

RS 12-42 GEN. 3

RS

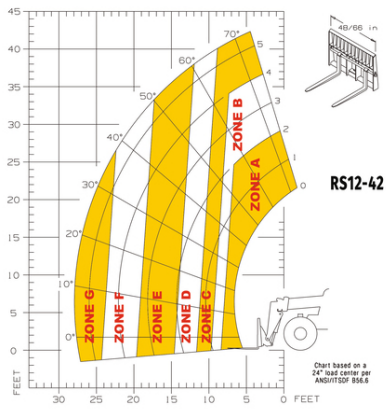


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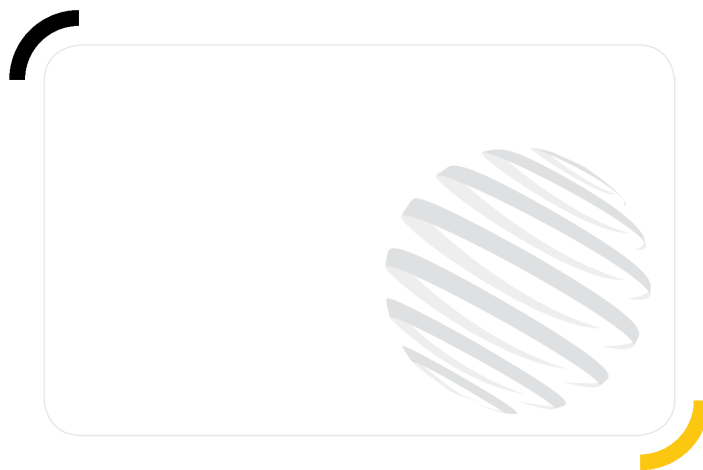
Capacities		Metric	Imperial
Max. capacity		5443.12 kg	12000 lb
Max. lifting height		12.90 m	42 ft 4 in
Max. outreach		8.51 m	27 ft 11 in
Weight and dimensions			
Overall length to carriage	l11	5.87 m	19 ft 3 in
Overall length (with forks)	l1	5.90 m	19 ft 4 in
Overall width	b1	2.51 m	8 ft 3 in
Overall height	h17	2.41 m	7 ft 11 in
Wheelbase	y	3.15 m	10 ft 4 in
Ground clearance	m4	457.20 mm	18 in
Overall cab width	b4	838 mm	33 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	112 °	112 °
External turning radius	Wa3	4.24 m	13 ft 11 in
Unladen weight (with forks)		11431 kg	25201 lb
Standard tyres		14 x 24	14 x 24
Frame levelling longitudinal +/-		10 °	10 °
Performances			
Lifting		15 s	15 s
Lowering		10 s	10 s
Extension		14 s	14 s
Retraction		10 s	10 s
Crowd		6 s	6 s
Dump		3 s	3 s
Engine			
Engine brand		Cummins	Cummins
Engine norm		Tier 4 final	Tier 4 final
Engine model		QSF 3.8	QSF 3.8
Number of cylinders / Capacity of cylinders		4 - 3.80 cm ³	4 - 0.23 in ³
I.C. Engine power rating - Power (kW)		120 Hp / 89 kW	120 Hp / 89 kW
Max. torque / Engine rotation		488 Nm @ 2500 rpm	488 Nm @ 2500 rpm
Transmission			
Transmission type		Torque Converter with powershift	Torque Converter with powershift
Number of gears (forward / reverse)		4 / 3	4 / 3
Parking brake		SAHR	SAHR
Service brake		Wet disc brakes	Wet disc brakes
Axle Manufacturer		Dana	Dana
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow / Pressure		157.09 l/min / 207 Bar	157.09 l/min / 3002 PSI
Tank capacities			
Engine oil		14.70 l	4 US gal
Hydraulic oil		170 l	45 US gal
Fuel tank		177.91 l	47 US gal
DEF tank capacity		19 l	5 US gal
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety cab homologation		ROPS/FOPS	ROPS/FOPS
Controls		Single Joystick FNR	Single Joystick FNR

RS 12-42 Gen: 3 - Load chart

Load Chart imperial



- A** 12,000/12,000 lbs (5444/5444 kg)
 - B** 10,000/10,000 lbs (4536/4536 kg)
 - C** 8,000/8,000 lbs (3629/3629 kg)
 - D** 6,000/6,000 lbs (2722/2722 kg)
 - E** 4,000/5,000 lbs (1814/2268 kg)
 - F** 3,000/5,000 lbs (1361/2268 kg)
 - G** 2,000/4,000 lbs (907/1814 kg)
- outriggers up / optional outriggers down*



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