

HYPAC

C754B

Vibratory Double Drum Compactor



- *Deutz F3L 2011, 3 cylinder engine*
- *2 vibration modes - automatic/manual*
- *Dual vibration frequencies and centrifugal forces*
- *Auto water spray stop in neutral*

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C754B - Raising the Standards to Put



Field proven and reliable Deutz Diesel Engine with two (2) operating throttle positions, economy and performance.



Leg design drum mounting provides high curb clearance, minimal lateral overhang and excellent drum edge visibility. Dual scrapers per drum are standard.



Bolt-on, maintenance free center joint provides high strength and long life. Excellent jobsite maneuverability is obtained through the articulation / oscillation provision.

Applications...



HYPAC C754B in action, on a residential overlay application.

The C754B tandem vibratory roller offers the versatility of smaller physical size with larger roller features both in performance and operating comfort. This HYPAC tandem roller positions itself in a class for performing medium to large paving requirements, with dual throttle and centrifugal force settings, lateral sliding seat for increased operator visibility and comfort, interval water spray with auto-water off in neutral and auto / manual vibration control. With large 32 inch diameter by 54 inch wide drums and 9235 pounds operating weight, this versatile roller can double for a static roller for finish rolling and patchwork. With 3600 VPM's available frequency and a maximum 11,925 pounds output centrifugal force, this roller meets and exceeds most of its competitors.

- ➔ Highway construction and maintenance
- ➔ Parking lots
- ➔ Driveways
- ➔ Asphalt repairs and resurfacing
- ➔ Walkways, bicycle and cart paths

Achieve Maximum Productivity...

- Two (2) throttle settings: Position 1 for economy and noise reduction, with Position 2 for maximum performance and production requirements.
- Two (2) vibrating frequencies and output centrifugal force values for increased application versatility.
- Auto / manual vibration control capability.
- Large diameter roller drums minimize pushing and cracking of asphalt surfaces, helping to ensure a high quality finish.
- Auto-water spray off in neutral feature for preserving water usage and prolong time between refills.
- High curb clearance and minimum lateral overhang provide for working close to obstructions.
- Lateral sliding operators station for improved drum edge visibility and increased operator's comfort.

You in Control of Productivity



Laterally sliding seating position with controls. All critical controls are strategically positioned for ease of operation and safety.



Non-corrosive, quick-disconnect, water spray nozzles are protected by a "flip-up", wind deflecting, spray shield.

Maintenance and Safety

- Standard ROPS with seat belts provides additional operator safety.
- Leg support design offers improved visibility of drum edges and high curb clearance, allowing closer compaction around obstacles while avoiding costly side clearance problems.
- Large, integral tie-down/lifting points makes transporting easier with less risk of physical roller damage.
- Directional travel lever, with integral vibration control switch, is strategically positioned for a more comfortable operating position.
- Vibration isolated operator's platform provides for fatigue-free operation for longer shifts and increased productivity.
- Lateral sliding seat and operator's controls provide for enhanced operator comfort, increased visibility and jobsite safety.
- Hydraulic system oil cooler with thermostatically controlled electric cooling fan provides reduced operating noise levels, creating a quieter operating environment for both the operator and jobsite workers.
- Hydraulic filter system provides extended oil and filter change intervals of 2000 working hours or 2 years.
- Hydrostatic drive axial piston travel pump provides a smooth, yet responsive, travel control.
- Bolt-on oscillating, articulation center joint, provides long life and simplified servicing.
- Vibratory drum bearing system as well as SAHR (Spring-Applied, Hydraulically-Released) brakes, are maintenance free.
- Wide opening engine hood provides excellent access to engine and hydraulic components for servicing ease.

Standard Equipment

- ▣ Hydrostatic travel and vibration drives
- ▣ Bolt-on oscillating/articulation joint
- ▣ Hydrostatic articulated steering
- ▣ Spring-Applied, Hydraulically-Released (SAHR) parking brakes on each drum
- ▣ Lateral sliding seat and controls assembly
- ▣ Vibration control in travel lever
- ▣ Adjustable operator's seat
- ▣ Plastic water tank
- ▣ 2 scrapers per drum
- ▣ Pressure water spray system with interval timer
- ▣ Control and warning indicator lights for:
 - Hydraulic oil temperature
 - Engine oil pressure and temperature
 - Battery
 - Brakes
- ▣ Hour meter
- ▣ Lockable engine cover
- ▣ Vandal protected instrument panel
- ▣ Transport lifting points front/rear
- ▣ Emergency stop button
- ▣ Rear drum vibration lock out
- ▣ Corrosion and weather protected ignition switch
- ▣ ROPS with seat belt
- ▣ 2 vibration modes automatic /manual
- ▣ Auto water spray stop in neutral
- ▣ Back-up alarm

Optional Equipment

- Flashers
- Working lights (front & rear)
- Edge cutter
- Tool kit
- Special paint

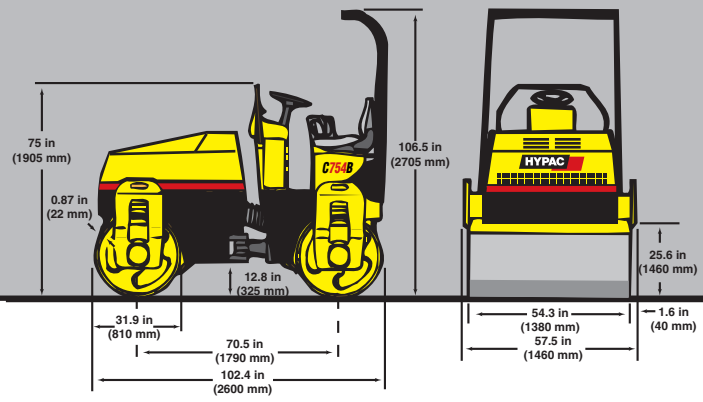
EARTHWORKS						
# passes	rolling speed	area coverage	Productivity in cu. yds. / hr. by lift thickness, 100% efficiency			
	(mph)		sq. yd. / hr.	4 in.	6 in.	8 in.
2	3.7	4911	546	820	1093	1639
3	3.7	3274	364	546	729	1093
4	3.7	2456	273	410	546	820
5	3.7	1964	219	328	437	656

ASPHALTIC CONCRETE (material weight 140 lb. /c. ft.)						
# passes	rolling speed	area coverage	Productivity in cu yds / hr by lift thickness, 100% efficiency			
	(mph)		sq. yd. / hr.	1.5 in.	2 in.	2.5 in.
2	3.7	4911	387	516	646	775
3	3.7	3274	258	344	430	516
4	3.7	2456	194	258	323	387
5	3.7	1964	155	207	258	310
6	3.7	1637	129	172	215	258

* Compaction output influenced by soil/material type and moisture content.

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Technical Data...

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Weights

Basic Weight with ROPS	lbs (kg)	8765 (3976)
Operating Weight	lbs (kg)	9235 (4189)
Average Axle load f/r	lbs (kg)	4555/4680 (2066/2123)
Average static linear load CECE f/r	pli (kg/cm)	83.9/86.2 (15.0/15.4)

Dimensions

Working width	in (mm)	54.3 (1380)
Track Radius, inner	in (mm)	142.13 (3610)
Dimensions		see sketch

Driving Characteristics (depending on site conditions)

Speed (1)	mph (kmph)	0-3.7 (0-6.0)
Speed (2)	mph (kmph)	0-6.2 (0-10.0)
Max. gradeability without/with vibration	%	40/30

Drive

Engine manufacturer	Deutz	
Type	F3L 2011	
Cooling - cylinder heads	Air	
Cooling - cylinder liners	Oil	
Number of cylinders	3	
Performance ISO 9249 (max)	hp (kW)	46.2 (34)
Speed (max)	rpm	2800
Performance SAE J1349 (max)	hp (kW)	45.6 (34)
Speed (max)	rpm	2800
Throttle position 1	rpm	2250
Throttle position 2	rpm	2850
Electrical Equipment	V	
Drive System	hydrostatic	
Drum Driven	f+r	

Brakes

Service brake	hydrostatic
Parking brake	SAHR

Steering

Steering system	oscil., artic.
Steering method	hydraulic
Steering angle +/-	degrees
Oscillating angle +/-	degrees

Vibratory system

Vibrating system	f+r, f	
Drive system	hydrostatic	
Frequency (low/high)	vpm (Hz)	3240/3600 (54/60)
Amplitude	in (mm)	0.016 (0.4)
Centrifugal force (low/high)	lbs (kN)	9675/11925 (43/53)

Water Spray System

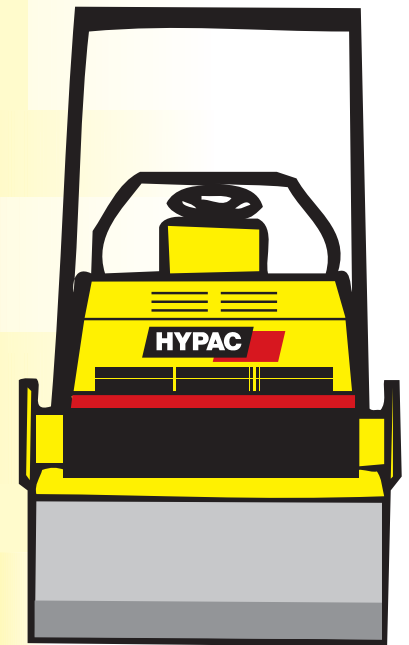
Type of system	Pressurized
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Capacities

Fuel	gal (l)	14.5 (55)
Water	gal (l)	60.8 (230)
Hyd. Oil Reservoir	gal (l)	8.5 (32.2)

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BOMAG Americas, Inc.
2000 Kentville Rd. • Kewanee, IL 61443
Tel: 309 853-3571 • Fax: 309 852-0350