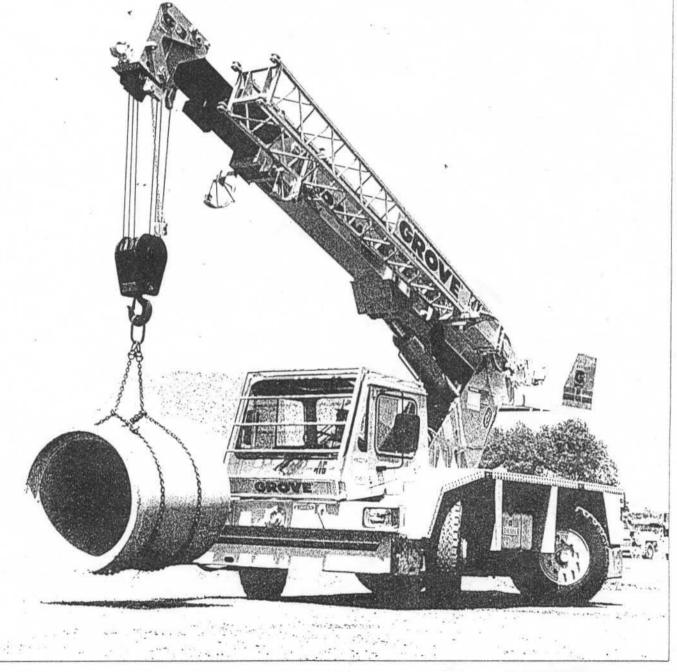
12 TON JUMBO (IRON FAIRY)

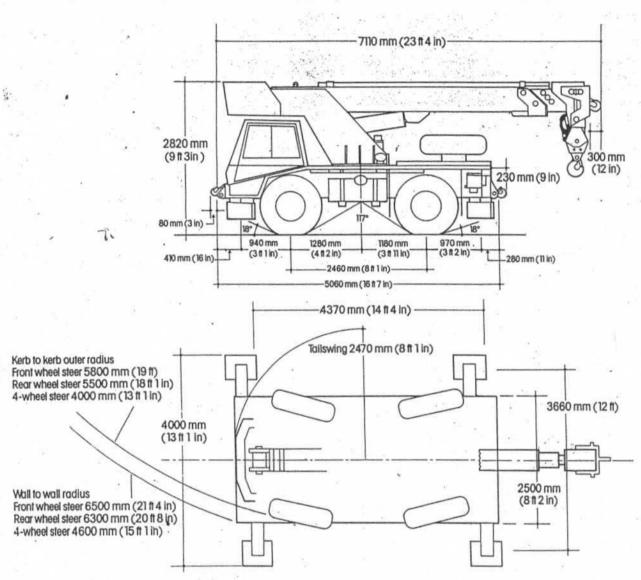


All-purpose hydraulic crane

- 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





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

-2			12.5			17.50 m	100	Static					*	1	J. Barin.	<u> </u>	-	///	2	9
Radius	5.5 m Fully	5.5 m to 9.0 m	9.0 m to 12.5 m		1 2.5 m Boo 5.0 m Latt		Telescoping sion at	to	to		12.5 m Boo 5.0 m Latti		Telescoping ision at	5.5 m to 9.0 m	9.0 m to 12.5 m		12.5 m 800 5.0 m Latti			Radius
in	Retracted	9.0 m	12.9 (1)	0° C	ffset	100	Offset	9.0 m	12.5 m	Oo	Offset	100	Offset	3.0111	12.5	00 (Offset	10°	Offset	· in ·
Metres		(Manual Retracted)	(Manual Extended)	L°.	Load	Lº	Load	(Manual) Retracted	(Manual Extended)	Lº	Load	Lo	Load		(Manual Extended)	L°	Load	L°	Load	Metres
	1	P H	1	1=1	1-1	1	HEH	梅	畇	南		降	串	南	件	蹲		圔	尚	
	* *	* *	* *	* *	* *	* *	**	* *	**	* *	* *	* *	**	*	☆	异	☆	*	मे	
2.50 m	12.00	E.S				1		8.00				1	/	8.47						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	· ·		/			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			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	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
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	430	0.77	45°	0.79		1.16@10.5		1.09	450	1.19	12.00 m
14.00 m				310	1.26	33°	1.20	/		310	0.52	33°	0.54		/	31°	0.79	33°	0.86	14.00 m
15.50 m				170	1.09	190	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 Slew

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		elescoping sion at	5.5 m to 9.0 m	9.0 m to 12.5 m		12.5 m Boo 5.0 m Latt		Telescoping sion at	5.5 m to 9.0 m	9.0 m to 12.5 m		12.5 m Boo 5.0 m Latt		Telescoping sion at	Radius	
in				0° C)ffset	10°	Offset	0.0	1.00	0° C	Offset	10°	Offset			00 0	Offset	10°	Offset	in	
		(Fully Pow	ered Boom)	L°	Load	Lº	Load	(Fully Pow	ered Boom)	L°	Load	Lo	Load	(Fully Pow	ered Boom)	L°	Load	Lº	Load	7	
Metres	1-1-1	1	1-9-1	1-5-1	1	1	H		煙		5 239	南	四	串	A		串	(4)	(23)	Metres	
	* *	* *	* *	* *	* *	* *	* *	* *	* *	* *	* #	* *	**	*	*	र्भ	*	*	#		
2.50 m	12.00							8.00						8.47						2.50 m	
2.75 m	12.00	10.25		-				7.15						7.82						2.75 m	
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					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			10000		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	15.
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	IL.
9.00 m		V	2.59	570	2.10	59°	1.80		1.13	57°	1.37	59°	1.40		1.59	57°	1.84	59°	1.65	9.00 m	IN
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	11
12.00 m			1.95@10.5	430	1.60	45°	1.50		0.78@10.5	43°	0.77	45°	0.79		1,16@10.5	43° .	1.09	45°	1.19	12.00 m	P
14.00 m				310	1.26	33°	1,20			31°	0.52	33°	0.54			31°	0.79	33°	0.86	14,00 m	V
15 50 m				170	1.09	190	0.90									170	0.62	199	0.67	15.50 m	H

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.

Number of Falls	5	4	3	2	1
Permissible Load	12.00	10.00	7.60	5.10	2.60
Weight of Hockblock	0.18	0.18	0.18	0.18	0.10



Carrier specifications

Frame	High strength steel with integral outrigger	Maximum speed	55 kph (34 mph).					
Outrigger system	Single stage, hydraulic telescopic curved beam outriggers with holding valves. Steel	Gross vehicle weight and axle loads	Axle 2: 6860 kg (15	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.	YOWODOWS sol	Above weights for Al specification plus 5.	.00 m (16 ft 5 in)				
Outrigger controls	Situated in operator's cab with level bubble adjacent to controls.	atte of lon cading	*Swingaway.	Swingoway Store				
Engine	Perkins P6.354.4, six-cylinder, naturally-	Miscellaneous equipment	Full aluminium non maintenance tool ki	-slip decking, it and rear view mirrors				
z.igiio	aspirated, water-cooled diesel. 5.8 litre, 89 kw (119 bhp) at 2500 rpm, maximum torque 400 Nm (295 lb ft) at 1400 rpm.	Optional *equipment	Superstructure * Hookblocks * Hoist-drum rotation indicator * Base boom section mounted floodlight Carrier					
Fuel tank capacity	127 litres (33.50 US gallons).	•						
Electrical system	12 v including starting.	brawiges elevation	* Electric skylight wiper * Towing hook(s)					
Drive	4×2 (/6757) teyol -		* Spotlight (360°) * Spare wheel and to	VITE				
Steering	Mechanical, power assisted front axle steering controlled by steering wheel.	mym semino emw gain	* Spare wheel stowage * Cab load guard(s)					
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.			em. 360° continuous volu 360° continuous volu 1900° continuous volu 1900° continuous volu 1900° continuous pond 2.44					
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	with by-poss						
Tyres	acting on front wheels. 12.00 × 20-20 PR highway radials all- round. Tyre inflation kit.	ior. ans) odposity. Exterior						
Lights	Full lighting including side, head, tail, braking, directional and hazard warning lights.							
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						
800 (0) (0) 823 (0) (0) 383 (0)	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 SPECIFICA	Power up and down, or reduction with integral applied multi-disc bro	l automatic spring-				
Optional *Swingaway	5.00 m (16 ft 5 in) lattice Swingaway extension which can be offset 0° or 10°. Stows alongside boom when not in use.	Maximum single I	Main hoist	Martin para para la contra de la contra del la c				
	Maximum tip height 19 m (62 ft).	Bottom	71 m/min	Statistics of Interviews				
Boom nose	bearings. Removable pin-type rope guards. 4000 kg (8800 lb) capacity, boom nose		(233 fpm) 77 m/min (253 fpm)					
Optional *searcher hook			83 m/min (273 fpm)					
Boom elevation	One double-acting hydraulic cylinder with integral holding valve provides elevation from 0° to 65°.		3300 kg	Electrical System				
Load-moment indicator and anti- two block system	Audio visual type warning with control lever lockout.	layer Intermediate layer Top	(7275 lb) 3070 kg (6768 lb) 2840 kg					
Swing	Double row ball-bearing swing circle with	layer	(6261 lb)					
	360° continuous rotation. Spring-applied, hydraulically released disc brake. Plunger-	Rope supplied	$70\mathrm{m} \times 13\mathrm{mm}\mathrm{diame}$	eter (230 ft \times $\frac{1}{2}$ in).				
	type two position house lock. Maximum speed 2.45 rpm.	*Indicates optional item.						
Counterweight								
HYDRAULIC SYSTEM Pumps			Front: Orive-steer with planetury hab reduction. Reac, Non drive, non steer, Optional "steet.					
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