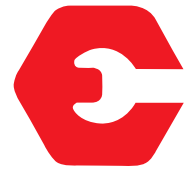


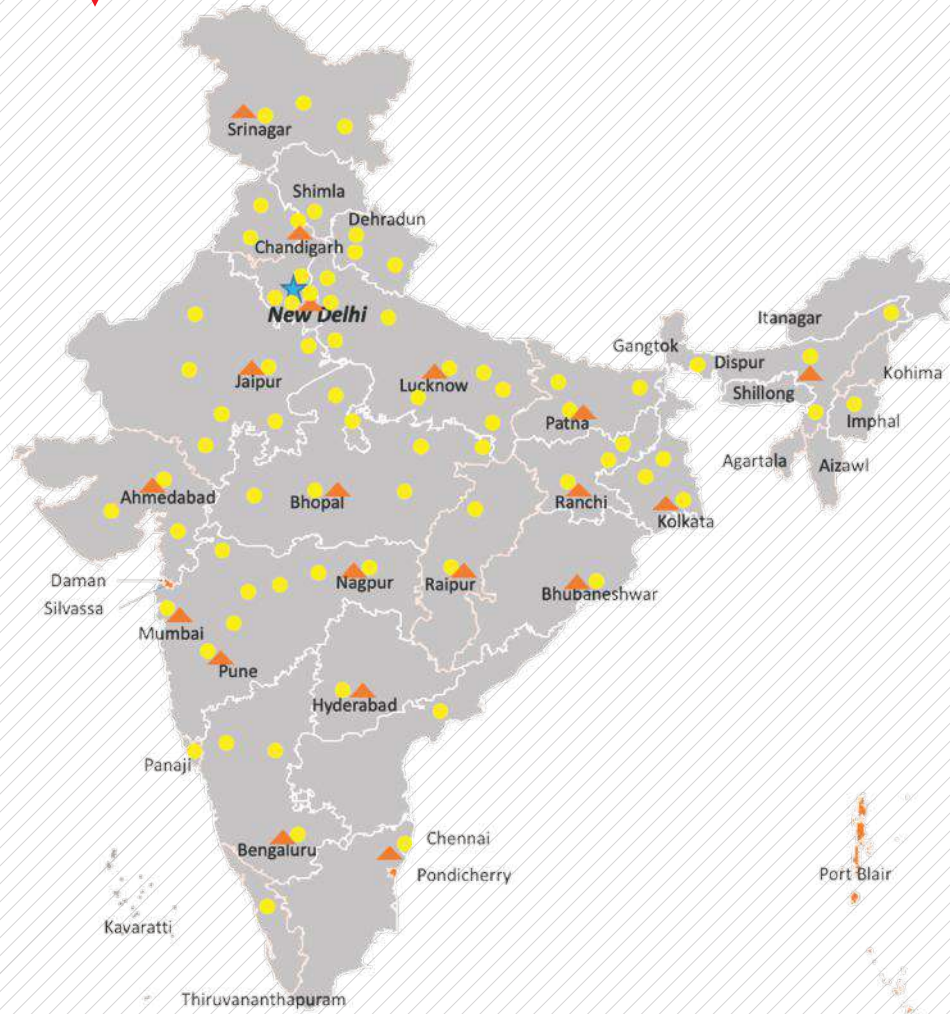
HYDRA 13 42



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(Accessories as shown in the picture may not be the part of standard fitment and are subject to change without prior notice.)



Capacity
13 T



Boom Height
42 Feet




















Straight Axle
Heavy Duty

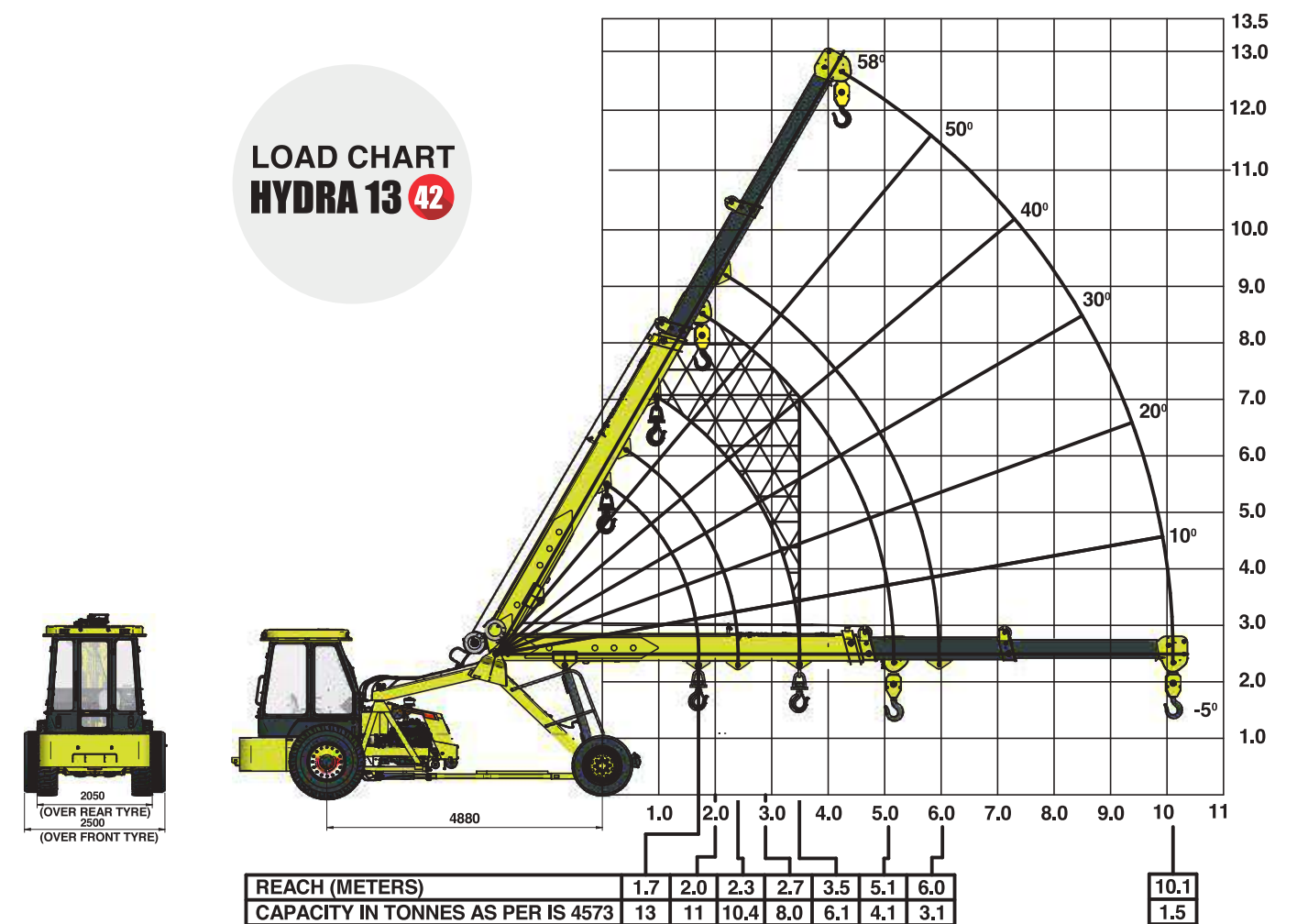


Structure
Robust

SPECIFICATIONS

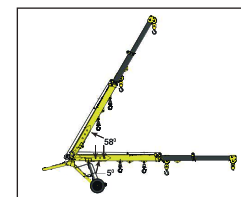
	RATED CAPACITY	
	13 Tonne at	1.7 m radius
	1.5 Tonne at	10.1 m radius
	ENGINE	
Make & Model	Simpson S 433 (I) – CEV BS III, 4 cylinder, water cooled diesel engine developing 48 HP @ 2200 RPM or equivalent	
	TRANSMISSION	
Drive	2 Wheel drive	
Type	Heavy duty transmission developed especially for crane application. Constant mesh gearbox coupled with straight drive axle. Eight forward and two reverse speeds with high/low selector lever	
Max. Speed	29 km/hr. (unladen)	
Clutch	Heavy duty clutch, wire woven, asbestos free	
	STEERING	
Type	Articulated power steering, hydraulically controlled through 2 double acting jacks	
Articulation	Up to 50°	
Turning Radius	Approx 6.75 m	
	HOIST MECHANISM	
Hoist	Hydraulic winch. Four falls. Rope dia 13 mm	
	BRAKES	
Front Wheel	Pneumatic assisted hydraulic brakes	
Rear Wheel	Disk brakes actuated through a slave cylinder	
Parking	Hand control valve operated, Air assisted Hydraulic parking brakes at rear wheels (Standard models) Hand control valve operated, Air assisted Parking brakes at Front wheels (with Air brake models)	
	HYDRAULIC SYSTEM	
Pump	Vane type hydraulic pump	
Control Valve	4 spool control valve with built in pressure relief valve and precision control	
Hydraulic Filter	Suction line has a 100 mesh inline strainer while return line has 25 microns full flow filter	
	ELECTRICAL SYSTEM	
Type	12V Single battery, Negative earth	

	CAPACITIES	
	Fuel Tank	38 ltrs.
	Hydraulic Tank	65 ltrs.
	TRACK	
	Front	1980 mm
	Rear	1680 mm
	OVERALL DIMENSIONS	
	Length	11900 mm
	Width	2550 mm
	Height	3100 mm
	OPERATING WEIGHT (KG)	
	Gross vehicle weight	11200 kg
	BOOM	
	Telescoping	3 parts hydraulically powered & fully synchronized
	Derricking	Through double acting jacks
	TYRES	
	Front	10.00 X 20 -16 PR (4 nos.), inflation pressure 110 –115 PSI
	Rear	13.00 X 24 -12 PR (2 nos.), inflation pressure 35 PSI. Water ballasted
	SAFETY SYSTEM	
	<ul style="list-style-type: none"> • Overload audio warning system • Safety brakes on hoist • Cylinder guard for protection • Rope compensation for auto leveling • Counter balance protection valve in the lift against hose burst • Visual warning against parking brakes ON 	
	STANDARD ACCESSORIES	
	<ul style="list-style-type: none"> • All Weather Cabin • Turn & Reverse Lamp • Rear View Mirror 	<ul style="list-style-type: none"> • Lift Cylinder Guard • Front Bumper • Reflectors
	OPTIONAL ACCESSORIES	
	<ul style="list-style-type: none"> • Fly Jib • Spark Arrestor • Fire Extinguisher • Safe Load Indicator (SLI) • 14 x 24 Heavy Duty Tyres • Air Brakes on Front Wheel • Over Hoist & Hydraulic Cutoff Kit 	<ul style="list-style-type: none"> • Tool Box • Steering Wheel • Heavy Duty Bumper • Tyre Guard



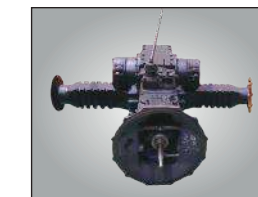
Rated loads are calculated for operation on leveled surface.

FEATURES



LUFFING RANGE

Boom Luffing Range -5° to 58°



TRANSMISSION

Heavy duty straight axle with constant mesh transmission.



CABIN

Ergonomically designed spacious cabin with modern dashboard for utmost operator comfort and operation.



REAR BRAKES

Disc brakes at the rear for effective braking.



INCREASED STABILITY

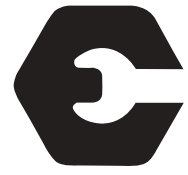
At fully articulated condition. Wider lift cylinders' span (400 mm).



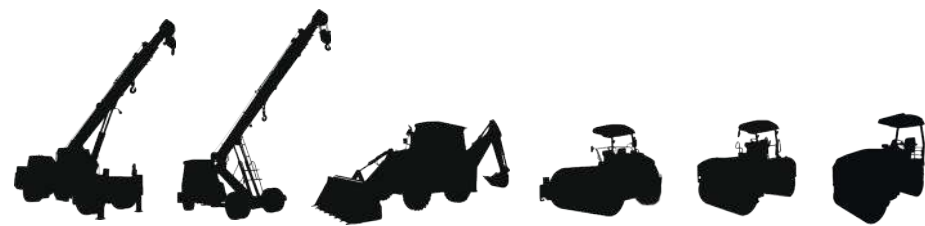
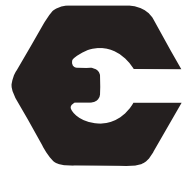
ENGINE

BS III (CEV compliant), category engine with high on power / torque & low on fuel consumption & maintenance.

HYDRA 13 ●



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