



## Product Information

IXION

SPE160



### Powered Stacker for heavy duty

The SPE160 is a high capacity powered stacker, designed for both horizontal and vertical transport.

- The **comfortable steering arm**, with its modern design, facilitates one hand operation. The lifting and lowering functions (continuous adjustment) are both ergonomically placed on the steering arm. The display on the handle gives useful information. **PIN Code** (up to 10) instead of key. Provides access control. Each code can store individual parameters to meet the driver's skill / environment.
- Two different **battery compartments** together with three **different chassis width** provide the truck with flexibility and exceptional manoeuvrability.
- The truck is equipped with **POWERTRAK** drive unit configuration — a BT patent. The drive wheel pressure is constantly adjusted due to the weight of the load. The result is excellent stability, optimal traction and steering force.
- The **BT POWERDRIVE system**. The unique integration of contactless controls, CAN-Bus communication and a separately excited drivemotor gives many advantages. The contactless controls give smooth and effortless driving. The CAN-Bus communication provides quick, reliable transmission and only a few communication cables are needed. The separately excited drivemotor allows easy **programming of its performance** — top speed, acceleration and automatic speed reduction — to suit the application.
- The variable-speed controlled pump and proportional valve of the **SENSI-LIFT** result in stepless speed control of the fork.
- The spring loaded **driver's platform** provides the driver with a comfortable driving position, allowing the feet to be wide apart for maximum balance and safety.



Technical Details		SPE160
Operating type		pedestrian/stand on
Rated capacity	kg	1600
Load centre	mm	600
Weight without battery, min./max.	kg	1090/1350
Max. axle load drive wheel, without/with rated load	kg	390/620
Max. axle load castor wheels, without/with rated load	kg	640/610
Max. axle load supp.wheels, without/with rated load	kg	410/1810
Travel speed, without/with rated load	km/h	8/7
Lift speed, without/with rated load	m/s	0.22/0.15 <sup>1)</sup>
Lowering speed, without/with rated load	m/s	0.25/0.49 <sup>1)</sup>
Gradient, without/with rated load	%	12/10
Drive motor/Intermittent rating (S2 60')	kW	1,7
Lift motor/ Intermittent rating (S3 11%)	kW	3
Service-/parking brake		1 stage electromagnetic brake
Battery weight, min./max.	kg	200/320
Battery (5h discharge)	V/Ah	24/180—440
Steering system		steering arm
Speed control		transistor, stepless
Steering arc	°	180

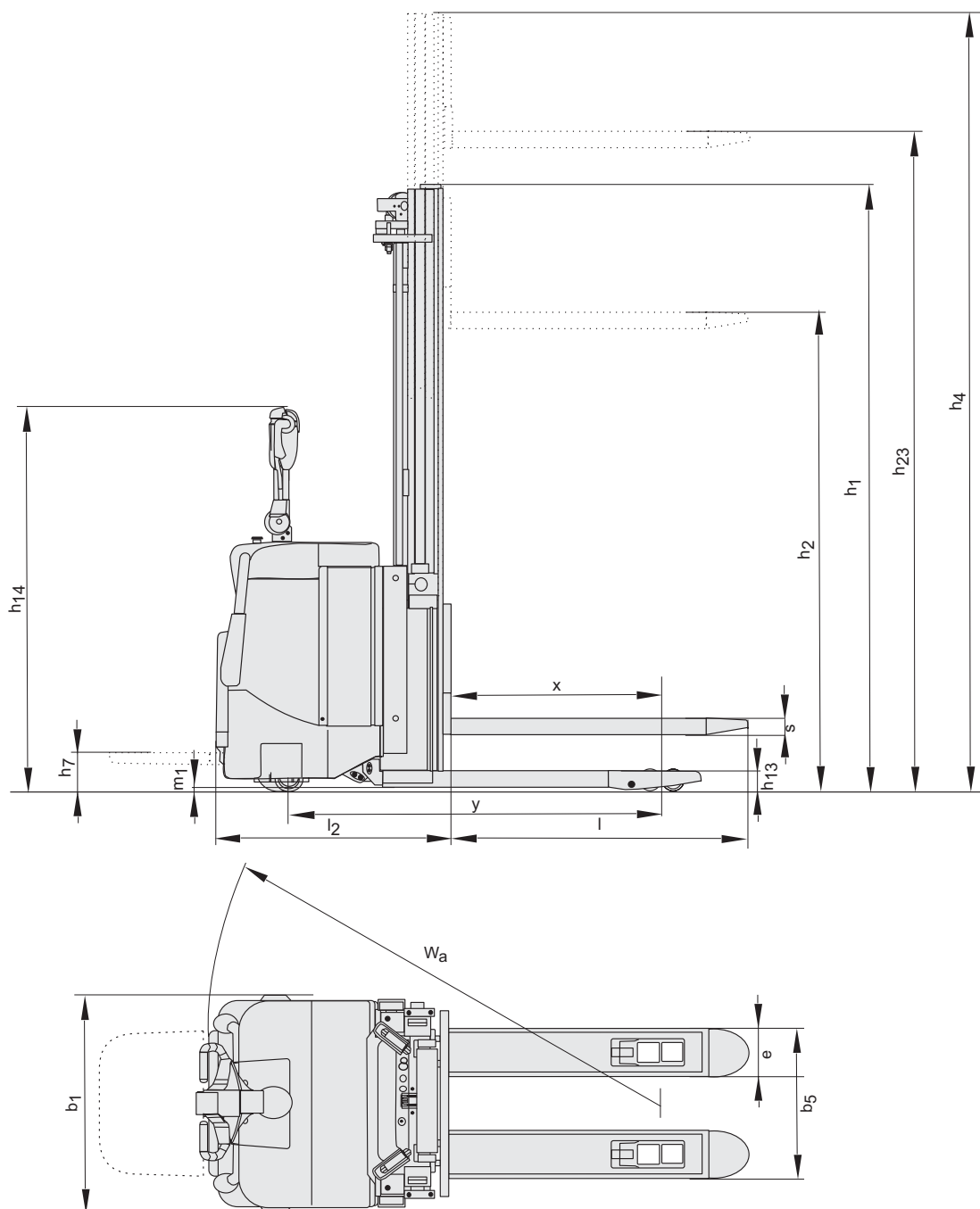
Dimensions, mm		SPE160
x	Back of fork to bogie wheel centre	786
y	Wheelbase	1440
	Drive wheel movement up/down	15/30
	Drive wheel, Power friction or powerthan	Ø 215
	Castor wheels, Vulkollan	Ø 125x50
	Support arm wheels, bogie, Vulkollan	Ø 85x75
h <sub>7</sub>	Platform height	150
h <sub>14</sub>	Height of handle in neutral pos.	1435
h <sub>13</sub>	Height of lowered fork	90
l <sub>2</sub>	Truck length incl. back of fork	907
b <sub>1</sub>	Chassis, width	790/850/1150
s	Fork thickness	70
e	Fork width	180
l	Fork length	1150/1400
b <sub>5</sub>	Width across fork	570/685
m <sub>1</sub>	Floor clearance under mast	24
A <sub>st</sub>	Aisle width, min	2330
W <sub>a</sub>	Turning radius	1716

Data is based on small size battery compartment, l=1150, Duplex Hi-Lo

Mast, mm	Duplex Tele					Duplex Hi-Lo					Triplex Hi-Lo					
h <sub>23</sub> Total lift height	2350	2900	3350	3750	4150	2350	2900	3350	3750	4150	3350	3750	4150	4400	4800	5400
h <sub>1</sub> Height of mast, min.	1745	2020	2245	2445	2645	1745	2020	2245	2445	2645	1740	1875	2010	2075	2205	2405
h <sub>2</sub> Free lift	—	—	—	—	—	1240	1515	1740	1940	2140	1114	1248	1382	1465	1598	1798
h <sub>4</sub> Height of mast, max.	2900	3450	3900	4300	4700	2900	3450	3900	4300	4700	4005	4405	4805	5055	5455	6055

Truck performance and dimensions are nominal and subject to tolerances.  
BT Products AB products and specifications are subject to change without notice.  
All data is based on VDI 2198.

1) Based on Triplex mast





## Options

- **The battery placed on a roller bed**  
which enables easy maintenance and battery change.
- **Battery change table**  
For fast exchange of batteries toward the side — left as well as right.
- **Ergo platform**  
Mounted under the chassis which gives equal comfort over the whole platform. Especially useful when driving over long distances for high speed operation and maximum efficiency.
- **Power steering**  
Especially for heavy applications at lower speeds.
- **Over head guard**  
To provide additional operator safety.
- **Turtle button**  
Comfortable placed on the steering arm. An on/off function for slower speed. Programmable from 40% up to 100%.
- **Load support**  
To provide additional safety for load and operator.



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