

# Automated load carrier

## TOYOTA radioshuttle

RS150



 **Toyota Material Handling Australia** 8 Secombe Place, Moorebank NSW 2170

 **1800 425 438**

 [www.toyotamaterialhandling.com.au](http://www.toyotamaterialhandling.com.au)



This product can only be purchased as part of an integrated solution. Please contact Toyota Material Handling Australia for more information

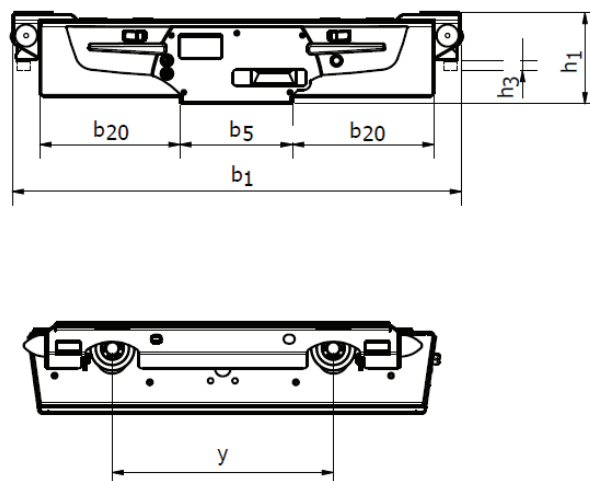
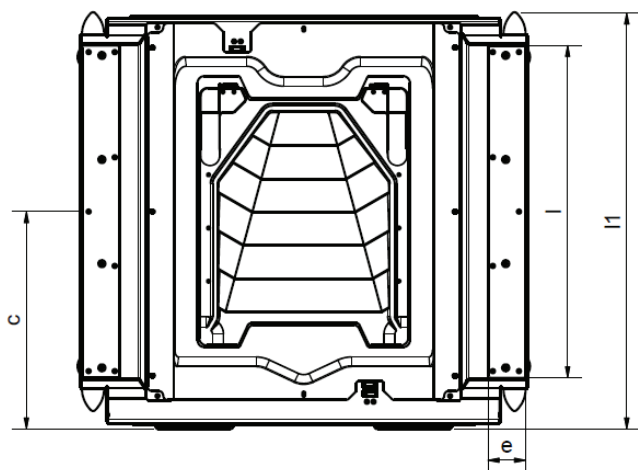
# Automated load carrier

Shuttle specifications					RS150	
Pallet size				mm	800x1200	1000x1200
Identification	1.2	Model			RS150	RS150
	1.3	Drive			Electric	Electric
	1.4	Type of operation			Rail guided shuttle	Rail guided shuttle
	1.5	Load capacity/rated load*	Q	kg	1500	1500
	1.6	Load centre	c	mm	491	591
	1.9	Wheel base	y	mm	500	700
Weight	2.1	Service weight excluding battery acc to 6.5		kg	174	200
Wheels	3.1	Drive/support wheels			Polyurethan	Polyurethan
	3.2	Wheels size, front		mm	100	100
	3.3	Wheel size, rear		mm	100	100
	3.5	Wheels, number front/rear (x=driven wheels)			2/2/x	2/2/x
Dimensions	4.4	Lift height	$h_3$	mm	22	22
	4.7	Overall height	$h_1$	mm	208	208
	4.19	Overall length*	$l_1$	mm	939	1139
	4.21	Overall width*	$b_1$	mm	922/1022	922/1022
	4.22	Lift surface dimensions	e/l	mm	85/760	85/960
		Width between fork	$b_5$	mm	252	252
		Fork channel	$b_{20}$	mm	270/320	270/320
		Free dimension between rails	B	mm	822/922	822/922
		Pallet width*	K	mm	1200	1200
	Pallet length*	L	mm	800	1000	
Performance	5.1	Travel speed, with/without load		m/s	0,7/ ≤1,1	0,7/ ≤1,1
	5.2	Lift speed, with/without load		s	1,5	1,5
	5.3	Lowering speed, with/without rated load		s	1,5	1,5
Electric motor	6.1	Drive motor rating S2 60 min		kW	0,23	0,23
	6.2	Lift motor rating S3 15%		kW	0,23	0,23
	6.4	Battery voltage, nominal capacity $K_5$		V/Ah	24/50	24/50
	6.5	Battery weight Gel acid/Li-Ion		kg	2x24 / 2x13	2x24 / 2x13
Others	8.1	Type of drive control			Variable AC	Variable AC
	8.4	Sound level at the driver's ear acc to EN12 053		dB(A)	<70	<70
Radio transmitter		Frequency		MHz	433	433
		Power supply		V/mA	12-24 DC/100	12-24 DC/100
		Battery			9V alkaline battery type no: 6LR61	

n) = New value / text since previous version of the data sheet.

\*) Other alternatives are available

All data are based on table configuration. Other configurations may give other values.  
Performance and dimensions are nominal and subject to tolerances.  
Toyota Material Handling products and specifications are subject to change without notice.

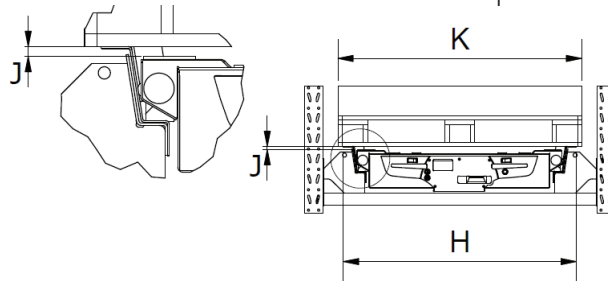
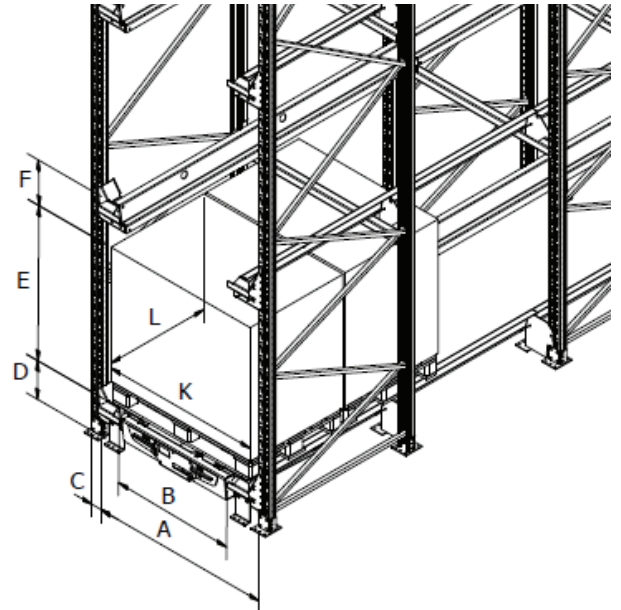


# TOYOTA radioshuttle

## Frontview levels racking system

- A Section dimension: 1350/1400/1450/1500 mm
- B Free dimension between rails: 822/922 mm
- C Upright width: 90/110 mm
- D Lowest level above floor: 300 mm
- E Pallet height:  $\leq 2000$  mm
- F Minimum distance between the pallets: 300 mm
- H Width over rail: 1048/1148 mm
- J Clearance: 9 mm
- K Pallet width: 1200 mm \*
- L Pallet depth: 800/1000 mm

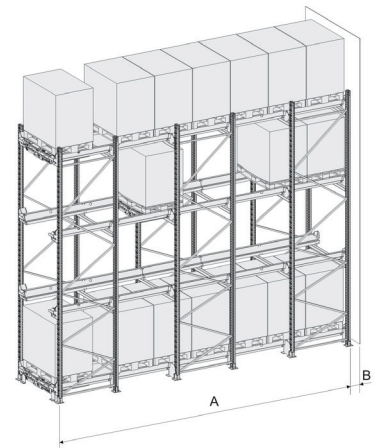
\* Other dimensions possible



## Sideview — depth of channel FiLo

*(first in, last out)*

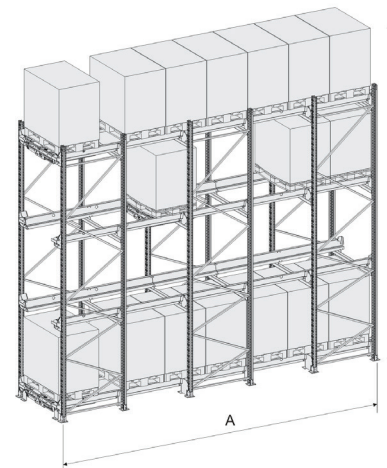
- A Depth of channel  $300 \text{ mm} + (n \times (\text{pallet depth} + 20 \text{ mm}))$
- B Free space behind racking 150 mm



## Sideview — depth of channel FiFo

*(first in, first out)*

- A Depth of channel  $300 \text{ mm} + (n \times (\text{pallet depth} + 20 \text{ mm})) + 300 \text{ mm}$



## Shuttle system features:

- Proven system reliability with over 30 years of experience
- Improved storage utilization (more pallets on less space)
- Every level can be a unique SKU
- Pallets move through rack independent of a forklift
- Cost-effective automation
- Less goods damages
- HMI functionality
- Wireless control
- Inventory function
- I\_Site Fleet Management (Option)
- Cold store (Option)
- Automatic charging (Option)
- Fully automated (Option)