

Technical data

Machine data

| LF 100 | Honda | Hatz |
|---|---|--|
| Engine | | |
| Manufacture/Model | Honda GX 160, 4-stroke | Hatz 1B20, 4-stroke |
| Power, kW (hp) | 4.1 (5.6) | 2.5 (3.4) |
| Rated speed, r.p.m. | 3,600 | 3,100 |
| Idling, r.p.m. | 1,400 | 1,200 |
| Compaction data | | |
| Vibration frequency, Hz (r.p.m.) | 95 (5700) | 95 (5700) |
| Amplitude, mm (in.) | 0.85 (0.03) | 0.85 (0.03) |
| Centrifugal force, kN (lbf) | 17 (3,822) | 17 (3,822) |
| Performance | | |
| Operating speed, m/min (feet/min) | 25 (82) | 25 (82) |
| Max tilt, ° (%) | 20° (30%) | 20° (30%) |
| Fluid volumes | | |
| Fuel tank capacity, litres (qts) | 3.6 (3.8) | 3.6 (3.8) |
| Crank case, litres (qts) | 0.6 (0.63) | 0.9 (0.95) |
| Fuel consumption, litres/hour (qts/h) | 1.21 (1.28) | 0.57 (0.6) |
| Water tank for asphalt, litres/hour (qts/h) | 13 (13.7) | 13 (13.7) |
| Lubricants | | |
| Fuel type | Petrol (gasoline). Use unleaded petrol of standard quality. | Diesel oil which conforms to EN500 or DIN 51601. |
| Engine oil | Shell Rimula R4 L 15W-40 | Shell Rimula R4 L 15W-40 |

Weights

| LF 100 | Honda L | Honda LA, asphalt | Honda LAT, asphalt | Hatz L | Hatz LAT, asphalt |
|----------------------------------|--------------|-------------------|--------------------|---------------|-------------------|
| Net weight, kg (lbs) | 95.2 (209.9) | 96.3 (212.3) | 102 (224.9) | 104.8 (231.0) | 111 (244.7) |
| Operating weight EN500, kg (lbs) | 96.6 (212.9) | 102.8 (226.6) | 108.5 (239.2) | 106.2 (234.1) | 117.5 (259) |

Weights for options

| | Honda | Hatz |
|--|-------------|-------------|
| Protective frame, kg (lbs) | 3.9 (8.6) | 4.7 (10.4) |
| Sprinkler system with protective frame, Net weight, kg (lbs) | 5.9 (13) | 6.7 (14.8) |
| Sprinkler system with protective frame, Operating weight EN500, kg (lbs) | 12.4 (27.3) | 13.2 (29.1) |
| Front cover with protective frame, kg (lbs) | 4.8 (10.6) | 5.9 (13.0) |
| Transport wheel, kg (lbs) | 5.4 (11.9) | 5.4 (11.9) |
| Block paving set, kg (lbs) | 4.2 (9.6) | 4.2 (9.6) |
| Lifting handle, kg (lbs) | 0.6 (1.3) | 0.6 (1.3) |
| Lifting tackle for truck fork with protective frame, kg (lbs) | 4.2 (9.3) | 5.0 (11.0) |
| Low vibration handle, kg (lbs) | 1.2 (2.6) | 1.2 (2.6) |

Noise and vibration declaration statement

Guaranteed sound power level **L_w** according to EN ISO 3744 in accordance with directive 2000/14/EC.

Sound pressure level **L_p** according to EN ISO 11201, EN 500-4.

Vibration value determined according to EN 500-4. See table "Noise and vibration data" for the values etc.

These declared values were obtained by laboratory type testing in accordance with the stated directive or standards and are suitable for comparison with the declared values of other machines tested in accordance with the same directive or standards. These declared values are not suitable for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, in what material the machine is used, as well as upon the exposure time and the physical condition of the user, and the condition of the machine.

We, Construction Tools EOOD, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.

This machine may cause hand-arm vibration syndrome if its use is not adequately managed. An EU guide to managing hand-arm vibration can be found at <http://www.humanvibration.com/humanvibration/EU/VIBGUIDE.html>

We recommend a programme of health surveillance to detect early symptoms which may relate to vibration exposure, so that management procedures can be modified to help prevent future impairment.

Noise and vibration data

| | Noise | | | Vibration | | | |
|--------------|----------------------------------|---|---------------------------------------|------------------------|----------------------|-----------------------------|----------------------|
| | Declared values | | | Declared values | | | |
| | Sound pressure | Sound power | | Three axes values | | | |
| | EN ISO 11201 | 2000/14/EC | | EN 500-4 | | EN 500-4 | |
| Type | L _p at operator's ear | L _w guaranteed dB(A) rel 1pW | L _w measured dB(A) rel 1pW | m/s ² value | | permitted working hours/day | |
| | | | | Standard handle | Low vibration handle | Standard handle | Low vibration handle |
| LF 100 Honda | 93 | 104 | 101 | 6 | 1.3 | 1.4 | 8 |
| LF 100 Hatz | 93 | 104 | 102 | 9.3 | 1.9 | 0.6 | 8 |

Permitted working hours per day are calculated on action value of 2.5 m/s² as per 2002/44/EC.

Uncertainties, sound value

| Type | Uncertainties, sound value | |
|--------------|----------------------------|-----------------------|
| | K _{wA} dB(A) | K _{pA} dB(A) |
| LF 100 Honda | 1.5-2.5 | 2.5-3.0 |
| LF 100 Hatz | 1.5-2.5 | 2.5-3.0 |

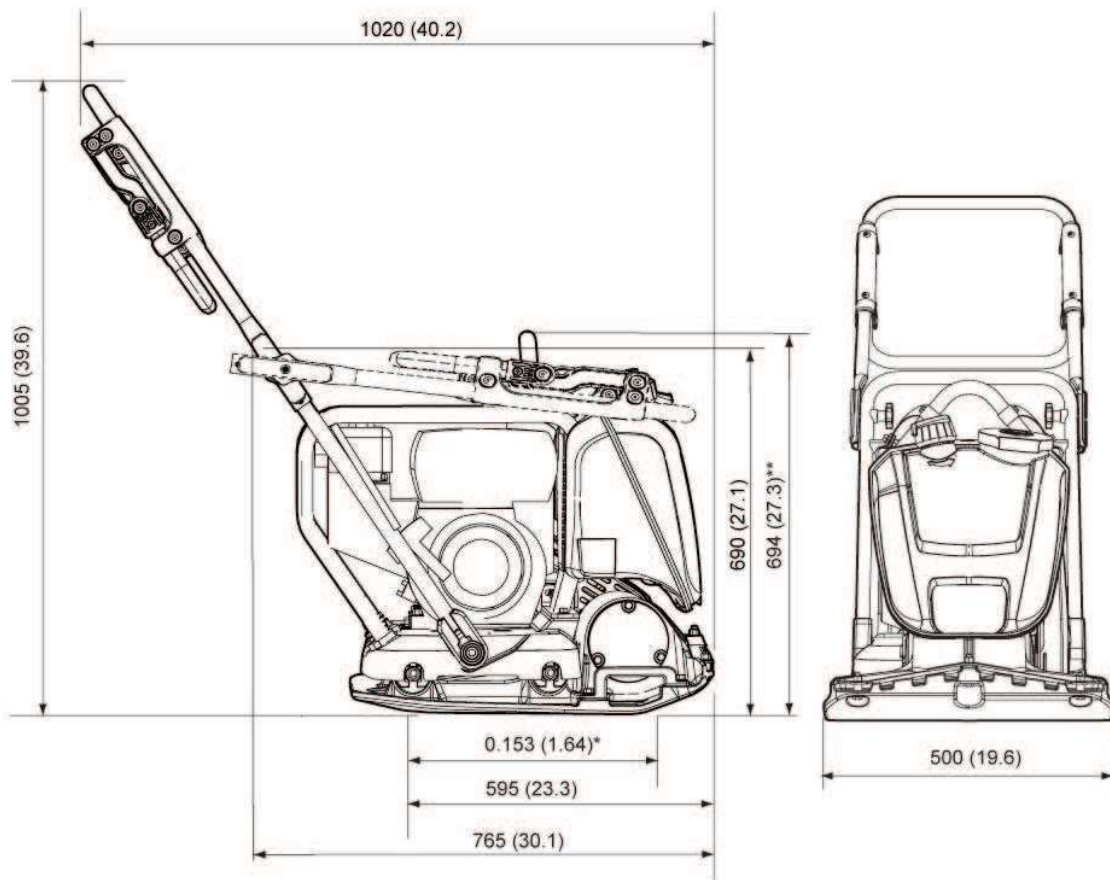
Uncertainty factor for gravel bed.

Dimensions

mm (in.)

*Contact area, m²(sq feet).

**Hatz, safety frame lifting point.



EC Declaration of Conformity

EC Declaration of Conformity (EC Directive 2006/42/EC)

We, Construction Tools EOOD, hereby declare that the machines listed below conform to the provisions of EC Directive 2006/42/EC (Machinery Directive) and 2000/14/EC (Noise Directive), and the harmonised standards mentioned below.

| Forward moving vibration plate | Guaranteed sound power level [dB(A)] | Measured sound power level [dB(A)] |
|--------------------------------|--------------------------------------|------------------------------------|
| LF 100 Honda | 104 | 101 |
| LF 100 Hatz | 104 | 102 |

Following harmonised standards were applied:

- ◆ EN500-1+A1
- ◆ EN500-4

Following other standards were applied:

- ◆ 2000/14/EC, appendix VIII
- ◆ 2004/108/EC

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