12 TON JUMBO (IRON FAIRY)

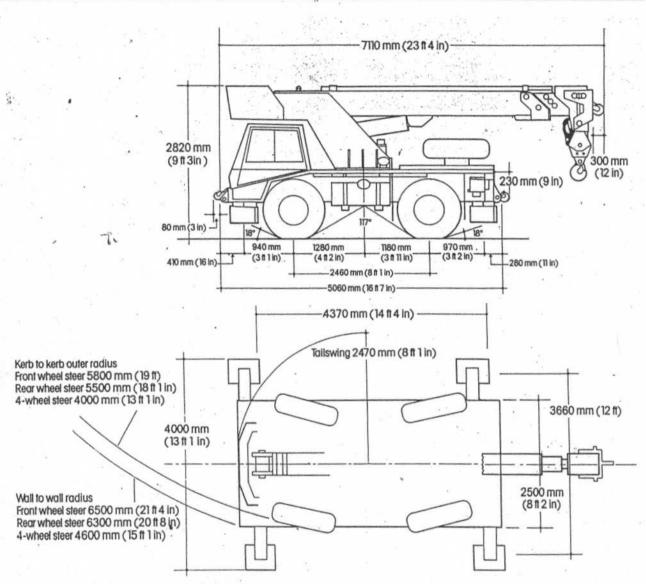


All-purpose hydraulic crane

- Maximum on-board tip height 19 metres (62 ft)
 5 metre (16 ft 5 in)* lattice Swingaway offsettable to 10°
 Maximum speed 55 kph (34 mph)
 Optional *four wheel steer

- Over 8 tonnes (18,000 lb) 'pick and carry' capacity





Dimensions refer to machine with standard tyres



Constant improvement and engineering progress make it necessary that the company reserves the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment. Optional equipment is designated by (*) in specifications tolder.

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Harefield, Uxbridge, Middlesex, UB9 6QG, England Telephone: Harefield (089 582) 3777 Telex: 21619 CRANES G

LIFTING CAPACITIES - 35 CTION BOOM





Free-on-Wheels 5° Over Front Only - Up to 5 km/h

5.5 m to 9.0 m two piece boom plus 3.5 m PPE sect. .

On-Outriggers 360° Full Circle Slew

5.5 m to 12.5 m fully powered boom

5° Over Front Only Full Circle Si-

			12.5			17.50 m		Static	S-1118-5		7) ×		*	<u> </u>	Villain.	<u> </u>		/5/	20	2
Radius Fi	5.5 m Fully Retracted	5.5 m to 9.0 m	9.0 m to 12.5 m				m Fully Telescoping ce Extension at		5.5 m 9.0 m to to 9.0 m 12.5 m			m Boom Fully Telescoping m Lattice Extension at			9.0 m to 12.5 m	5.5 m to 12.5 m Boom Fully Telescoping				Radius
	Nepacted	3.0	14.0.0	0° C	Hset	10° Offset		3.0111		0° Offset		10° Offset		9.0 m		0° Offset		10° Offset		in .
Metres		(Manual Retracted)	(Manual Extended)	Lº	Load	Lº	Load	(Manual Retracted)		L°	Load	Lº	Load	(Manual Retracted	(Manual d) Extended)	Lo	Load	L°	Load	Metres
	H	1	2-583-4	1	15	144	門	自	舜	圔	(4)	124	魯	南	南	蹲	F	南	南	
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2.50 m	12.00	EX		17.		1		8.00				1	/	8.47				700000		2.50 m
2:75 m	12.00	10.50				/		7.15			1		/	7.82						2.75 m
3.00 m	12.00	10.00			. ,	1		6.58				1		7.26						3.00 m
3.50 m	10.23	9.35			/			5.64				/		6.30					1	3.50 m
4.00 m		8.75	V		/			4.68			/			5.67					Y .	4,00 m
4,50 m		8.28	4.80	/				3.85	3.85		/			5.04	4.65			1		4.50 m
5.00 m		7.10	4.50	/				3.23	3.23		1	1		4.35	4.35			/		5.00 m
6.00 m		5.16	4.05	/				2.37	2.37	/				3.20	3.20		/			6.00 m
7.00 m		3.94	3.70/	65°	2,45	65°	2.00@7.5	1.79	1.79	/65°	2.10	65°	1.90@7.5	2.45	2.45	65°	2,45	65°	1.90@7.5	7.00 m
8.00 m			3.40	610	2.24	63°	1.90		1.44	610	1.69	63°	1.70		1.98	61°	/2.24	63°	1.80	8.00 m
9.00 m			2.80	570	2.10	59°	1.80		1.13	570	1.37	59°	1.40		1.59	57°/	1.84	59°	1.65	9,00 m
10.00 m	-	/	2.35	53°	1.95	55°	1.70	/	0.88	53°	1.13	55°	1.16		1.29	53°	1.54	55°	1.50	10.00 m
12.00 m		/	2.15@10.5	43°	1.60	45°	1.50	/	0.78@10.5	43°	0.77	45°	0.79		1.16@10.5		1.09	45°	1.19	12.00 m
14.00 m				310	1.26	33°	1.20	1		310	0.52	33°	0.54		/	310	0.79	33°	0.86	14.00 m
15.50 m	-			170	1.09	100	0.90./									170	0.62	190	0.67	15.50 m

Free-on-Wheels 360° Full Circle Slew



LIFTING CAPACITIES — 3 SECTION BOOM





5º Over Front Only Full Circle Sley

		23: 402-00			0.00				,				3 Over 1	TOTAL CHAY	Full Circle S						• This cr							
Radius	5.5 m Fully Retracted	5.5 m to 9.0 m	9.0 m to 12.5 m		12.5 m Boo 5.0 m Latti			5.5 m to 9.0 m	9.0 m to 12.5 m		12.5 m Bo 5.0 m Latt		Telescoping sion at	5.5 m to 9.0 m	9.0 m to 12.5 m		12.5 m Bo 5.0 m Latt		Telescoping sion at	Radius	high lo attemp							
in								0.0		000	Offset	10°	Offset	1		000	Offset	10°	Offset			00	Offset	10°	Offset	in	FREE	
		(Fully Pow	rered Boom)	L°	L°	L°	L°	L°	L°	Lº	L°	Lo	Load	L°	Load	(Fully Pov	vered Boom)	L°	Load	Lo	Load	(Fully Pov	rered Boom)	L°	Load	L°	Load	7
Metres	1-12-1	1	1-1	1	1-5-1	***	H	圔	r p	南	鏬	南	A		A	(2)	科	(AS)	(E)	Metres	suspe correct Free of within							
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2.50 m	12.00							8.00						8.47						2.50 m	• The n							
2.75 m	12.00	10.25		-		1		7.15						7.82						2.75 m	unifor							
3.00 m	12.00	9.75						6.58						7.26						3.00 m								
3.50 m	10.23	9.35						5.64						6.30						3.50 m								
4.00 m		8.75						4.68						5.67						4.00 m								
4.50 m		8.35	5.10					3.85	3.85		111			5.04	4.65					4.50 m								
5.00 m		7.14	4.80					3.23	3.23	7.				4.35	4.35					5.00 m								
6.00 m		5.16	4.30					2.37	2.37					3.20	3.20					6.00 m								
7.00 m		3.94	3.85	65°	2,45	65°	2.00@7.5	1.79	1.79	65°	2.10	65°	1.50@7.5	2.45	2.45	65°	2.45	65°	1.90@7.5	7.00 m	Hookblo							
8.00 m			3.19	61°	2.24	63°	1.90		1.44	61°	1.69	63°	1.70		1.98	61°	2.24	63°	1.80	8.00 m	HOOKDIO							
9.00 m			2.59	57°	2.10	59°	1.80		1.13	57°	1.37	59°	1.40		1.59	57°	1.84	59°	1.65	9.00 m	Number							
10.00 m			2.14	53°	1.95	55°	1.70		0.88	53°	1.13	55°	1.16		1.29	53°	1.54	55°	1.50	10.00 m	-							
12.00 m			1.95@10.5	43°	1.60	45°	1.50		0.78@10.5	43°	0.77	45°	0.79		1,16@10.5		1.09	45°	1.19	1 2.00 m	11							
14.00 m				310	1.26	33°	1,20			31°	0.52	33°	0.54			31°	0.79	33°			Weight o							
15.50 m				170	1.09	190	0.90				1					170	0.62	190	0.67	15.50 m	Hookblock							

IMPORTANT NOTES

- Capacities are in accordance with DIN 15019
 Part 2 1979 and clause 11 Stability of
 BS 1757: 1981 Power-driven mobile cranes
 with wind forces to tables 2 (a) and 3 (a) of
 BS 2573: Part 1: 1977 Permissible stresses
 in crane and design rules Structures.
- Capacities above the thick line are based on factors other than stability and for this reason crane tipping must not be relied upon as a guide to the capacity limitation.
- The weight of the hookblock, slings and all similarly used load handling devices must be added to the weight of the load.
- Capacities quoted are based on freely suspended loads, with the four telescopic outriggers fully extended and down so that tyres are raised clear of the ground with the machine accurately levelled on firm and uniformly supported surfaces, or when operating free-on-wheels with the machine standing on a firm, level and uniformly supporting surface with tyres inflated to the correct pressure.
- Practical safe working loads are dependent on the supporting surface, wind and other factors affecting stability, hazardous surroundings, experience of personnel and proper handling of the load, all of which must be taken into account by the operator.
- Angle based capacities are determined by laden boom angles given and not by radius. Radii quoted refer only to fully extended booms.
- When the lattice extension is fitted in the operating position, main boom capacities must be reduced by 0.62 tonne.
- When a safe load indicator is specified, certain duties may be modified to compensate for indicator characteristics.
- This crane is designed and manufactured for high load derricking capability. It is safe to attempt to derrick any load.

FREE ON WHEELS

- Capacities quoted are based on freely suspended loads with the tyres inflated to their correct pressures and axle locks engaged.
- Free over front capacities must only be lifted within a maximum slewing angle of 2½° either side of crane centre line and are valid only up to a maximum travel speed of 5 km/h.
- The machine must be level on firm and uniformly supporting surfaces.

Carrier specifications

Frame	High strength steel with integral outrigger	Maximum speed	55 kph (34 mph).					
Outrigger system	housings. Front and rear towing brackets. Single stage, hydraulic telescopic curved beam outriggers with holding valves. Steel	Gross vehicle weight and axle loads	Axle 1: 9190 kg (20,260 lb) Axle 2: 6860 kg (15,123 lb) GVW: 16,050 kg (35,383 lb)					
	fabricated outrigger floats, 340 mm (13 in) width.	ce Swingowoy	Above weights for A specification plus 5 *Swingaway.	5.00 m (16 ft 5 in)				
Outrigger controls	Situated in operator's cab with level bubble adjacent to controls.	Miscellaneous	Full aluminium no					
Engine	Perkins P6.354.4, six-cylinder, naturally- aspirated, water-cooled diesel. 5.8 litre, 89 kw (119 bhp) at 2500 rpm, maximum torque 400 Nm (295 lb ft) at 1400 rpm.	equipment Optional *equipment	Superstructure * Hookblocks * Hoist-drum rotati	on indicator				
Fuel tank capacity	127 litres (33.50 US gallons).	•	* Base boom section mounted floodi					
Electrical system	12 v including starting.	graphic cylinder with provides elevation	* Electric skylight w * Towing hook(s)	viper notthwata mood				
Drive	4×2 (8757) 18Y01		* Spotlight (360°) * Spare wheel and	tvre				
Steering	Mechanical, power assisted front axle steering controlled by steering wheel.	and with country takes	age - two bas ross the					
wier (230 fl × 15/h).	Optional *four wheel independent steering with rear axle controlled by switch, hydraulically powered to provide coordinated or crab steering modes. Lockout for rear axle when centralised.	*Indicates optional i						
Transmission	Full synchromesh gearbox with five forward and one reverse speed.							
Axles	Front: Drive-steer with planetary hub reduction. Rear: Non drive, non steer. Optional *steer.							
Suspension	Front: Solidly mounted to chassis. Rear: Taper-leaf spring.							
Brakes	Dual-line air system operating on all wheels.							
	Spring applied air-released park brake acting on front wheels.	With by-poss						
Tyres	$12.00\times20\mbox{-}20\mbox{-}PR$ highway radials allround. Tyre inflation kit.							
Lights	Full lighting including side, head, tail, braking, directional and hazard warning lights.	rollad, electric fon						
Cab	One-man design, steel fabricated, central drive, fitted with safety glass. Full travel and crane controls including outriggers and full instrumentation.							

Superstructure specifications

		4.31					
860 lb) (d) 827 lb) (d) 883 lb)	5.50 to 12.50 m (18 ft 1 in to 41 ft) three- section full-power synchronised boom, with single lever control. Telescopic sections slide on adjustable and replaceable Nylatron pads. Maximum tip height 14 m (46 ft).	HOIST SPECIFICAT	Power up and down, e reduction with integra applied multi-disc bra	l automatic spring-			
Optional *Swingaway	5.00 m (16 ft 5 in) lattice Swingaway extension which can be offset 0° or 10°.		Main hoist				
	Stows alongside boom when not in use. Maximum tip height 19 m (62 ft).	Maximum single li Bottom					
Boom nose	Three sheaves mounted on heavy duty roller bearings. Removable pin-type rope guards.	layer Intermediate layer	(233 fpm) 77 m/min (253 fpm)				
Optional *searcher hook	4000 kg (8800 lb) capacity, boom nose mounted.	Top layer	83 m/min (273 fpm)	Ation our results.			
Boom elevation	One double-acting hydraulic cylinder with integral holding valve provides elevation from 0° to 65°.	Maximum single I Bottom layer	3300 kg	Electrical System			
Load-moment indicator and anti- two block system	Audio visual type warning with control lever lockout.	Intermediate layer Top	(7275 lb) 3070 kg (6768 lb) 2840 kg				
Swing	Double row ball-bearing swing circle with 360° continuous rotation. Spring-applied,	layer	(6261 lb)				
	hydraulically released disc brake. Plunger- type two position house lock. Maximum speed 2.45 rpm.	Rope supplied 70 m \times 13 mm diameter (230 ft \times $\frac{1}{2}$ in). *Indicates optional item.					
Counterweight	Fixed position, 3200 kg (7055 lb).						
HYDRAULIC SYSTEM Pumps	Two gear type pumps, combined capacity 194 litres/minute (51 US gallons/minute). Maximum pressure 211 kg/cm² (3000 PSI).		Front: Drive-sleer with production. Rest: Non drive; non st				
Valves	Precision, four-way, double-acting control valves.						
Filters	Two delivery line filters with by-pass protection and indicator.						
Reservoir	182 litres (48 US gallons) capacity. Exterior oil level gauge.						
Oil cooler	Thermostatically controlled, electric fan motor.						

Carrier specifications