

Jungheinrich Swing Reach Stacker Capacities 2,200 lb and 2,750 lb

EFX 100/EFX 125



- **Optimum Visibility of forks and load**
- **Universal application**
- **Maneuverable and space saving**

The Jungheinrich tri-lateral stacker EFX 100 or EFX 125 is a very compact and maneuverable truck for storage and retrieval of pallets and other loading aids. It may be used with mechanical or inductive guidance as well as in free path mode. The design principle with the rotating sideshift and the mast arranged at the side permits usage in narrow working aisles with optimum space utilization. The maximum lift height is 276".

Driver's Cab: The driver's workplace, designed according to ergonomic principles, provides optimum visibility of the route traveled, the load, and the forks. The cushioned seat is adjustable. The high maneuverability of the truck is further supported by the easy moving steering.

Load Handling Device With the swiveling mast, unit loads may be picked up from either side or front, directly from the floor, and stacked or retrieved on both sides of the aisle. The end positions during sideshifting and rotation of the forks are approached at crawl speed thus protecting the load. For the fast turning of the pallet, the sideshifting and rotation movements of the forks may be carried out simultaneously.

Travel Drive: The DC series wound motor with 5 kw capacity (60 minute rating) has a high overload capacity and is vertically mounted and rigidly bolted to the chassis of the truck.

Consequently the cable connections are not put under any stress during steering movements.

Battery: 48 volt traction battery with a capacity of 400-600 Ah. For longer applications, high power batteries may also be used. Good accessibility for daily maintenance is provided through the easily opened cover. The battery is fitted as standard on battery rollers facilitating sideways removal. Battery discharge indicator and hour meter fitted as standard.

Drive Control: Stepless, sensitive regulation of the travel speed via micro processor impulse control for optimum utilization of the battery capacity. When changing the direction of travel or releasing the drive pedal, regenerative braking is effected via the drive motor. The reclaimed energy is fed into the battery.

Wheels: Drive wheel: dia. 13.5"x5.5", Load wheels: dia 11.6"x4.5". All wheels with Vulkollan tires.

Steering: Particularly smooth hydraulic steering for easy maneuvering in confined warehouse areas. The angle of tilt of the steering column can be adjusted individually to the seating position of the driver.

Brake: Apart from the wear-free regenerative braking via the drive motor, on actuation of the brake pedal both load wheels are braked

hydraulically. An electro-magnetically raised spring pressure brake acting on the drive wheel is used as a parking brake.

Hydraulics: The main lift is effected via a powerful 5.8 kw pump unit with low noise internally-g geared wheel pump. The actuation is effected via impulse control for lowest energy consumption and sensitive, stepless movements.

Mast: Two-stage or three-stage masts with full free lift are available. The mast is fixed to the outrigger of the rotating sideshift device across the direction of travel. This provides optimum visibility conditions for increased safety and less material wear during stacking and retrieval.

Service: An integrated diagnostic system permits fast detection of faults. Easily detachable or swiveling covers ensure access to all components and electronic modules.

Optional Equipment:

- End of aisle protection with crawl speed or stop
- Fork adjusters
- Cab lighting
- Battery charging systems

Safety: The truck conforms to the EU Guideline CE for industrial trucks.



ISO-9001, ISO-14001-
Certification of the Quality and
Environment Management

JUNGHEINRICH

Performance Data

		EFX 100/EFX 125	EFX 100/EFX 125
Capacity at c= 24" LC		1000/1250 kg	2000/2750 lb
Travel speed	without load	8.6/8.6 km/h	5.3/5.3 mph
	with load	8.4/8.2 km/h	5.2/5.1 mph
Lift Speed	without load	0.48/0.48 m/s	94.5/94.5 ft/min
	with load	0.36/0.34 m/s	70.9/66.9 ft/min
Lowering Speed	without load	0.44/0.44 m/s	86.6/86.6 ft/min
	with load	0.50/0.52 m/s	98.4/102.4 ft/min
Service weight			
incl. 660 Ah battery	approx.	4736/4962 kg	10440/10940 lb
Battery compartment size and weight		1030 x 619 x 627 mm (1011 kg)	
		40.6 x 24.4 x 24.7" (2230 lb)	

Technical Data

Truck dimensions relating to max pallet size 48 x 48" (further dimensions on request)

		mm	inch
c	— Load centre	600	24.0"
y	— Wheelbase	1570	61.8"
z	— Rear edge truck – drive axle	300	11.8"
h ₁	— Collapsed mast height	see table	see table
h ₂	— Free lift	see table	see table
h ₃	— Lift	see table	see table
h ₄	— Extended mast height	see table	see table
h ₆	— Height of overhead load guard	2180	85.5"
	— Seat height	1060	41.7"
l	— Fork length	1200	47.2"
s	— Fork thickness	40	1.6"
e	— Fork width	100	3.9"
l ₁	— Overall length without load	3212	126.5"
l ₂	— Length incl. back of forks	3072	120.9"
l ₆	— Insertion depth	1220	48.0"
l ₈	— Pivot point to load wheel axle	867	34.1"
b ₁	— Chassis width	1210	47.6"
b ₂	— Width over load wheel axle	1640	64.6"
b ₅	— Width over forks	750	29.5"
b ₆	— Width over guide rollers, min.	1700	70.0"
b ₇	— Reach	1330	52.4"
b ₁₂	— Pallet width	1220	48.0"
Ast	— Working aisle width, rail guided	see table	see table
Wa	— Turning radius	1900	74.8"
m ₂	— Ground clearance centre wheelbase	90	3.5"

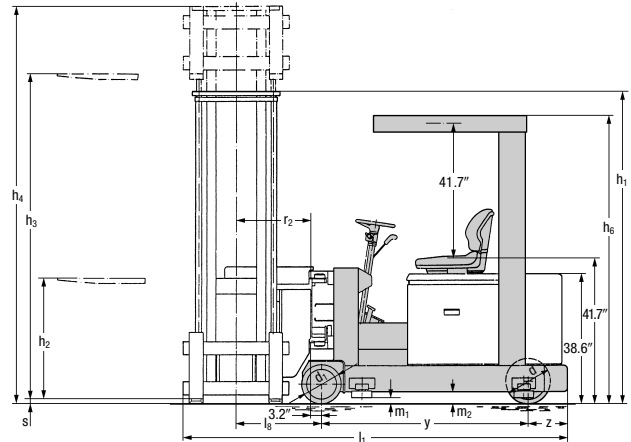
Working Aisle Widths

		mm	inch
Pallet size (lengthwise)		1016 x 1220	40 x 48"
Insertion depth		1220	48.0"
Ast	— Aisle width, rail-guided	1840	72.4"
Ast	— Aisle width, wire-guided	1890	74.4"
Ast ₃	— Transfer aisle (8" clearance)*	3900	153.5"

		mm	inch
Pallet size (crosswise)		1220 x 1016	48 x 40"
Insertion depth		1016	40.0"
Ast	— Aisle width, rail-guided	1640	64.6"
Ast	— Aisle width, wire-guided	1690	66.5"
Ast ₃	— Transfer aisle (8" clearance)*	4100	161.4"

*practical transfer aisle width + 20" (+500 mm) with rail-guidance, + 40" (+1000 mm) with wire-guidance.

Subject to technical modifications without notice.



Standard Mast Types

Two-stage masts ZT

h ₃		h ₁		h ₄		h ₂	
mm	inch	mm	inch	mm	inch	mm	inch
3000	118	2100	83	3550	140	150	6
3500	138	2350	93	4050	159	150	6
4000	157	2600	102	4550	179	150	6
4500	177	2900	114	5050	199	150	6
5000	197	3150	124	5575	219	150	6
5500	217	3500	138	6175	243	150	6
6000	236	3800	150	6725	265	150	6

Three-stage masts DZ

h ₃		h ₁		h ₄		h ₂	
mm	inch	mm	inch	mm	inch	mm	inch
4360	172	1950	77	4910	193	1400	55
4500	177	2000	79	5050	199	1450	57
5000	197	2200	87	5550	219	1650	65
5260	207	2250	89	5810	229	1700	67
5500	217	2350	93	6050	238	1800	71
6060	239	2600	102	6610	260	2050	81
6500	256	2800	110	7010	276	2250	89
7000	276	3000	118	7550	297	2450	96

