorq brake and Rader Vogle drive wheel gives best performance, efficiency and reliability to reduce operating costs!

Whether smooth or fast acceleration is applied, the AC Drive always gives the right and direct response.

Designation	Lowered mast height h_1(in)	Free Lift height h_2(in)	Lift height h_3(in)	Extended mast height h_4(in)	Lift+fork height h_3+h_{13}(in)
PS35TSL					
Two stage mast	77	/	111	133	113
	83	/	122	145	124
	91	/	138	161	140
Two stage mast FFL (Full-Free-Lift)	77	55.5	110	133	113
	83	61.4	122	145	124
	91	69.3	138	161	140
Three stage mast	79	/	166	188	168
	83	/	178	200	180
Three stage mast FFL (Full-Free-Lift)	75	52	154	176	156
	79	55.9	166	188	168
	83	59.8	178	200	180
	92	69.1	205	228	207
PS40TSL					
Two stage mast	82	/	111	138	113
	88	/	122	150	124
	96	/	138	165	140
Two stage mast FFL (Full-Free-Lift)	78	51.6	103	130	105
	82	55.5	111	138	113
	88	61.4	122	150	124
	96	69.3	138	165	140
Three stage mast	84	/	166	193	168
	88	/	178	205	180
Three stage mast FFL (Full-Free-Lift)	78	51.6	154	181	156
	84	55.9	166	193	168
	88	59.8	178	205	180





Type sheet for industrial truck acc. to VDI 2198

Distinguishing mark				
1.2	Manufacturer`s type designation		PS35TSL(181)	PS40TSL(181)
1.3	Power (battery ,diesel, petrol, gas, manual)		Battery	
1.4	Operator type		pedestrian	
1.5	Load Capacity / rated load	Q(lbs)	3500	4000
1.6	Load centre distance	C(in)	23.6[1)]	23.6[1)]
1.8	Load distance ,centre of drive axle to fork	x(in)	26.1[2)]	25.5[2)]
1.9	Wheelbase	y(in)	54.3	54.3
Weight				
2.1	Service weight	lbs	3262.8	3439.2
2.2	Axle loading, laden front/rea	lbs	1823.2/4967	1966.5/5242.6
2.3	Axle loading, unladen front/rear	lbs	1904.8/1358	2037/1402
Tires, chassis				
3.1	Tires		Polyurethane (PU)	
3.2	Tire size, front	ΦxW (in)	Φ 9×2.8	
3.3	Tire size, rear	ΦxW (in)	Φ 3.3×2.8	
3.4	Additional wheels(dimensions)	ΦxW (in)	Φ 4x1.6	
3.5	Wheels, number front/rear(x=driven wheels)		1x+2/4	
3.6	Track, front	b_{10}(in)	19.7	
Dimensions				
4.2	Lowered mast height	h_1(in)	83	87.7
4.3	Free Lift height	h_2(in)	60	60
4.4	Lift height	h_3(in)	177.6	177.6
4.5	Extended mast height	h_4(in)	200	204.7
4.9	Height of tiller in drive position min./ max.	h_{14}(in)	35/56	
4.15	Height, lowered	h_{13}(in)	2	
4.19	Overall length	l_1(in)	82	82.4
4.20	Length to face of forks	l_2(in)	36.4	37
4.21	Overall width	b_1/b_2(in)	32.1/46-58	
4.22	Fork dimensions	s/e/l(in)	1.6x4.7x42	1.6x4.7x42
4.25	Distance between fork-arms	b_5(in)	10-28.7	10-28.7
4.32	Ground clearance, centre of wheelbase	m_2(in)	1.6	
4.33	Aisle width for pallets 1000X1200 crossways	Ast(in)	96	96.3
4.34	Aisle width for pallets 800X1200 lengthways	Ast(in)	95.2	95.7
4.35	Turning radius	Wa(in)	61	61
Performance				
5.1	Travel speed, laden/ unladen	mph	3.5/3.7	3.4/3.7
5.2	Lift speed, laden/ unladen	fpm	25.59/35.43	25.59/35.43
5.3	Lowering speed, laden/ unladen	fpm	39.37/27.56	39.37/27.56
5.8	Max. gradeability, laden/ unladen	%	6/12	6/10
5.10	Service brake		Electromagnetic	
Electric-engine				
6.1	Drive motor rating S2 60min	HP	1.88	1.88
6.2	Lift motor rating at S3 10%	HP	4.29	4.29
6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		3VBS	3VBS
6.4	Battery voltage, nominal capacity K5	V/Ah	24/270	24/270
6.5	Battery weight	lbs	507	507
6.6	Energy consumption acc: to VDI cycle	kWh/h	1.59	1.70
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)	＜70	

Note: 1）with side shift, load centre distance is 19.7 inch 2）with side shift, load distance is 2.2 inch shorter

PS 35/40TSL

Straddle-leg Electric Pedestrian Stacker with capacities of 3500/4000lbs

ADVANTAGES

- The PS35/40TSL is tailored to most pedestrian controlled stacking operations with capacities from 3500lbs up to 4000lbs.
- Ergonomic tiller allows for efficient and safe operation.
- Proportional lifting allows for efficient and safe lifting of any product at any lift speed.
- By using high quality, state of the art components, this stacker will out perform and last longer than comparable stackers on the market today.
- 3 Wheel Structure for Great Stablity and Traction.

AUTHORIZED DEALER

Noblelift North America Corp

Add:2461 S Wolf Road, Des Plaines, IL 60018
Tel:847-595-7100
Fax:847-595-7200
Email:sales@nobleliftna.com
Http: www.nobleliftna.com