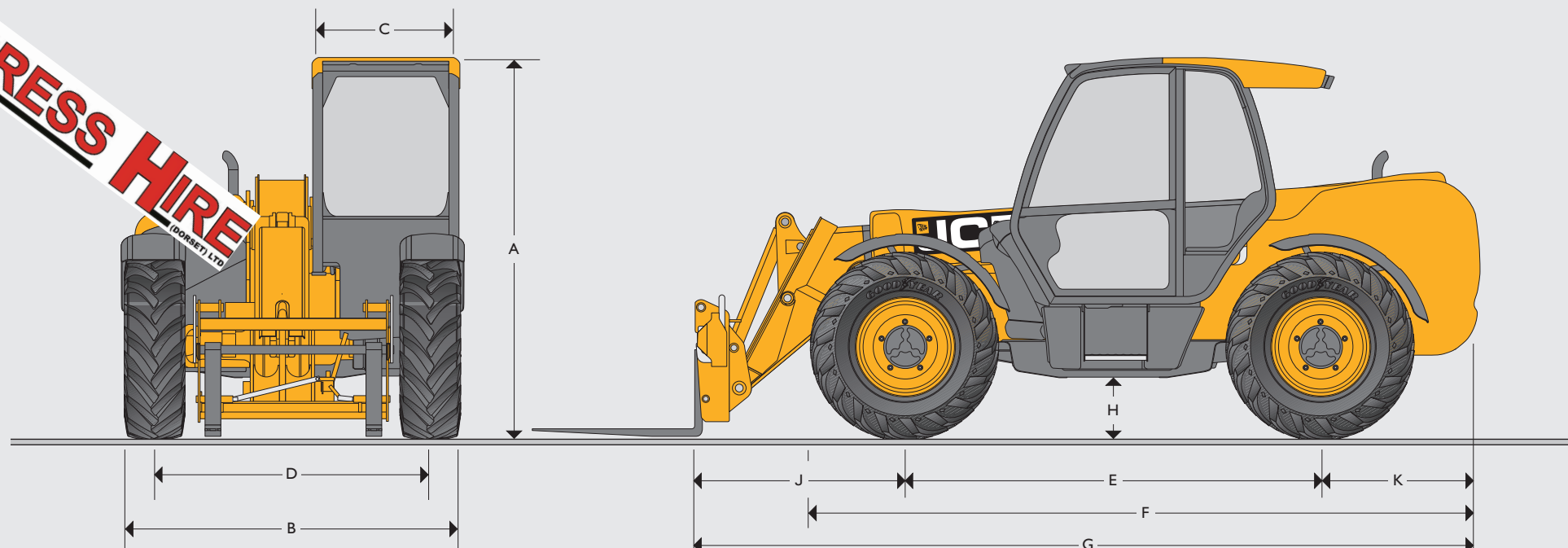


EXPRESS HIRE
(DORSET) LTD



STATIC DIMENSIONS

Machine model		531-70	541-70	550-80	535-95	533-105	535-125 HiViz	535-140 HiViz	540-140	540-170
A Overall height	m	2.49	2.49	2.59	2.49	2.49	2.59	2.59	2.59	2.69
B Overall width (over tyres)*	m	2.23	2.23	2.42	2.36	2.36	2.35	2.35	2.35	2.44
C Inside width of cab	m	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
D Front track	m	1.81	1.81	1.98	1.87	1.87	1.90	1.90	1.90	1.90
E Wheelbase	m	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.90	2.75
F Overall length to front tyres	m	4.38	4.38	4.42	4.38	4.38	4.74	4.74	5.18	5.08
G Overall length to front carriage	m	4.99	4.99	5.27	4.99	5.38	5.80	6.23	6.25	6.36
H Ground clearance	m	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.355	0.40
J Front wheel centre to carriage	m	1.25	1.25	1.46	1.20	1.62	1.68	2.11	1.65	1.94
K Rear wheel centre to rear face	m	0.99	0.99	1.06	1.04	1.01	1.37	1.37	1.70	1.67
Overall width with stabilisers fully deployed	m	NA	NA	NA	NA	2.63	2.57	2.57	2.73	3.55
Outside turn radius (over tyres)	m	3.7	3.7	3.7	3.7	3.7	3.75	3.75	4.10	4.10
Carriage rollback angle	degrees	42.6	42.6	47.0	41.0	41.2	37.0	37.0	41.5	39
Carriage dump angle	degrees	37.5	37.5	33.0	24.0	24.0	12.5	12.5	9.8	8.8
Weight	kg	7060	7850	10150	8215	8850	10066	10880	11090	12060
Tyres		15.5/80-24	15.5/80-24	440/80R24	15.5/80-24	15.5/80-24	15.5/80-24	15.5/80-24	15.5/80-24	15.5/80-24

* Type Dependent



LIFT PERFORMANCE

		531-70	541-70	550-80	550-80 Sway
Maximum lift capacity	kg	3170	4100	4999	4999
Lift capacity to full height	kg	2400	2500	2500	4000
Lift capacity at full reach	kg	1250	1500	600	600
Lift height	m	7.0	7.0	8.1	8.1
Reach at maximum lift height	m	0.48	2.94	2.05	2.05
Maximum forward reach	m	3.7	3.7	4.47	4.47
Reach with 1 tonne load	m	3.7	3.7	7.45	4.47
Placing height	m	6.3	6.3	7.45	7.45

Complies with stability test EN 1459 Annex B.

LIFT PERFORMANCE

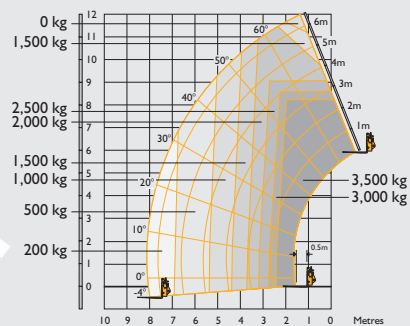
		535-95	535-95 Sway	533-105 Stabilisers retracted	533-105 Stabilisers extended
Maximum lift capacity	kg	3500	3500	3300	3300
Lift capacity to full height	kg	1600	1600	1000	3300
Lift capacity at full reach	kg	500	500	375	1000
Lift height	m	9.50	9.50	9.85	10.22
Reach at maximum lift height	m	2.43	2.43	2.63	1.91
Maximum forward reach	m	6.52	6.52	6.91	6.83
Reach with 1 tonne load	m	5.08	5.08	4.83	6.83
Placing height	m	8.78	8.78	9.44	9.82

Complies with stability test EN 1459 Annex B.

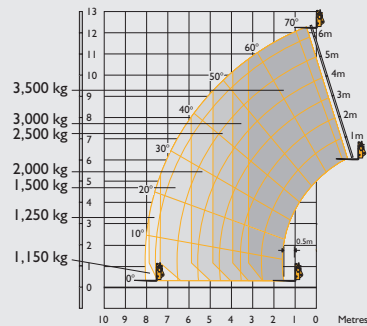
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LIFT PERFORMANCE

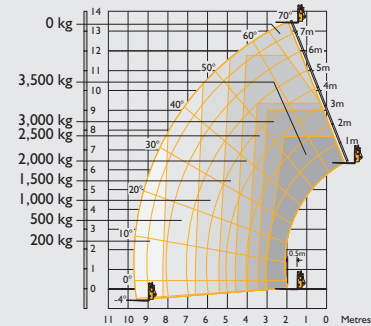
535-125 HiViz Stabilisers retracted



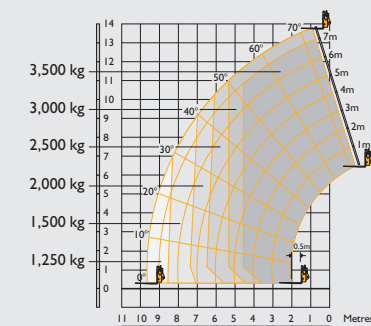
535-125 HiViz Stabilisers extended



535-140 HiViz Stabilisers retracted



535-140 HiViz Stabilisers extended

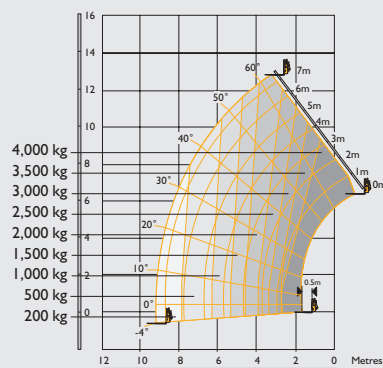


Maximum lift capacity	kg	3500	3500	3500	3500
Lift capacity to full height	kg	1500	3500	1500	3000
Lift capacity at full reach	kg	200	1150	200	1250
Lift height	m	12.28	12.07	13.78	13.78
Reach at maximum lift height	m	1.36	0.46	1.94	0.93
Maximum forward reach	m	8.10	8.06	9.70	9.60
Reach with 1 tonne load	m	5.31	8.06	6.61	9.60
Placing height	m	11.43	11.75	13.02	13.30

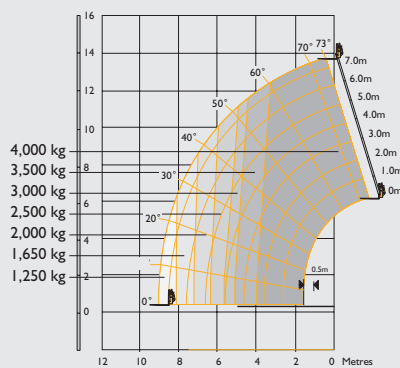
Complies with stability test EN 1459 Annex B. Chassis Levelling (Sway) with stabilisers retracted (Sway angle $\pm 9^\circ$).

LIFT PERFORMANCE

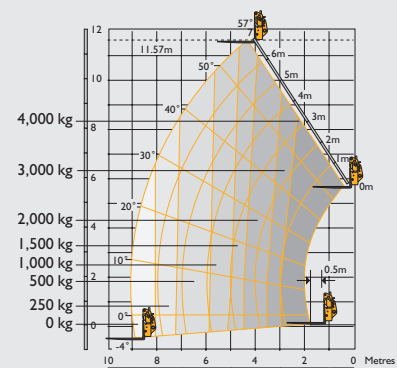
540-140 Stabilisers retracted



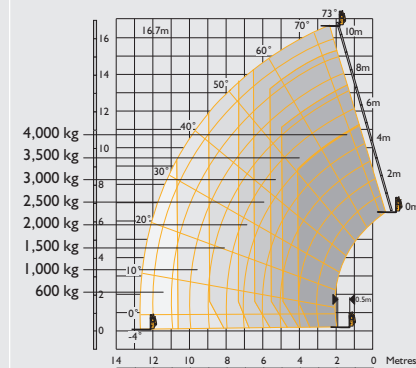
540-140 Stabilisers extended



540-170 Stabilisers retracted



540-170 Stabilisers extended



Maximum lift capacity	kg	4000	4000	4000	4000
Lift capacity to full height	kg	2000	4000	1500	2500
Lift capacity at full reach	kg	200	1250	0	600
Lift height	m	12.82	13.8	11.57	16.7
Reach at maximum lift height	m	2.94	0.74	4.15	2.05
Maximum forward reach	m	9.25	9.25	9.04	12.50
Reach with 1 tonne load	m	6.25	9.25	5.76	10.50
Placing height	m	12.25	13.25	10.90	16.20

Complies with stability test EN 1459 Annex B.

ENGINE									
JCB EcoMAX T4i/IIIB, Capacity 4 cyclinder 4.4ltrs, Aspiration turbocharged cooled									
	531-70	541-70	550-80	535-95	533-105	535-125 HiViz	535-140 HiViz	540-140	540-170
Engine 55kW (75hp) @ 2200rpm, 400Nm torque at 1300rpm	Standard	Standard	N/A	Standard	Standard	Standard	Standard	Standard	N/A
Engine 81kW (109hp) @ 2200rpm, 512Nm torque at 1300rpm	Option	Option	N/A	Option	Option	Option	Option	Option	Standard
Engine 93kW (125hp) @ 2200rpm, 550Nm torque at 1300rpm	Option	Option	Standard	Option	Option	Option	Option	Option	Option

HYDRAULIC CYCLE TIMES									
	531-70	541-70	550-80	535-95	533-105	535-125 HiViz	535-140 HiViz	540-140	540-170
Boom raise	s 7.2	8.8	7.4	9.1	8.8	10.4	13.5	15.1	22.7
Boom lower	s 5.4	6.5	5.9	7.7	8.5	8.1	11	15.5	23.4
Extend	s 6.8	6.8	8.3	10.5	13.2	15.7	15.6	19.5	18.3
Retract	s 5	5	5.9	11.2	13.6	12.8	14.4	19.2	16.7
Bucket dump	s 3.5	3.5	2.8	2.4	2.4	1.8	1.7	3.2	4.2
Bucket crowd	s 2.9	2.9	3.0	3.5	3.4	2.3	2.0	2.5	4.6

HYDRAULICS		
	Hydraulic System Pressure (bar)	Max. Pump flow (litres)
531-70	241	82
541-70	260	82
550-80	260	140
535-95	241	82
533-105	241	82
535-125	260	110
535-140	260	110
540-140	241	103
540-170	260	90+72

TRANSMISSION	Torque converter, 4 speed powershift gearbox (550-80 3 speed powershift gearbox). Travel speed 531-70/541-70/535-95/533-105: 29kph, 33kph (when 2/4WD select is specified). Travel speed 535-125/535-140 540-140/540-170: 29kph. Optional 33kph transmission. Travel speed 550-80: 20kph (dependent upon territory and tyre selection): Permanent 4 wheel drive.
BRAKING	Service brake: Servo-assisted, hydraulically oil-immersed multi-disc on front and rear axle. (550-80 Hydraulically activated power brakes) Parking brake: Hand operated disc brake on output of gearbox. (93kW/125hp – oil immersed disc type).
CAB	Conforms to ROPS ISO 3471 and FOPS ISO 3449
OPTIONS	Front and rear working lights, rotating flashing beacon, fire extinguisher, traction and industrial tyres, electrical 2/4WD select, limited slip differential in front axle, windscreen and roof guard, air suspension seat, deluxe cab trim, roof and front screen blind, radio kit, air conditioning, reversing fan, deluxe trim, armrest (SLC only), roof moulding. Single lever mechanical joystick, with push button extend and retract.

