

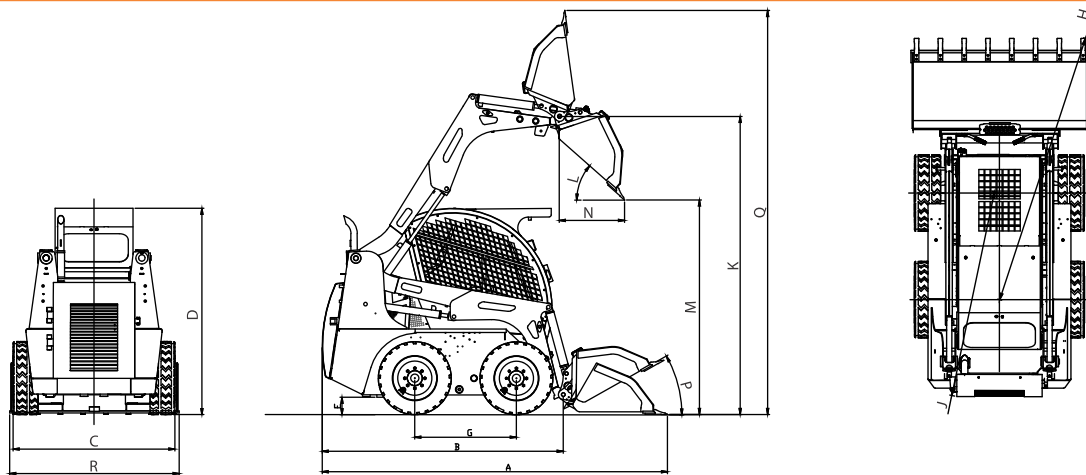
HEMAN 175

SKID STEER LOADER

ONE MAN ARMY



HEMAN 175 SKID STEER LOADER



Our vision
Vectra Advanced Engineering Pvt. Ltd. is committed to seeking growth and a sustainable market share in the India and Worldwide markets. Striving to achieve a work relation based on partnership with our employees, suppliers and customers, we are committed to fairness, our values and quality in creating our products.

Our mission
We constantly endeavor to achieve our objectives by meeting the requirements and expectations of our customers with relentless improvement in quality, efficiency, value, new product launches and customer service.

Continuous communication between management, employees, suppliers and customers in addition to ongoing improvement of processes, systems, equipment and the use of human resources have been the guiding force of our long journey in the industry.

DIMENSIONS	
	mm/deg
A - Length with bucket	3475 / 3621
B - Length without bucket	2570
C - Width with tyres	1650
D - Overall Height	2100
E - Ground clearance	190
F - Departure angle rear	26
G - Wheelbase	1023
H - Turning radius rear corner	2000 / 2134
J - Turning radius bucket corner	2680
K - Pin height	3022
L - Dump angle	40
M - Dump Height	2210
N - Reach at dump height	642
P - Roll back angle at ground	28
Q - Max reach at full height	4000
R - Bucket width (Standard)	1708

FEATURES	
Multi-disc parking brakes	
Gear drive	
Front cab access	
Fuel water trap	
Hydraulic parallel lift	
Adjustable seat	
Instruments audio/visual	
Instruments	
Dual element air cleaner	
Chassis-rigid fully welded high tensile steel structure	
Roof window for enhanced operating visibility.	
Rear window for emergency exit.	
Heavy duty gear boxes with slip-free gears.	
Axles of high ductile forgings, self lubricating.	
Mechanical hitch for quick change of attachments.	
Ergonomically designed seat, user friendly controls.	
Visual and audio warning to prevent system failures.	
Adequate inbuilt safety measures for operator/machine.	
Hydraulic tilt back cabin for maintenance ease.	
Easy to maintain and service with normal tools.	

TRANSMISSION	
Hydrostatic 4X4 independent drive through	
Tandem variable displacement acial pumps	
Fixed displacement low speed high torque gerola motors	
Final drive through positive gear boxes	

TYRES	
Front/ rear	10X16.5-10/8PR
Max. travel speed	13 kmph

SPECIFICATION	
SAE Operating weight	2990/3050 Kgs
Standard bucket capacity	0.40 / 0.46 cum
Maximum lift height	2955 mm
Time to raise lift arms fully	3-5 Sec.
Breakout force-bucket	1885Nm
Breakout force-lift arm	1445Nm

STANDARD FEATURES	
Auxiliary hydraulics	
Cab - swing up	
Tubeless tyres	
Key stop	
Lift arm stop	
Lifting eyes	
Working light	
Quick hitch	
Roof window	
Safety Seat belt	
Air Cleaner clog warning indicator	
Battery charge	
Charge pump pressure	
Coolant temperature gauge	
Engine oil pressure	
Fuel level gauge	
Hour counter	
Hydraulic oil temperature gauge	
Cabin light	
Rear window for emergency exit	
Hydraulic clog indicator	
Fuel clog indicator	
Cab with front door lock	
Rear view mirrors	
Wiper motor with wiper blade	
Cabin fan	
Head lights with side indicators	
Tool kit	
4 chamber tail lamps	

HYDRAULICS	
Engine driven gear pump with valve block, twin arms	
lift cylinder with end cushion and bucket cylinders.	
Flow (Liters per min)	80
Working pressure (bar)	175

ELECTRICALS	
12 volts negative earth system with battery isolator	
Battery	150 AH
Low maintenance alternator	36 / 65Amp
Starter motor	12 V

BRAKES	
Service brake: Hydraulically activated and released	
multi plate Fade free breaks from integral part of drive motors.	
Parking Brake: Electrically activated	

CAPACITIES	
Fuel system	62 Liters
Engine lub oil	8 / 9.5 Liters
Engine coolant	16 Liters
Transmission	14 Liters
Hydraulic system	70 Liters

PERFORMANCE	
Rated operating capacity	600-750 Kgs
Tipping load	1200-1500 Kgs

ENGINE	
BS III Model	
Simpson S-433 Industrial BS III, 35.79kW/ 48HP/ 48.67PS @2200rpm 4 Cylinder, Liquid Cooled, Diesel Engine, Naturally Aspirated	
BS IV Model	
Simpson SJV-433 Industrial BS IV, 54kW/72.42HP/73.42PS @2200rpm, 4 Cylinder, Liquid Cooled, Diesel Engine, Turbo Charged	

ATTACHMENTS	
6 IN 1 Bucket	
Sweeper collector	
Ripper tooth	
Backhoe	
Excavator Bucket: 300mm,450mm,600mm & Ditch Cleaning bucket.	
Pallet Forks	
Industrial grappler	
Rock breaker	
Snow blower	
Steel tracks (Track over tyres)	
Rubber tracks (Track over tyres)	
Post hole borer / Auger	
Shredder	
Snow Blade	
Stump Grinder	
Trencher	
Side Tip Bucket	
High Tip Bucket	

OPTIONAL	
Heavy duty tyres/ Solid tyres -Tubeless	
Buckets: Varying capacities upto 0.65 cum limited to machine rating operating capacity.	
Servo Variant also available	

Note: All dimensions are variable within ± 1.5%. VAEPL reserves the right to change specifications without prior notice

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