



THE EUROPEAN LEADER IN HANDLER DESIGN

- PANORAMIC 360° VISIBILITY
- HYDROSTATIC DRIVE WITH INCHING PEDAL
- THREE MODE STEERING
- LUXURY 'SILENT BLOCK MOUNTED' CAB
- REMOTE LOCKING OF ATTACHMENTS
- DOUBLE ACTION CONTROLS
- HIGH GROUND CLEARANCE
- 3000 Kg CAPACITY
- 6.95 m LIFT HEIGHT
- 3.66 m OUTREACH
- 84 HP OR 114 HP PERKINS ENGINE
- BOOM SIDE-SHIFT
- LOW CENTRE OF GRAVITY
- UPTO 40 K.P.H. ROAD SPEED

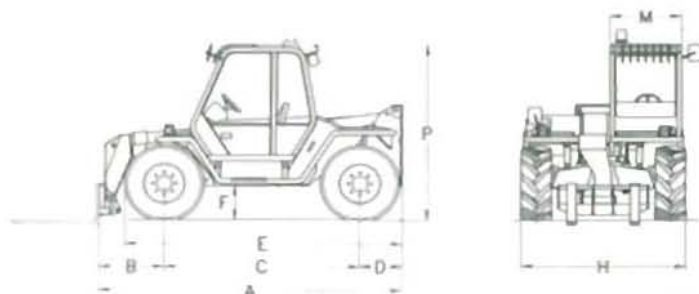


ALL WITHIN
A RING
OF STEEL

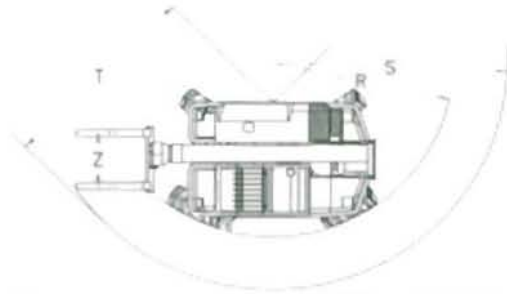
PANORAMIC P 30.7 EVS

A	mm	4120
B	mm	900
C	mm	2650
D	mm	570
E	mm	3755
F	mm	480
H	mm	2220
M	mm	930
P	mm	2440
R	mm	3810
S	mm	4570
T	mm	3560
Z	mm	850

DIMENSIONS



OUTSTANDING MANOEUVRABILITY



WEIGHTS

Machine weights with forks kg 6650

PERFORMANCES

Max. lift capacity	kg	3000
Max. lift height	mm	6950
Max. reach	mm	3660
Max. height at full capacity	mm	6950
Max. reach at full capacity	mm	1450
Max. capacity at full height	kg	3000
Max. capacity at full reach	kg	1150
Tear-out force with 800 l bucket (SAE J732/80)	kg	4230
Drawbar pull	kg	5850
Carriage rotation	deg	140

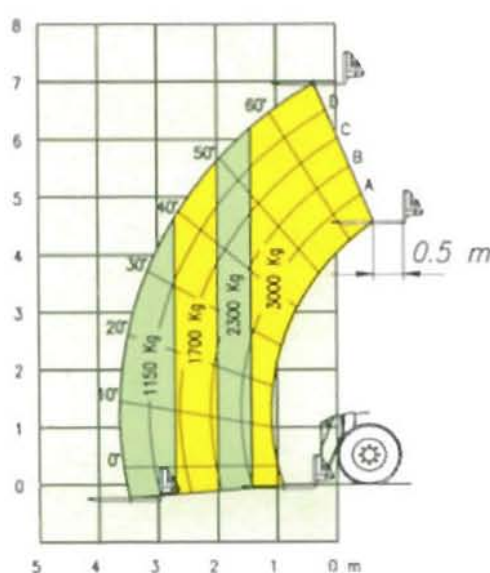
OPERATING TIMES

Boom lift	sec	9
Boom lower	sec	7
Boom extend	sec	7
Boom retract	sec	6
Full carriage tilt	sec	5
800 l bucket dump	sec	1.5

TRAVEL SPEED

1st gear	kph	7
2nd gear	kph	24

P 30.7 EVS



Lift capacities at 500 mm load centre (FEM 4001r)

OPERATOR'S CAB

Structure complies with EEC directives 86/295 (ROPS) and 86/296 (FOPS).

The cab is mounted on rubber antivibration blocks and fitted with noise dampening panels.

Front and rear screens are fitted with wipers and can be opened for additional ventilation. Boom and carriage are operated by "2 in 1" joystick levers.

Instrumentation includes: Tachometer/Revolution counter, hour meter, fuse box, check-control panel showing blocked engine air filter, hydrostatic oil level and temperature, engine oil pressure, coolant temperature, parking brake warning light. Centralized pressure test gauge.

Also as standard is a cab heater/demister/pressurisation system and a courtesy light.

SAFETY SYSTEMS

A safe load warning device activates both audio and visual signals and locks overloading actions.

Safety lock valves are incorporated in all hydraulic cylinders. A reversing bleeder is fitted.

Remote engine hood lock.

Fire extinguisher couplings in the cab.

Safety belts pre-arrangement.

BOOM SIDE-SHIFT

A MERLO patented chassis side-shift is fitted allowing +/- 110 mm of carriage side-shift with boom fully retracted or +/- 190 mm if boom is fully extended.

BOOM

A two section boom made from high yield steel and telescoping on anti friction externally adjusted pads. The extension cylinder is protected by mounting inside the boom.

CARRIAGE

A "TAC-LOCK" carriage (for attachment of

equipments from inside the cab), is fitted with two hydraulic service lines making a double acting service.

PALLET FORKS

1200 mm long, section 130 x 45 mm.

Centre to centre fork distances, hand adjustable, from 450 to 1050 mm.

STEERING

Hydraulically powered, three modes:

- All wheel steer
- Front wheel only steer
- Crab steer

ENGINE

4 cylinder PERKINS 1004-4 Diesel engine with direct injection and water cooling 62 kW (84 Hp) at 2400 rpm (DIN 70020).

TRANSMISSION

Hydrostatic closed circuit type with automatic stepless speed regulation, nching pedal.

Two speed gearbox.

Permanent four wheel drive through differential and hub reduction gears.

Front axle is mounted rigidly, the rear axle oscillates. Dropped hubs of the crown and pinion reduction type for improved ground clearance.

BRAKES

Hydraulically activated disc brakes on all four wheels, mounted on differential output shafts.

Negative parking disc brake hydraulically controlled on main propshaft.

SERVICE HYDRAULICS

Gear pump. Maximum flow: 80 l/min

Operating pressure: 210 bar
125 micron "FOR LIFE" strainer on suction line
40 micron filter on return line.

ELECTRICS

12 V system with 110 Ah battery and 65 A alternator. Full road lighting and flashing beacon.

CAPACITIES

Hydraulic oil: 95 l

Diesel fuel: 155 l

Hydrostatic oil: 8 l

Engine oil: 7.5 l

Coolant: 12.5 l

TYRES

16/70 x 20" 14 PR.

Mounted on 8 stud disc rims (DIN 74361).

OPTIONS

A wide range of options includes: Turbo charged engine 84 kW (114 HP) at 2400 rpm (DIN 70020) and 40 kph high speed transmission.

Rear differential lock. Rear PTO.

12.5 x 20" 10 PR tyres (width H = 2140 mm).

Front stabilizers.

Hydraulic activated tilt device with automatic lock when boom exceeds the safety angle.

"4 in 1" electromechanical joystick.

Roof window wiper.

Front screen guard.

Pre-arrangement for rear excavator and mixing shovel.

ATTACHMENTS

A comprehensive range of attachments for the construction industry, agriculture and industrial applications is available.

Contact your local dealer for details.

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