

HYPAC

FAYAT GROUP

C840D Series

**12-14 Ton Single Drum
Vibratory Compactors**

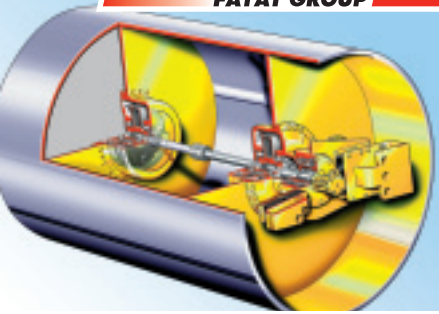


- ▶▶▶ *Hydrostatic Travel and Vibration Drives*
- ▶▶▶ *Rear Axle with No-Spin Differential*
- ▶▶▶ *No Grease Daily Points*
- ▶▶▶ *Vibration Isolated Operator's Platform*

HYPAC

FAYAT GROUP

The C840D Series - Powerful Perform



Standard dual amplitude and dual frequencies enhance machine versatility



Excellent all around visibility for maximum safety.



Individually changeable rubber buffers with no special tools or disassembly of the drum required

Applications...



HYPAC introduces the C840D single drum vibratory roller series, providing a cost effective, superior quality alternative for today's contractor requiring a high performing 84" roller. Designed for optimized operator comfort, the C840D and C842D offer increased operator platform space, centrally located machine controls and indicators, and low operating dBa levels, even with vibratory function. No daily grease points, a reverse positioned engine and a fully opening engine hood makes these models service-friendly to minimize maintenance downtime. The fuel efficient, powerful Deutz Tier III engine, heavy duty travel axle with no-spin differential and standard dual-amplitude and frequencies, provide superior compaction performance on a wide range of granular, cohesive and mixed soils applications.

- ⇒ Highway Construction and Maintenance
- ⇒ Driveways
- ⇒ Parking Lots
- ⇒ Landfill



BTM shows the soil load bearing results in real time.



Padfoot Shell Kit for smooth drum equipped rollers.



Smooth Shell Kit for padfoot drum equipped rollers.

Achieve Maximum Productivity...

- Increased productivity results in higher profits and improved machinery investment returns.
- High frame to drum weight ratio provides superior compaction performance.
- Standard dual amplitudes and frequencies provide consistent compaction performance on a wide range of soil types.
- Drum vibration isolators can be individually serviced without removal of the drum or major components.
- Heavy-duty rear travel axle with no-spin differential, delivers unmatched gradeability and tractive effort.
- Generous steering angle provides high maneuverability.
- Thick drum shells with chamfered edges provide long life, improved compaction results and superior surface quality.
- Padfoot model, C842D, with 150 individual contact pads, offers exceptional performance on cohesive type soil applications.
- Wide clearance between frame and drum in conjunction with standard dual scrapers prevents material build-up.
- Low emissions, Tier III diesel engine and high output drum drive provide excellent traction performance.

ers in the 84 Inch Compactor Class



Large steel engine hood provides easy access to all service and maintenance points



Maintenance-free, rugged, oscillating-articulation joint bolted on the outside of the front and rear frames

Operation & Maintenance

- Vibration Isolated Operators platform
- Extremely low noise levels at operators ears even with vibration
- Multi-position, adjustable seat
- Optional Swivel comfort Seat
- Reduced Stop to stop steering input
- Operator controls are strategically and ergonomically placed
- Easy single lever control for both travel direction, speed and vibration
- Excellent all around visibility for maximum safety
- Superb compaction performance allows achievable density with thicker lifts or less passes yielding better ROI
- High PLI, Centrifugal Forces, and Amplitudes

The purchase price is important, but so are the operating costs. CHECK THESE FEATURES:

- Maintenance Free Bolt On articulation joint, steering cylinder pins, and travel bearings eliminates daily grease points
- Quick access to all service and maintenance points in the engine compartment.
- Central drain points for engine and hydraulic oils, and for engine coolant
- Drum vibration buffers can be replaced individually without the use of special tools

- Spring-Applied Hydraulically-Released (SAHR) brakes are maintenance free
- Recessed frame bolts reduce bolt head shearing and repair costs
- Engine Cooling Air Flow reduces radiator maintenance and dust creation from the jobsite
- Large filters for fuel, air, and oil provide protection to key components
- Corrosion Free plastic Fuel Tank
- BOMAG Hydraulic filter system extends hydraulic oil and filter change intervals to 2000 working hours or 2 years

INNOVATIVE OPTIONS

Compaction Measuring and/or Control Systems display show real time soil load bearing results avoiding over-compaction and reducing the number of rolling passes.

- Evib Meter (BEM) – Analog gauge display of Evib values.
- BTM Prof (BTM Prof) – Measuring system controls and documents the compaction process. Operator can view results on LCD Display and Document results via onboard printer

Padfoot and Smooth Shell Kits allow the roller to be quickly adapted to changing jobsite applications

Standard Equipment

- ▶▶▶ Hydrostatic travel and vibration drives
- ▶▶▶ Dual vibrating frequencies and amplitudes
- ▶▶▶ Hydrostatic articulated steering
- ▶▶▶ No spin differential with Spring Applied Hyd. Rel. (SAHR) brakes
- ▶▶▶ Bolt on oscillating, articulation joint
- ▶▶▶ Articulation lock
- ▶▶▶ Adjustable operators seat
- ▶▶▶ Single lever control for travel and vibration
- ▶▶▶ Drum scrapers
- ▶▶▶ Emergency stop
- ▶▶▶ Back-up alarm
- ▶▶▶ ROPS/FOPS sun canopy with seat belt
- ▶▶▶ Hour meter
- ▶▶▶ Audible and/or visual warning indicators:
 - Engine oil pressure
 - Electrical charge control
 - Brake control
- ▶▶▶ Visual fluid indicators
 - Fuel tank level
 - Hydraulic oil level
 - Engine coolant level

Optional Equipment

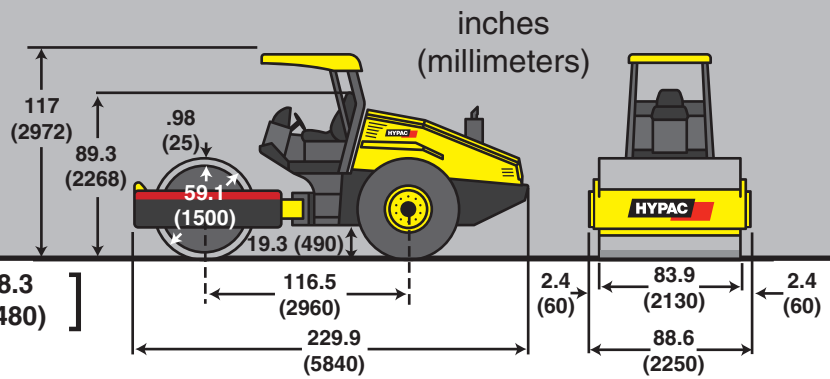
- ▶ Working lights front / rear
- ▶ ROPS cab with heating
- ▶ Air conditioning
- ▶ Padfoot drum segment kit (C840D)
- ▶ Smooth drum segment kit (C842D)
- ▶ Swivel comfort seat
- ▶ Evib Meter (BEM)
- ▶ Terrameter (BTM Prof)
- ▶ Front frame ballast (+ 1540 lbs)
- ▶ Diamond tread rear tire ballast (+ 1760 lbs)
- ▶ Gauges: Speedometer, Voltmeter, Frequency, Tachometer
- ▶ CD Radio (with cab option)
- ▶ Rotary beacon (permanent or portable)
- ▶ Special paint

MODEL	Compaction Output (cu. yd/h) at recommended soil layer/lift thickness. *			
	Rock Fill	Gravel, Sand	Mixed Soils	Silt, Clay
C840D	523 - 1046	353 - 706	288 - 575	144 -288
C842D	523 - 1046	353 - 706	288 - 575	209 - 301

MODEL	Compaction Layer Thickness (in).*			
	Rock Fill	Gravel, Sand	Mixed Soils	Silt, Clay
C840D	27.6	19.7	15.7	7.9
C842D	27.6	19.7	15.7	9.8

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

C840D Series



Technical Data

	HYPAC C840D - Smooth Drum		HYPAC C842D - Padfoot Drum	
Weights				
Operating Weight with ROPS/FOPS	lbs (kg)	22930 (10400)	25785 (11695)	
Axle load, drum	lbs (kg)	13360 (6060)	16215 (7355)	
Axle load, wheels	lbs (kg)	9570 (4340)	9570 (4340)	
Static linear load (drum)	pli (kg/cm)	159.3 (28.5)	-	
Dimensions				
Working width	in (mm)	83.9 (2130)	83.9 (2130)	
Track Radius, inner	in (mm)	142.3 (3615)	142.3 (3615)	
Driving Characteristics (depending on site conditions)				
Speed (1)	mph (kmph)	0-3.1 (0-5)	0-3.1 (0-5)	
Speed (2)	mph (kmph)	0-3.7 (0-6)	0-3.7 (0-6)	
Speed (3)	mph (kmph)	0-5.6 (0-9)	0-5.6 (0-9)	
Speed (4)	mph (kmph)	0-8.4 (0-13.5)	0-8.4 (0-13.5)	
Max. gradeability without/with vibration	%	47/47	49/49	
Drive				
Engine manufacturer		Deutz	Deutz	
Type		TCD2013L042V	TCD2013L042V	
Cooling		Water	Water	
Number of cylinders		4	4	
Performance ISO 9249	hp (kW)	124 (92)	124 (92)	
Speed	rpm	2200	2200	
Performance SAE J 1995	hp (kW)	133 (99)	133 (99)	
Speed	rpm	2200	2200	
Fuel		diesel	diesel	
Electric Equipment	V	12	12	
Drive System		hydrostatic	hydrostatic	
Drum Driven		standard	standard	
Drums and Tires				
Drum width		83.9 (2130)	83.9 (2130)	
Tire tread		Diamond (R-3)	Tractor (R-1)	
Drum diameter	in (mm)	59 (1500)	59 (1500)	
Tire size		23.1-26/12PR	23.1-26/12PR	
Brakes				
Service brake		hydrostatic	hydrostatic	
Parking brake		SAHR	SAHR	
Steering				
Steering system		oscil., artic.	oscil., artic.	
Steering method		hydrostatic	hydrostatic	
Steering angle +/-	degrees	35	35	
Oscillating angle +/-	degrees	12	12	
Vibratory system				
Drive system		hydrostatic	hydrostatic	
Frequency	vpm(Hz)	1800/2160 (30/36)	1800/2160 (30/36)	
Amplitude	in (mm)	0.071/0.035 (1.8/0.9)	0.065/0.032 (1.64/0.82)	
Centrifugal force	lbs (kN)	53100/38250 (236/170)	61875/44550 (275/198)	
Capacities				
Fuel	gal (l)	66 (250)	66 (250)	