

# QX

20P – 22

## QX22

The QX22 is ideal to move loads rapidly and over long distances. Structural solidity, quality of components, elevated load capacity (2.2 T), excellent shift speed (10 km/h) and battery capacity (315 ah) make QX22 the best choice for those who work on different shifts.



QX models equipped with a footplate are highly versatile electrical pallet trucks which, thanks to their folding footplate, can be used in confined spaces or over medium distances with an excellent shift speed (8 - 10 km/h). The strong frame, the separately excited traction motor technology and the braking system with energy recovery are just few samples of the high technology of this machine.



### WHEELS

- Wheel drive of considerable power (2 kW) and big size (Ø mm 230x75).
- Two stabilizing wheels enable movement even on more difficult surfaces, ensuring maximum stability in any condition of use.



### REPLACEMENT OF BATTERIES X22

- The battery compartment is equipped with a removable side frame and an internal roller that minimizes effort during the battery extraction and connection phases. A trolley is also available upon request to replace the battery rapidly.



### TECHNOLOGY AND SAFETY

The machine is equipped with 3 sensors that automatically adjust speed control and reduce it up to 6 km/h when at least one of the following events occurs:

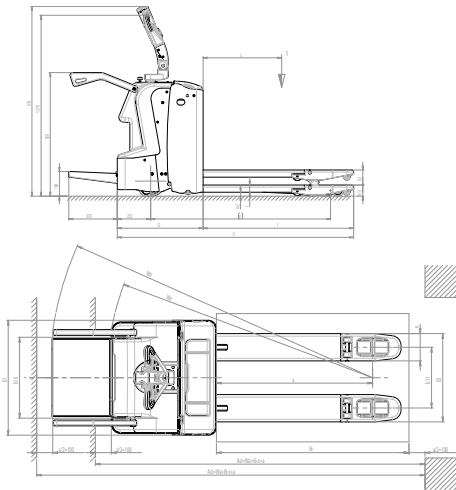
1. Lateral protection guards are not raised and are not brought to the "run" position.
2. The turning radius sensor registers a curve with an angle over 8 degrees.
3. The footplate is kept in closed position.



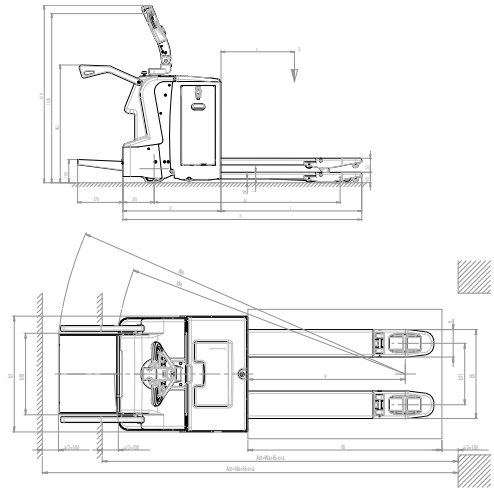
### MOTORS

- Lifting (2.2 kW) and traction (2 kW) motors have both a voltage of 24 Volt. The vertical assembly not only allows for a more rapid access to all the parts but also minimizes room cluttering-up and wiring stress. Separately excited traction motor (SEM) technology ensures speed which is independent from the load carried, while electronic control (MOSFET) allows for a better traction adjustment and a smoother and more progressive speed control. Furthermore the machine is equipped with a microswitch that protects the battery, avoiding energy waste, once the forks are brought to the maximum height.

# Electric Pallet Trucks



QX20P



QX22

## KENNZEICHEN

1.2	MODEL	QX20P S2-S4	QX22 S2-S4
1.3	DRIVE	ELECTRIC	ELECTRIC
1.4	OPERATOR TYPE	PEDESTRIAN/STANDING	PEDESTRIAN/STANDING
1.5	LOAD CAPACITY	Q kg	2200
1.6	LOAD CENTRE DISTANCE	c mm	600
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	x mm	973
1.9	WHEEL BASE	y mm	1373

## WEIGHTS

2.1	SERVICE WEIGHT WITH BATTERY (see line 6,5)	kg	559-564	632-637
2.2	AXLE LOAD LADEN, FRONT/REAR	kg	1582-1587/977	1872-1877/960
2.3	AXLE LOAD UNLADEN, FRONT/REAR	kg	117-122/442	190-195/442

## TYRES/CHASSIS

3.1	TYRES		P/P+P	P/P+P
3.2	TYRE SIZE, FRONT (Ø x width)		85x90-80	85x90-80
3.3	TYRE SIZE, REAR (Ø x width)		230x75	230x75
3.4	SIDE WHEELS (Ø x width)		100x40	100x40
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR		2/4 - 1x+2	2/4 - 1x+2
3.6	TREAD, FRONT	b10 mm	380	380
3.7	TREAD, REAR	b11 mm	506	506

## DIMENSIONS

4.4	LIFT	h3 mm	115	115
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14 mm	1107/1450	1107/1450
4.15	HEIGHT, LOWERED	h13 mm	85	85
4.19	OVERALL LENGTH (PLATFORM CLOSED/OPEN)	l1 mm	1806/2176	1950/2320
4.20	LENGTH TO FACE OF FORKS (PLATFORM CLOSED/OPEN)	l2 mm	656/1026	800/1170
4.21	OVERALL WIDTH	b1 mm	716	716
4.22	FORK DIMENSIONS	s/e/l mm	55/170/1150	55/170/1150
4.25	DISTANCE BETWEEN FORK ARMS	b5 mm	550	550
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2 mm	30	30
4.34	aisle width for pallets 800x1200 lengthwise (PLATFORM CLOSED/OPEN)	Ast mm	2084/2442	2225/2582
4.35	TURNING RADIUS (PLATFORM CLOSED/OPEN)	Wa mm	1657/2015	1798/2155

## PERFORMANCE DATA

5.1	TRAVEL SPEED, LADEN/UNLADEN (PLATFORM CLOSED/OPEN)	km/h	6,0/6,0 (8,0/8,0)	6,0/6,0 (10,0/10,0)
5.2	LIFT SPEED, LADEN/UNLADEN	m/s	0,04/0,05	0,04/0,05
5.3	LOWERING SPEED, LADEN/UNLADEN	m/s	0,05/0,04	0,05/0,04
5.8	MAX GRADEABILITY, LADEN/UNLADEN		8/20	8/20
5.10	SERVICE BRAKE		ELECTRIC	ELECTRIC

## ELECTRIC MOTORS

6.1	DRIVE MOTOR POWER	kW	2	2
6.2	LIFT MOTOR POWER	kW	2,2	2,2
6.4	BATTERY VOLTAGE, NOMINAL CAPACITY C5	V/Ah	24/180	24/230
6.5	BATTERY WEIGHT	kg	190	216

8.4	SOUND LEVEL AT DRIVER'S EAR	dB(A)	56,4	56,4
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G = Rubber, N = Nylon, P = Polyurethane, A = Steel, NE = Nylon extra

MODEL	QX20P S2-S4	QX22 S2-S4
FORK LENGTH	l mm	1000
LOAD CENTRE DISTANCE	c mm	500
OVERALL LENGTH (PLATFORM CLOSED/OPEN)	l1 mm	1656/2026
WHEEL BASE	y mm	1223
LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	x mm	823
SERVICE WEIGHT WITH BATTERY (see line 6,5)	kg	551-556
AXLE LOAD LADEN, FRONT/REAR	kg	1581-1586/970
AXLE LOAD UNLADEN, FRONT/REAR	kg	116-121/435
TURNING RADIUS (PLATFORM CLOSED/OPEN)	Wa mm	1507/1865
aisle width for pallets 800x1200 lengthwise (PLATFORM CLOSED/OPEN)	Ast mm	1884/2242

## BATTERY QX20P

BATTERY VOLTAGE, NOMINAL CAPACITY C5	V/Ah	24/180	24/230
BATTERY WEIGHT	kg	185	218

## BATTERY QX22

BATTERY VOLTAGE, NOMINAL CAPACITY C5	V/Ah	24/230	24/315
BATTERY WEIGHT	kg	218	280