SLANETRAC

HT 1000

Equipment User & Maintenance Manual

SLANETRAC.ie

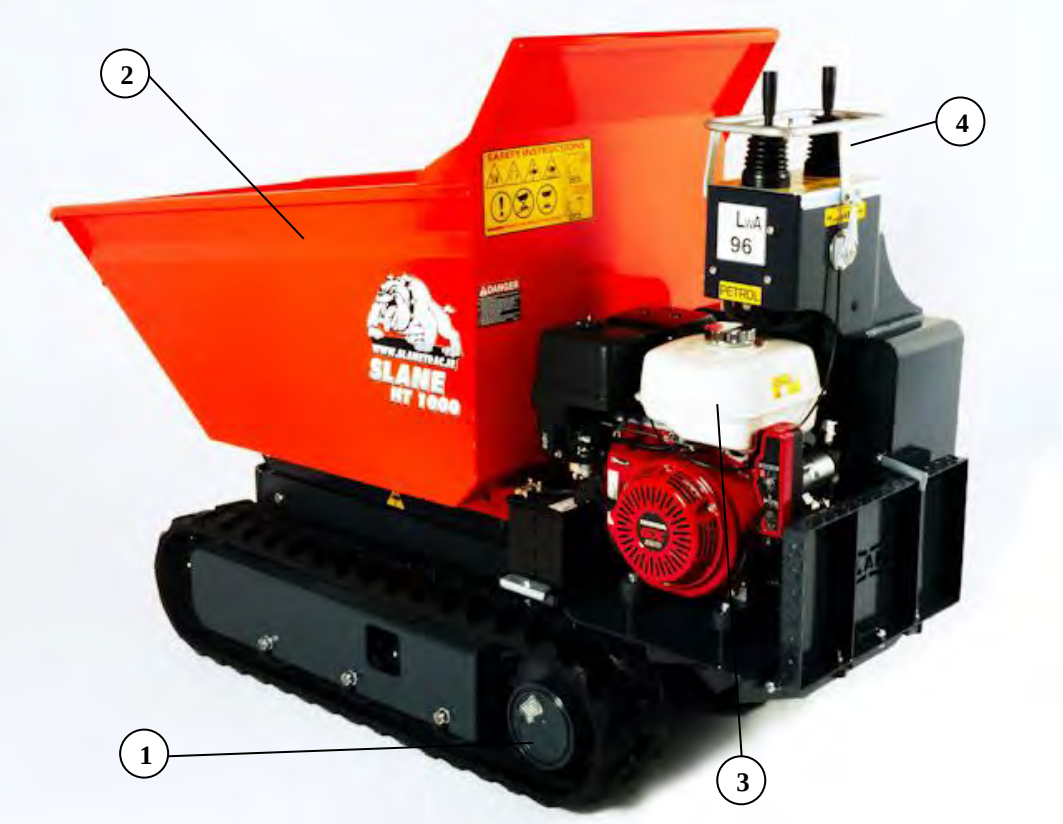
HT 1000

Honda GX390

Tel:00353 4690 24858
Email slanetracsales@gmail.com

3. GENERAL INFORMATION

3.2 Functional Elements on the Slanetrac HT 1000



Position	Description
1	Drive system
2	Skip
3	Engine
4	Hydraulic system

3.2.1 DRIVE SYSTEM

The drive is of the hydraulic type. There are two independently driven track motors. These are used for forward, reverse, right turn or left turn depending on the position selected for the two control levers. When the levers are in the neutral position the drive system is locked in position which prevents movement. The tracks used are made of rubber to minimise ground damage.

3.2.2. SKIP

The load skip or hopper is fabricated from steel plate. It has a level filled capacity of 400litres and a peaked filled capacity of 500litres. The unit incorporates a “high-tip” mechanism. This allows the skip to be either tipped directly or raised vertically to a pivot pin height of 1270mm before tipping. Both the tipping function and the high lift functions are operated by hydraulic cylinders.

3.2.3. ENGINE

The engine is a Honda GX390 petrol powered unit. This air-cooled compact engine is direct coupled to the hydraulic pump unit and so no belts or gears are required. Full details on the unit are available in the accompanying Honda manual.

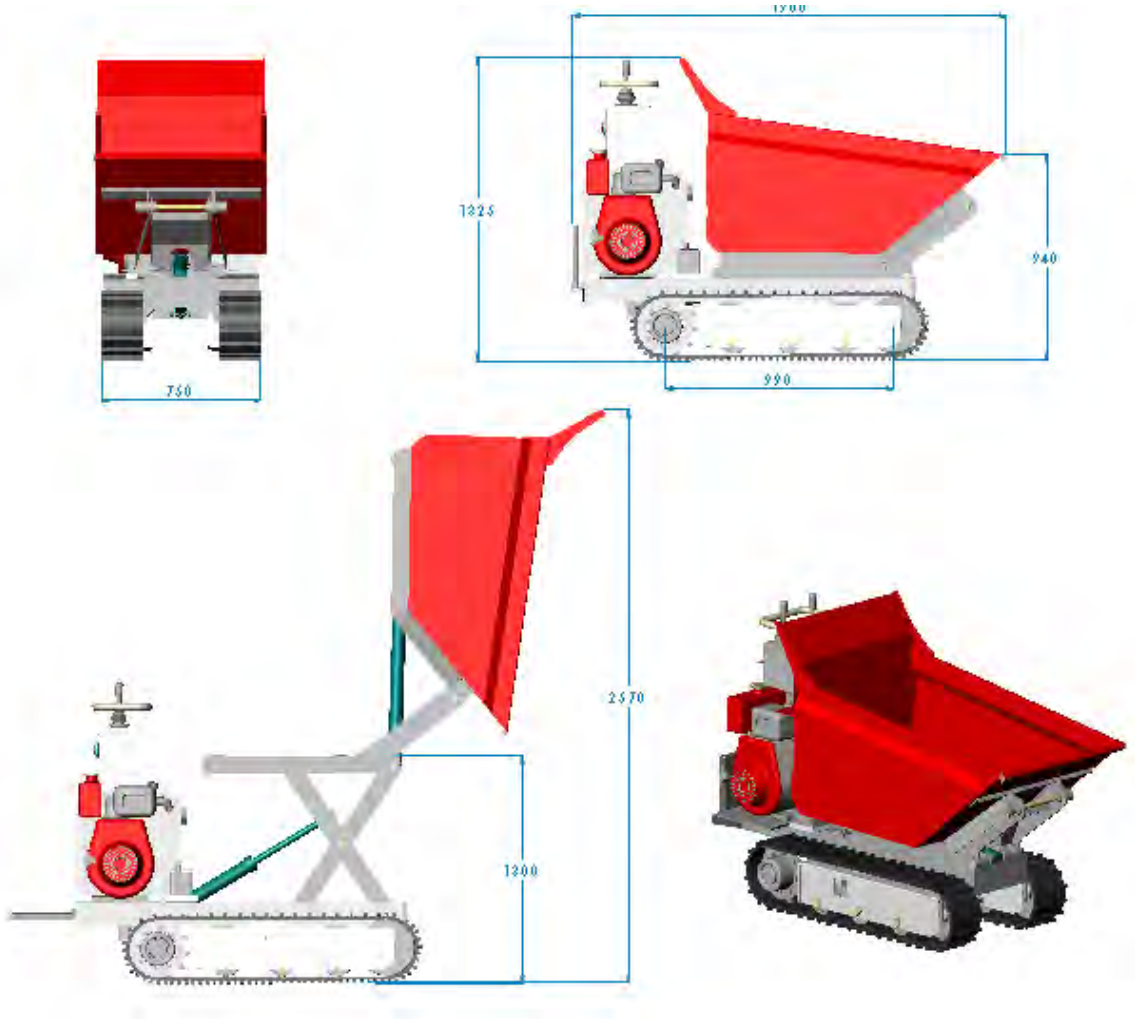
3.2.4. HYDRAULIC SYSTEM

The hydraulic system comprises five principal elements:

- Hydraulic oil reservoir
- Hydraulic pumps (2 in combination)
- Hydraulic controls
- Hydraulic filters (1)
- Hydraulic cylinders (2)
- Hydraulic track drive motors (2)

4. TECHNICAL SPECIFICATION

4.1 MACHINE DIMENSIONS – WEIGHT – CONTACT PRESSURE

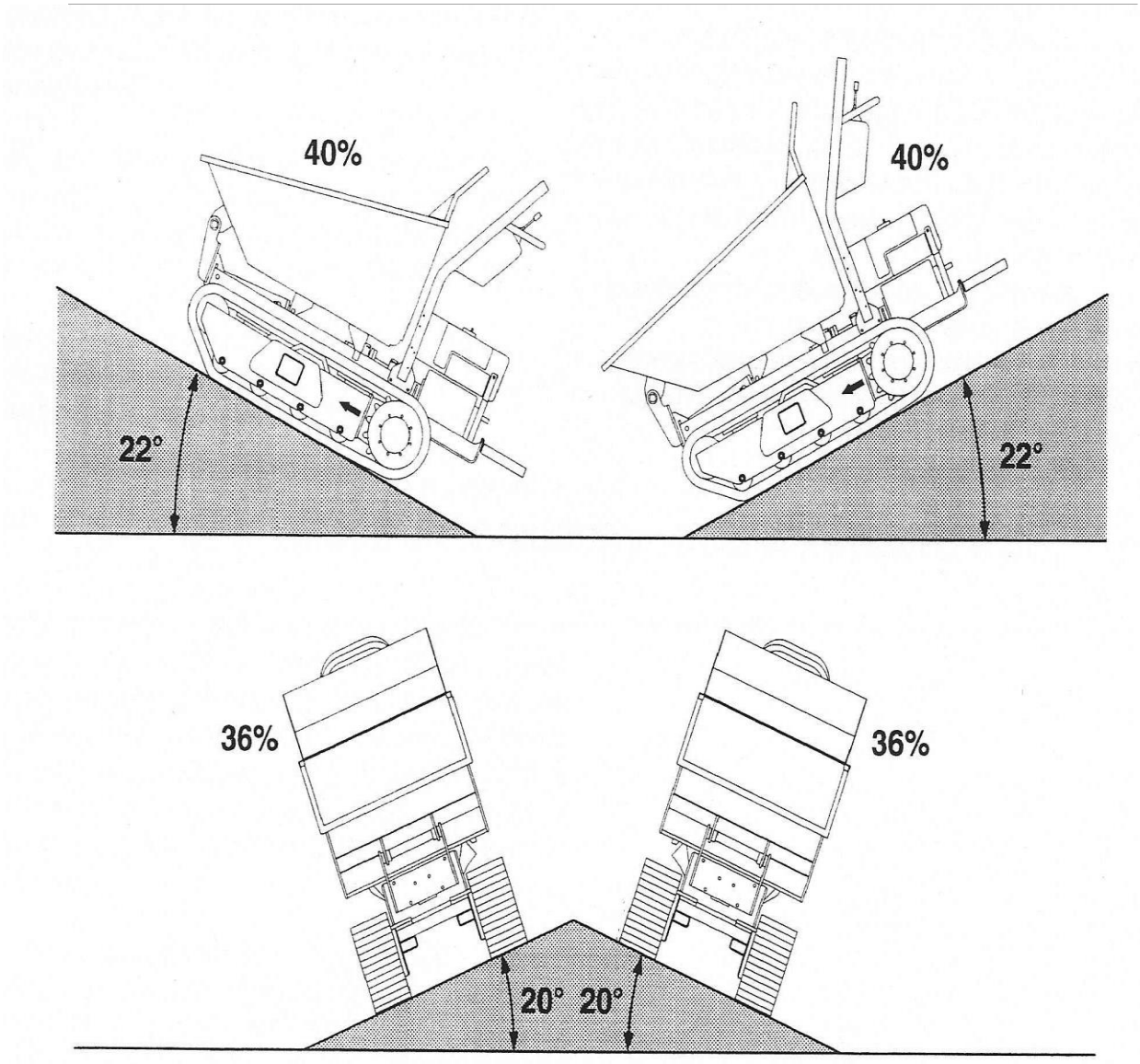


Unladened Machine	
Weight	Contact Pressure
600 kg	0.25 kg/cm2

Ladened Machine	
Weight	Contact Pressure
1600 kg	0.55 kg/cm2

4. TECHNICAL SPECIFICATION

4.2 MACHINE STABILITY



The machine can climb and decent slopes of 40% (22^0) with a stable packed load. The machine can move on cross slopes of 36% (20^0). Note at all time during transport the skip must be in the fully lowered position.

When using the “scissors” skip raising mechanism the machine must be on level ground.

During all tipping operations the machine must be on level ground.

4. TECHNICAL SPECIFICATION

4.3 TECHNICAL DATA

4.3.1 ENGINE

Make	HONDA
Model number	GX 390
Type	4-stroke, overhead valve
Fuel	Petrol
Cylinder number	One
Displacement	406 (24.8)
Bore X stroke	86 X 70
Max. power	13 HP @ 3600 rpm
Cooling System	Forced air
Starting System	Electric starting
PTO shaft rotation	Counter clockwise

4.3.2 HYDRAULIC SYSTEM

Number of pump units	2
Make	Cassapa
Capacity	6.2 X 2
Operating pressure	160 bar
Number of hydraulic motors	2
Make	ORBITAL
Capacity	100 cc

4. TECHNICAL SPECIFICATION

4.4 PERFORMANCE IN WORK

Skip capacity (peak filled)	400 litres
Skip capacity (level filled)	500 litres
Maximum operating slope with stable packed load (transverse direction)	36%
Maximum operating slope with stable packed load (longitudinal direction)	40%
Maximum payload	1000 kg
Velocity (forward)	1.5 – 4.5 km/h
Velocity (reverse)	1.5 – 4.5 km/h