

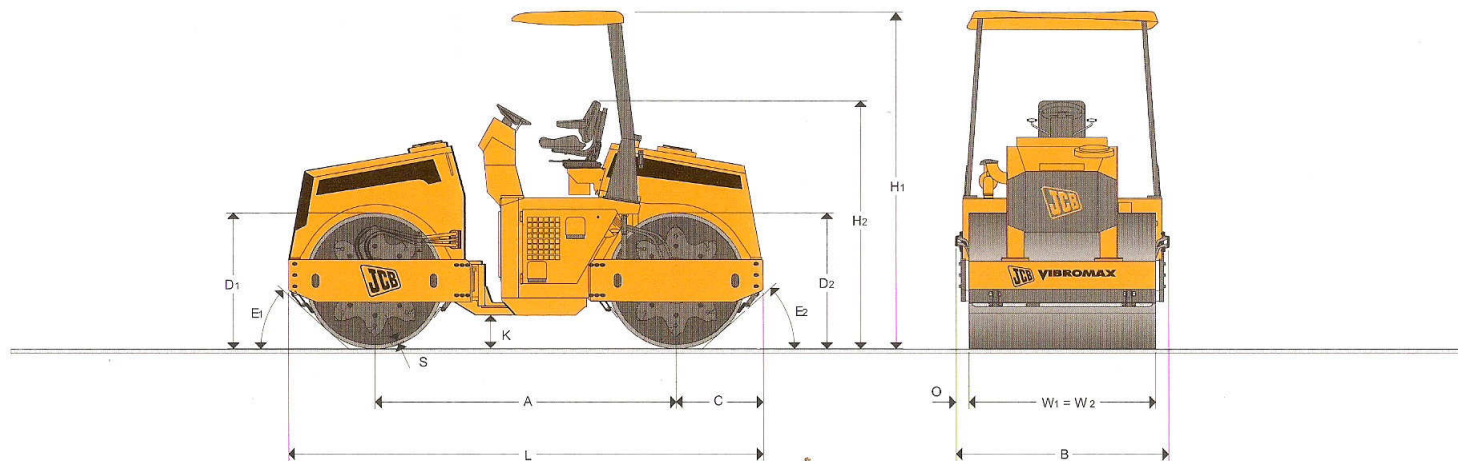


JCB VIBROMAX – COMPACTION EQUIPMENT TANDEM VIBRATORY ROLLER VMT850



MAX. DRUM WIDTH : 1675 mm

MAX. OPERATING WEIGHT : 8650 kg



STATIC DIMENSIONS

Dimensions in millimeters		
A	Wheelbase	2690
B	Overall width	1875
C	Axle to rear face	770
D ₁ = D ₂	Drum diameter	1220
H ₁	Total travel clearance	3050
H ₂	Height to top of seat	2375
K	Ground clearance	300
L	Total travel length	4230
O	Overhang	100
S	Drum thickness	17
W ₁ = W ₂	Drum width	1675
E ₁	Front departure angle	42°
E ₂	Rear departure angle	42°

OPERATING DATA

Operating weight (CECE)	kg	8650	
Operating axle load front / rear	kg	4230 / 4420	
Operating liner load front / rear	kg / cm	25.25 / 26.39	
Vibration stage		1	2
Exciter frequency	Hz (vpm)	33.3 (2000)	50 (3000)
Nominal amplitude	mm	1.1	0.40
Centrifugal force per drum	kN	71.6	33.4
Centrifugal force / drum width	N/cm	427	199
Compaction depth up to	cm	70	70
Working speed (forward/reverse) max.	Km/h	5.5	
Travel speed (forward/reverse) max.	Km/h	11	
Steering lock angle	degrees	± 25	
Vertical oscillation	degrees	± 10	
Inner turning radius	m	7.5	
Gradeability up to	(%)	32.5	



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TANDEM VIBRATORY ROLLER **VMT850**



ENGINE

Four-cylinder, water-cooled, four-stroke diesel engine.		
Make		Koel
Model		4 R 1040
Total displacement	cm ³	4160
Rated Power	(hp)	76
Operating speed	(rpm)	2200
Starting device		Electric motor
Air cleaner		Dry cartridge plus safety cartridge
Fuel filter		Cartridge

PROPULSION

Infinitely variable hydrostatic direct drive on both drums = all drum drive.

EXCITER DRIVE

Electrically controlled hydrostatic direct drive on both drum for single or double vibration.

EXCITER

Single-Shaft circular exciter with over turning weights.

STEERING SYSTEM

Servo-assisted centre articulation with vertical oscillation.

SERVICE CAPACITIES

Fuel	litres	140
Engine oil (engine)	litres	9.5
Hydraulic oil	litres	130
Sprinkler water, front	litres	465 / 375

BRAKING SYSTEM

Service brake : Hydrostatic propulsion system.
Parking brake : Hydraulically released multi-disk brake on rear drum

ELECTRICAL SYSTEM

Voltage	V	12
Battery capacity	Ah	100
Alternator (Current carrying capacity)	A	55

INDICATORS AND GAUGES

Fuel level, operating hours, charging current, minimum engine oil pressure, (high) engine temperature, starter lock, vibration stage, parking brake, spinkler system, hydraulic oil filter condition, direction indicator, high beam indication, hazard warning indication, air filter choke indication, rpm meter.

STANDARD EQUIPMENT

Dual drum vibration, 2 frequencies/amplitudes, vibrator control, front/rear/both drums, open operator's platform, pressurized sprinkler system with intermittent facility, Vulcolan scrapers.

