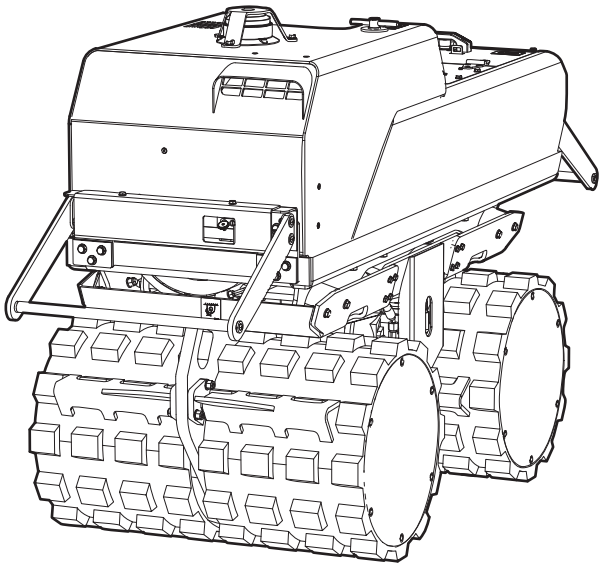
Chicago Pneumatic

Safety and operating instructions

Trench compactor
TR 630, 850



Technical data

Machine data

TR 630, TR 850	Hatz
Engine	
Type	Hatz 2G40, 2-cylinder Diesel
Power kW (hp)	12.5 (17.5)
Rated speed r.p.m.	2,500
Cooling system	Air cooled + hydraulic oil cooler + fan
Air filter	Dry type
Traction system	
Pump	Gear type
Engines	Radial Piston
Pressure Valve, MPa (psi)	26.5 (3,844)
Control system	
Normal control	Radio
Temporary control	Cable
Brake system	
Service brake	Hydrostatic
Parking brake	Mechanical
Performance	
Operating speed, m/min (foot/min)	20.5 (67.3)
Transport speed, m/min (foot/min)	39 (128)
Maximum tilt, ° (%)	20 (36)
Maximum inclination, ° (%)	20 (36)
Compaction data	
Vibration frequency, Hz (r.p.m.)	32 (1,920)
Centrifugal force, kN (lbf)	48 (10,791)
Amplitude, mm (in.)	1.2 (0.04)
Vibration system	
Pump	Gear type
Motor	Gear type
Safety valve, Mpa (psi)	15 (2175)
Fluid volumes	
Fuel tank, litres (qts)	17.0 (18.0)
Crankcase oil capacity, litres (qts)	2.5 (2.6)
Hydraulic oil, litres (qts)	21.0 (22.2)
Eccentric element, litres (qts)	0.5 (0.5)
Fuel consumption, litres/hour (qts/h)	3.2 (3.4)
Lubricants	
Engine oil	Shell Rimula R4 L 15W-40
Eccentric element oil	Shell Rimula R4 L 15W-40
Hydraulic oil	Shell Tellus TX68
Fuel	Use diesel oil that complies with EN 590 or DIN 51601.
Electrical system	
Battery Voltage, V	12
Generator Capacity, Ah	50
Fuses, A	1x30, 1x40
Generator, W	330
Starter motor, kW (hp)	1.7 (2.3)

Weights

	TR 630	TR 850
Net weight, kg (lbs)	1,548 (3,413)	1,650 (3,638)
Operating weight EN500, kg (lbs)	1,573 (3,468)	1,675 (3,693)

Radio equipment

Transmitter	
Operating voltage	Battery NiMh 1500 mAh. The transmitter can be operated without battery via cable control.
Operating time	Up to 15 hours with a new battery.
Data display	Graphical, resolution 128 x 32.
Protection class	IP 66.
Operating temperature, °C (°F)	Between -25 (-13) and +85 (+185).
Storage temperature, °C (°F)	Between -40 (-40) and +85 (+185).
Battery	2 x NiMh batteries supplied with the machine.
Receiver	
Operating voltage, V DC	Between 10 and 32
General consumption	100 mA, without external charging at 12 V DC.
Processor	CPU design 2 robust safety switches (max 2 A). Designed to fulfil EN 13849-1 PL e (EN951-1, Cat 4).
Operating frequency, GHz	BlueTooth, 2.4
Indication, receiver	Triple-colour LED, Red/Green/Yellow.
Indication, CAN status	Twin-colour LED Red/Green.
Protection class	IP 67
Operating temperature, °C (°F)	Between -25 (-13) and +85 (+185).
Storage temperature, °C (°F)	Between -40 (-40) and +85 (+185).

Noise and vibration declaration statement

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

Sound pressure level **Lp** 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	
	ISO 11201	2000/14/EC		EN ISO 20643	
Type	Lp at operator's ear	Lw guaranteed dB(A) rel 1pW	Lw measured dB(A) rel 1pW	m/s ^{2} value	permitted working hours/day
TR 630, TR 850	92	106	104	-	-

Uncertainties, sound value

	Uncertainties, sound value	
Type	K_{wA} dB(A)	K_{pA} dB(A)
TR 630, TR 850	1.5-2.5	2.5-3.0

Uncertainty factor for gravel bed.

Dimensions

mm (in.)