

# 3RS Rail-Road Shunter

RAFAMET 3RS Rail-Road Shunter is designed for shunting & manoeuvring the rolling stock of maximum total mass up to 350 / 800 tonnes. The shunter moves on rails and flat surfaces of e.g. production workshops, manoeuvring areas, loading platforms within enclosed industrial facilities (railways, metro, tram depot, ports etc.). The 3RS Shunter can be also used as auxiliary equipment for Underfloor Wheel Lathe.



Rail-Road Shunter



- Versatile applications thanks to rail and road drivability
- Excellent manoeuvrability thanks to four independently driven wheels rotating around their axes
- Easy control by means of portable panel (radio remote control)
- Vented, robust lead acid battery with electrolyte refill
- Two adapter plater for couplers or two couplers (type to be agreed upon)
- Emission-free operations

## Main Features

Manoeuvrability



Remote Control



Up to two couplers

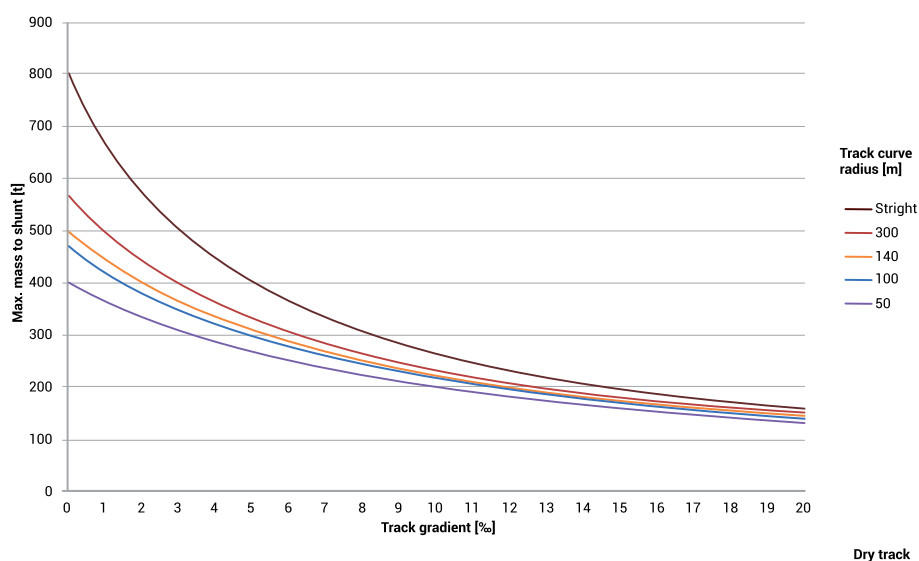


Emission-free



TECHNICAL SPECIFICATIONS		3RS 350	3RS 800
<b>Capacities</b>			
Version		S-1	S-2
Track gauge	mm	1435 <sup>(1)</sup>	
Min. tractive force	kN	17.5	40
Max. weight to shunt in normal conditions <sup>(2)</sup>	t	350	800
Max. speed on road	kmph	6	5
Max. speed on rails without load	kmph	6	5
Max. speed on rails with load	kmph	2	3
<b>Drive system</b>			
Number of guiding / driving wheels	pcs	4 + 4 / 4	
Turning drive	type	4 <sup>(3)</sup> / 2 electric servo-motors and gears	
Turning directions	type	Curves and diagonals <sup>(3)</sup> / Curves	
Number / Power of electric drive motors	kW	4 × 5	4 × 7.5
<b>Battery</b>			
Type		Vented, robust lead acid battery with liquid electrolyte	
Rated voltage	V	80	
Capacity	Ah	320 / 630	1000
Min. recharging cycles	amount	1200	1500
<b>Overall dimensions <sup>(4)</sup></b>			
Without couplers & without operator's cab:			
• Length	mm	3058	3500
• Width	mm	1905	2200
• Height	mm	1096	1450
Height (without couplers, with operator's cab)	mm	2700	3500
Approximate weight	t	5	18

**Fig. Relation of mass to shunt and dry track gradient of RAFAMET 3RS 800 Shunter**



<sup>(1)</sup> – Another track gauge to be agreed upon.

<sup>(2)</sup> – That is dry, straight and flat track.

<sup>(3)</sup> – Not available in Austria, France, Germany, Great Britain, Japan, the Netherlands, Switzerland, USA.

<sup>(4)</sup> – For track gauge of 1435 mm and standard execution.

Some of the above data can be altered to meet the Customer requirements.

Above data are subject to change due to product development, without prior notice.