

HANOMAG

NEW

Industrial Loader 35 DI

*with parallel-lift geometry
and quick-attach adaptor*

- Tremendous reach and lift height
- Full visibility of attachments and pallets or other loading materials
- Stacker attachment
- Loading bucket attachment
- Wide selection of additional attachments for industrial or municipal applications
- 6-cylinder diesel engine with direct injection, turbo charged
- Torque converter and 3-speed full powershift transmission
- Planetary reduction gears and self-locking differentials



Industrial Loader 35 DI



Engine

Make	Perkins
Model	C 6354.4
Type	Diesel
Power ratings at 2250 rpm	81 kW/109 hp SAE net*
	81 kW/110 PS DIN 70020
Max. torque ratings at 1400 rpm (DIN 70020)	394 Nm
No. of cylinders	6
Bore	98.4 mm (3.875 in)
Stroke	127 mm (5 in)
Displacement	5800 cm ³ (354 cu in)
Compression ratio	16 to 1
Fuel injection	Direct
Cooling system	Dual circuit, thermostatically controlled liquid cooling
Electrical system	24 volts
Batteries	2 x 12 v., 88 amp.h. (DIN)
Three-phase alternator	35 amp.
Air cleaner	Dry type

* Net horsepower at flywheel of engine operating under ambient conditions of 29 °C and 760 mm Hg., equipped with fan, air cleaner, muffler, water, oil and fuel injection pumps and alternator, not charging.



Transmission

Converter transmission	HANOMAG G 512, with single stage torque converter
Conversion ratio	3.0 to 1
Shift transmission	Hanomag G 412, Full powershift
Speeds	3 forwards/3 reverse



Travel speeds

forwards/reverse (max.)	1st	2nd	3rd
km/h	7.1	14.5	34.0
mph	4.4	9.0	21.1



Axles

Drive	Four wheel drive with planetary reduction gears in the axle housings and self-locking differentials in front and rear axle
Front axle	Fixed
Locking action	45 %
Rear axle oscillation	28 °
Tyres	17.5—25 EM 12 PR 17.5—25 XRA* 17.5—25 XRDNA* 20 —24 EM 12 PR 20 —24 XRDNA*



Steering

Type	Articulated frame steering
Steering angle, each direction	40 °
Steering pump	Gear type
Relief valve setting (pressure)	180 bar (2560 psi)
Pump flow	45 l/min (9.9 imp. gal/min)



Brakes

Service	Air over hydraulic, servo-assisted disc brakes, separate circuit front and rear (4 wheel braking)
Parking	Mechanical, disc type on drive shaft



Hydraulic system

Type	Fully closed, two stage, 2 pump system with loader and steering (switchover) pump Automatic-Load-Stabilizer (optional)
Loader operating pressure	
Stage 1 (dual pumps)	140 bar (1990 psi)
Stage 2 (single pump)	180 bar (2611 psi)
Loader operating flow	
Stage 1	152 l/min (33.4 imp. gal/min)
Stage 2	100 l/min (22.0 imp. gal/min)



Standard equipment

2 halogen road lights with highflow beams; 2 front flashing direction indicators; 2 combination tail light, stop light and flashing direction indicator units; 2 rear working lights.

Hourmeter; speedometer; shifting pressure gauge; service brake pressure gauge; engine coolant temperature gauge; converter oil temperature gauge; fuel level indicator; horn; 3 spool valve.

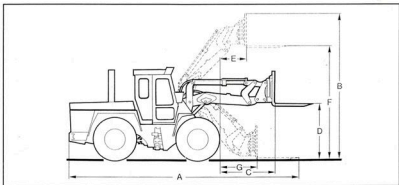
Fully adjustable suspension seat; seat belt. Front and rear fenders; engine side panels; muffler; rear view mirrors; pull hitch; tool box; tyre inflater; antifreeze down to -20°C.



Attachments

Safety cab (to SAE/ISO standards), noise reduced; tinted laminated glazing; wipers; washers; variable sunblind; sliding door windows; adjustable roof vent; heater and front defroster; 2 rear working lights; wireless set.

Stackers; loading buckets; log clamp; crane hook; sweeper; clearance blade. No problems in refitting loading equipment back to Hanomag cross-over geometry.



▲ The open design of the loading equipment ensures outstanding visibility of the line tips for spot on pickup of pallets and other materials.

▼ With the aid of the hydraulic quick-attach adaptor, besides stacker or loading bucket also sweeper or clearance blade are mounted from the adaptor's seat in a matter of minutes.



Stacker equipment

A	Overall length	7150 mm (281.5 in)
B	Overall height	4610 mm (181.5 in)
C	Reach, loading arms horizontal	1800 mm (70.9 in)
D	Lift height, horizontal position	1840 mm (72.4 in)
E	Reach at full lift height	1060 mm (41.7 in)
F	Maximum lift height	3670 mm (144.5 in)
G	Reach at ground level	1210 mm (47.6 in)

	Tine length of stacker	1200 mm (47.2 in)
	Tine adjustment (outer edges)	240 — 1240 mm (9.4 — 48.8 in)

	Frame width of stacker	1380 mm (54.3 in)
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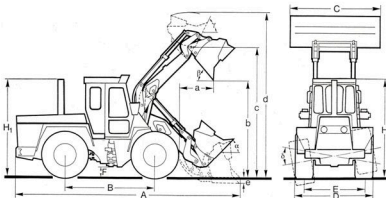
	Tipping load, machine straight	4060 kg (8950 lbs)
	Pay load, machine straight	3250 kg (7165 lbs)

	Operating weight, approx.	9200 kg (20285 lbs)
	Above data based on equipment with 175–25 EM tyres and quick-attach adaptor.	

Bucket equipment

	Bucket capacity	1,3 m ³ (1.75 cu yd)
	Bucket width	2440 mm (96.1 in)
	Breakout force (effective)	74 kN (16635 lbs)
	Lifting capacity to full height (effective)	39.3 kN (8835 lbs)
	Tipping load at 40° turn	5100 kg (11250 lbs)
	Pay load at 40° turn	2550 kg (5625 lbs)
	Operating weight, approx.	9500 kg (20950 lbs)
	Above data based on equipment with 175–25 EM tyres and quick-attach adaptor.	

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Measurements

A	Overall length	6650 mm (261.8 in)
B	Wheelbase	2510 mm (98.8 in)
C	Bucket width	2440 mm (96.1 in)
D	Width less bucket	2245 mm (88.4 in)
E	Gauge	1800 mm (70.9 in)
F	Ground clearance	365 mm (14.4 in)
H	Height at cab	3085 mm (121.4 in)
H1	Exhaust height	3055 mm (120.3 in)



Operating data

a	Reach at full lift, 45° discharge	995 mm (39.2 in)
b	Dump clearance, 45° discharge	2635 mm (111.6 in)
c	Lift height, hinge pin	3730 mm (146.9 in)
d	Lift height, bucket tip	4800 mm (189.0 in)
e	Dig below ground level, 0°	60 mm (2.4 in)
alpha	Rollback, carry position	57°
beta	Dump, full height	45°
gamma	Rollback, full height	64°
y	Oscillation, maximum	28°

All dimensions based on machine fitted with 17.5—25 EM tyres.

In accordance with the Company's policy of continuous improvement to its machines, alterations in the specifications of machines may be made at any time without notice and the Company accepts no responsibility for any discrepancies which may occur between the specifications of its machines and the descriptions thereof contained in its publications.

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