Technical information – Intermodal and Industrial handling

				DRG450-60C5	DRG450-60C5X	DRG450-65C5	DRG450-65C5X	DRG450-65C5XS	DRG500-60A5	DRG540-60A5X	DRG540-65A5XS	DRG570-65Z5	DRG600-65Z5X	DRG600-65Z5XS
MAIN DATA	Type of handling			Intermodal (Combi lift)	Intermodal (Combi lift)	Intermodal (Combi lift)	Intermodal (Combi lift)	Intermodal (Combi lift)	Industrial (Tool Carrier)	Industrial (Tool Carrier)	Industrial (Tool Carrier)	Industrial (Lift hook)	Industrial (Lift hook)	Industrial (Lift hook)
	Lift capacity, row 1-2-3-4 (incl jacks*)	Q1-Q2-Q3-Q4	(tons)	45 – 25 – 10	45 – 32 – 15	45 – 28 – 13	45 – 34 – 17	45 – 34 (38) – 17 (24)*	50 – 27 – 16 – 11	54 – 32 – 20 – 14	54 – 38 – 25 – 17	57 – 31 – 19 – 14	60 – 38 – 25 – 18	60 – 44 – 30 – 21
	Lift capacity, row 1-2-3-4 (incl jacks*). at max height	Q1-Q2-Q3-Q4	(tons)	42 – 25 – 10	42 – 32 – 15	42 – 28 – 13	43 – 34 – 17	43 – 34 (38) – 17 (24)*	-	-	(54 – 42 – 34 – 23)*	-	-	(70 – 50 – 39 – 25)*
	Load centre, from front face of tyres, row 1-2-3-4	L4-L5-L6-L7	(mm)	1.965 – 3.815 – 6.315	1.865 – 3.815 – 6.315	1.965 – 3.815 – 6.315	1.865 – 3.815 – 6.315	1.865 – 3.815 – 6.315	2.0 – 4.0 – 6.0 – 8.0	2.0 – 4.0 – 6.0 – 8.0	2.0 – 4.0 – 6.0 – 8.0	1.5 – 4.0 – 6.0 – 8.0	1.5 – 4.0 – 6.0 – 8.0	1.5 – 4.0 – 6.0 – 8.0
	Stacking height, in container row 1-2-3-4, of 8'6" / 9'6"			5/5 – 5/4 – 4/3	5/5 – 5/4 – 4/3	5/5 – 5/4 – 4/3	5/5 – 5/4 – 4/3	5/5 – 5/4 – 4/3	-	-	-	-	-	-
	Spreader type / extension stops / locking			HPS / 20+30+40 / TWL	HPS / 20+30+40 / TWL	HPS / 20+30+40 / TWL	HPS / 20+30+40 / TWL	HPS / 20+30+40 / TWL	MPS / - / TWL	MPS / - / TWL	MPS / - / TWL	Dual lift hook	Dual lift hook	Dual lift hook
	Lost load centre, to front face of tyres	x	(mm)	800	930	800	930	930	800	930	930	800	930	930
	Wheelbase	L3	(mm)	6.000	6.000	6.500	6.500	6.500	6.000	6.000	6.500	6.500	6.500	6.500
WEIGHTS	Service weight. standard truck		(kgs)	73.500	81.800	73.500	81.300	83.500	63.000	70.700	75.500	60.500	67.500	68.000
	Axle load. front at load centre L4, unloaded – loaded		(kgs)	41.000 – 107.000	42.000 – 108.000	41.000 – 105.400	42.400 – 106.800	44.500 – 108.900	29.500 – 102.800	29.600 – 108.800	32.500 – 109.800	-	-	-
	Axle load. front at load centre L5, unloaded – loaded		(kgs)	46.700 – 91.100	48.000 – 105.400	46.300 – 93.600	48.000 – 106.800	50.200 – 109.000	-	-	-	-	-	-
	Axle load. rear at load centre L4, unloaded – loaded		(kgs)	32.500 – 11.500	39.800 – 18.800	35.200 – 13.100	38.900 – 19.500	39.000 – 19.600	33.500 – 10.200	41.100 – 15.900	43.000 – 19.700	-	-	-
	Axle load. rear at load centre L5, unloaded – loaded		(kgs)	26.800 – 7.400	33.800 – 8.400	27.200 – 7.200	33.300 – 8.500	39.000 – 8.500	-	-	-	-	-	-
WHEELS	Tyre type, tyre design			Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal	Pneumatic / Diagonal
	Tyres. dimension / PLY-rating, star rating		(in)	18.00 × 25" / PR40 (E4)	18.00 × 33" / PR36 (E4)	18.00 × 25" / PR40 (E4)	18.00 × 33" / PR36 (E4)	18.00 × 33" / PR36 (E4)	18.00 × 25" / PR40 (E4)	18.00 × 33" / PR36 (E4)	18.00 × 33" / PR36 (E4)	18.00 × 25" / PR40 (E4)	18.00 × 33" / PR36 (E4)	18.00 × 33" / PR36 (E4)
	Tyre pressure (front – rear)		(MPa)	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0	1,0 – 1,0
	Rim dimension (front + rear)		(in)	13.00×25"	13.00×33"	13.00×25"	13.00×33"	13.00×33"	13.00×25"	13.00×33"	13.00×33"	13.00×25"	13.00×33"	13.00×33"
	Number of wheels, driven / front – rear			4 / 4 – 2	4 / 4 – 2	4 / 4 – 2	4 / 4 – 2	4 / 4 – 2	4 / 4 – 2	4 / 4 – 2	4 / 4 – 2	4 / 4 – 2	4 / 4 – 2	4 / 4 – 2
	Track width (front – rear)	S1 – S2	(mm)	3.030 – 2.800	3.030 – 2.800	3.030 – 2.800	3.030 – 2.800	3.030 – 2.800	3.030 – 2.600	3.030 – 2.800	3.030 – 2.800	3.030 – 2.600	3.030 – 2.800	3.030 – 2.800
DIMENSIONS	Boom type – cylinder design			Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage	Duplex / 2-stage
	Boom angle, min – max	alfa	(deg)	0 – 60	0 – 60	0 – 60	0 – 60	0 – 60	0 – 60	0 – 60	0 – 60	0 – 60	0 – 60	0 – 60
	Boom height, min – max	H3 – H5	(mm)	4.600 – 18.200	4.600 – 18.200	4.600 – 18.200	4.600 – 18.200	4.700 – 18.300	4.600 – 18.200	4.600 – 18.200	4.600 – 18.200	4.600 – 18.200	4.600 – 18.200	4.600 – 18.200
	Chassis height – top of boom fixation, max	H2	(mm)	3.925	4.025	3.925	4.025	4.025	3.925	4.025	4.025	3.925	3.925	4.025
	Lift height, min in twistlocks, row 1-2-3-4	H4a	(mm)	950	1.050	950	1.050	1.150	1.300	1.300	1.300	1.150	1.150	1.250
	Lift height, max in twistlocks, row 1-2-3-4	H4b	(m)	14,9 – 13,0 – 10,2	15,0 – 13,1 – 10,3	14,9 – 13,0 – 10,2	15,0 – 13,1 – 10,3	14,9 – 13,0 – 10,2	15,0 – 13,6 – 11,4 – 7,7	15,0 – 13,6 – 11,4 – 7,7	15,0 – 13,6 – 11,4 – 7,7	13,0 – 13,0 – 11,4 – 7,7	13,0 – 13,0 – 11,4 – 7,7	13,0 – 13,0 – 11,4 – 7,7
	Boom reach stroke		(mm)	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
	Truck height – seat height	H6 – H8	(mm)	3.650 – 2.575	3.750 – 2.675	3.650 – 2.575	3.750 – 2.675	3.750 – 2.675	3.650 – 2.675	3.750 – 2.675	3.750 – 2.675	3.650 – 2.575	3.650 – 2.575	3.750 – 2.675
	Overall truck length, without – with boom	L	(mm)	8.015 – 11.200	8.115 – 11.200	8.515 – 11.700	8.515 – 11.700	8.615 – 11.700	8.015 – 11.200	8.115 – 11.200	8.515 – 11.700	8.515 – 11.700	8.515 – 11.700	8.515 – 11.700
	Truck width over drive axle	B	(mm)	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150	4.150
	Spreader width, min – max	Va – Vb	(mm)	6.055 – 12.185	6.055 – 12.185	6.055 – 12.185	6.055 – 12.185	6.055 – 12.185	2.730	2.730	2.730	6.055 – 12.185	6.055 – 12.185	6.055 – 12.185
	Spreader sideshift	V1	(mm)	±800 (total 1.600)	±800 (total 1.600)	±800 (total 1.600)	±800 (total 1.600)	±800 (total 1.600)	±450 (total 900)	±450 (total 900)	±450 (total 900)	-	-	-
	Spreader rotation, no. of motors – no. of brakes	beta	(deg)	300 (+195/-105) / 2 / 2	300 (+195/-105) / 2 / 2	300 (+195/-105) / 2 / 2	300 (+195/-105) / 2 / 2	300 (+195/-105) / 2 / 2	300 (+195/-105) / 2 / 2	300 (+195/-105) / 2 / 2	300 (+195/-105) / 2 / 2	360 / -	360 / -	360 / -
	Spreader side tilt / tilt angle / tilt power		(deg)	HPS / ±5 / hydraulic	HPS / ±5 / hydraulic	HPS / ±5 / hydraulic	HPS / ±5 / hydraulic	HPS / ±5 / hydraulic	MPS / ±5 / by gravity	MPS / ±5 / by gravity	MPS / ±5 / by gravity	-	-	-
	Spreader optional length tilt / tilt angle / locking		(deg)	Yes / ±5 / tilt lock	Yes / ±5 / tilt lock	Yes / ±5 / tilt lock	Yes / ±5 / tilt lock	Yes / ±5 / tilt lock	OPT / ±5 / tilt lock	OPT / ±5 / tilt lock	OPT / ±5 / tilt lock	-	-	-
	Ground clearance. steer axle / middle / front		(mm)	- / 250 / -	- / 300 / -	- / 250 / -	- / 300 / -	- / 300 / -	- / 250 / -	- / 300 / -	- / 300 / -	- / 250 / -	- / 300 / -	- / 300 / -
	Aisle width. with 20 ft – 40 ft container	A1 – A2	(mm)	11.200 – 13.600	11.200 – 13.600	11.600 – 13.600	11.600 – 13.600	11.600 – 13.600	11.200 – 13.600	11.200 – 13.600	11.600 – 13.600	11.600 – 13.600	11.600 – 13.600	11.600 – 13.600
	Turning radius, outer with 20 ft – 40 ft container	R1 – R3	(mm)	8.100 – 9.400	8.100 – 9.400	8.500 – 9.400	8.500 – 9.400	8.500 – 9.400	8.100 – 8.100	8.100 – 8.100	8.500 – 8.500	8.500 – 8.500	8.500 – 8.500	8.500 – 8.500
	Turning radius, inner	R2	(mm)	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
DRIVE LINE	Engine type / cylinders / design			Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl	Diesel / 4-stroke / 6-cyl
	Engine power / torque / displacement		(kW/Nm/dm³)	210 / 1.237 / 7,70	210 / 1.237 / 7,70	210 / 1.237 / 7,70	210 / 1-237 / 7,70	210 / 1.237 / 7,70	210 / 1.237 / 7,70	210 / 1.237 / 7,70	210 / 1.237 / 7,70	210 / 1.237 / 7,70	210 / 1.237 / 7,70	210 / 1.237 / 7,70
	Fuel consumption, average diesel / tank volume		(L/h/dm³)	10-15 / 550	10-15 / 550	10-15 / 550	10-15 / 550	10-15 / 550	10-15 / 550	10-15 / 550	10-15 / 550	10-15 / 550	10-15 / 550	10-15 / 550
	Fuel consumption, average adblue / tank volume		(%/dm³)	2-4 / 35	2-4 / 35	2-4 / 35	2-4 / 35	2-4 / 35	2-4 / 35	2-4 / 35	2-4 / 35	2-4 / 35	2-4 / 35	2-4 / 35
	Alternator. type – power / voltage / capacity		(W/V/Amp)	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130	AC – 3.600 / 28 / 130
	Battery voltage / capacity		(V/Ah)	2×12 / 145	2×12 / 145	2×12 / 145	2×12 / 145	2×12 / 145	2×12 / 145	2×12 / 145	2×12 / 145	2×12 / 145	2×12 / 145	2×12 / 145
	Transmission type, function, safety			CVT	CVT	CVT	CVT	CVT	CVT	CVT	CVT	CVT	CVT	CVT
	Transmission, speed range forward – reverse			3 – 2	3 – 2	3 – 2	3 – 2	3 – 2	3 – 2	3 – 2	3 – 2	3 – 2	3 – 2	3 – 2
	Drive axle type, differential / service brakes			Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes	Yes / wet disc brakes
	Drive axle type, single / dry disc parking brake			Yes / hydr. release	Yes / hydr. release	Yes / hydr. release	Yes / hydr. release	Yes / hydr. release	Yes / hydr. release	Yes / hydr. release	Yes / hydr. release	Yes / hydr. release	Yes / hydr. release	Yes / hydr. release
	Steer axle type, single cylinder / power steering			Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	Travel speed, forward – reverse / unloaded – loaded		(km/h)	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18	25 – 18 / 18 – 18
	Gradeability, at max – at 2 km/h / unloaded – loaded		(%)	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16	30 – 20 / 26 – 16
	Lifting speed, unloaded – at 70% of rated load		(m/s)	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24	0.40 – 0.24
	Lowering speed, unloaded – at rated load		(m/s)	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40	0.35 – 0.40
	Drawbar pull / towing capacity, max		(kN)	220	220	220	220	220	220	220	220	220	220	220
OTHERS	Load sensing hydraulic system / no. of oil tanks			Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks	Yes / dual oil tanks
	Tank volumes of working oil & brake oil		(dm³)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)	740 (600 + 140)
	Working pressure boom / spreader		(MPa)	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0	23,0 / 16,0
	Noise level LpAZ acc. to EN12053. inside cabin		(dB(A))	70-71	70-71	70-71	70-71	70-71	70-71	70-71	70-71	70-71	70-71	70-71
	Noise level LwA acc. to 2000/14/EC. outside cabin		(dB(A))	106-108	106-108	106-108	106-108	106-108	106-108	106-108	106-108	106-108	106-108	106-108
	Towing hook			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Electronic overload / monitoring / safety system			Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes
	Longitudinal load monitoring info / controls			Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC	Yes – LLMI / Yes – LLMC