

CS74B VIBRATORY COMPACTOR  
MINNEAPOLIS, MN, USA (SAP)

Ship Weight  
lbs

LIST PRICE  
AT DEALER

Standard Equipment:

### POWERTRAIN

CAT C4.4 inline four cylinder, turbo-charged diesel engine  
(129 kW / 173 HP) with glow-plug heater  
Dual element air cleaner  
Fuel filter/water separator/electronic priming pump and water indicator  
Three-speed throttle switch including ECOMODE  
Dual propel pumps - 1 for drum and 1 for tires  
Dual braking systems (service & parking, drum only)  
Two-speed hydrostatic transmission  
Limited slip differential

### ELECTRICAL

24-volt starting and charging system alternator  
(2) Maintenance free batteries - 750 CCA  
Halogen working lights - canopy mounted (2 front-facing and 2 rear-facing)  
Backup alarm and forward warning horn  
Product link ready  
Beacon ready

### OPERATOR ENVIRONMENT

Cab, ROPS/FOPS  
Four heavy-duty isolation mounts  
Platform handrails/guardrails  
Power steering  
Adjustable tilt-steering column  
Adjustable, rotating suspension seat  
Retractable seat belt  
Rear view camera with display  
Adjustable, padded arm rest for propel lever operation  
On-board display with audible warning alarm and interface for:  
-hydraulic oil temperature gauge,  
-engine oil pressure gauge,  
-engine coolant temperature gauge  
-alternator charge,  
-fuel level gauge,  
-service hour meter,  
-engine RPM  
-ground speed, vibe speed  
-fuel rate gauge  
-engine load gauge  
-basic compaction measurement  
Lockable, vandalism guard for on-board display  
12-volt power point

### COOLING

Premixed 50% concentration of extended life coolant with freeze protection to -37C (-35F)

### DRUMS

Smooth drum  
2134 mm (84") wide x 1534 mm (60.4") diameter  
Dual amplitude with single frequency  
Dual, pod-style eccentric weight housings  
Front adjustable steel scraper

### OTHER STANDARD EQUIPMENT

Locking composite engine enclosure  
Sealed-for-life hitch bearings  
Sight gauges:  
-coolant level  
-hydraulic oil level  
Hydraulic tank locking cap  
Articulated frame with safety lock  
Transport tie-down and lift points  
Fuel tank with lockable cap  
Quick connect hydraulic pressure test ports  
SOS ports:  
-engine  
-hydraulic  
-coolant  
Universal bumper

# CS74B-MN

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**Lane 2 is reserved for the Base Order Management Program.  
Please use Lane 2 when placing orders that are part of the  
Base Order Management Program.**

<b>433-1618</b>	<b>CS74B VIBRATORY COMPACTOR</b> .....	30,135	<b>\$245,720</b>
	LANE 2 - AVAILABLE FROM MINNEAPOLIS FACTORY		
	LANE 3 - AVAILABLE FROM MINNEAPOLIS FACTORY		

<b>0P-2579</b>	<b>CS74B MISC MATL</b> .....	0	<b>NC</b>
	AVAILABLE FROM MINNEAPOLIS FACTORY		
	Only reference numbers that have the text "ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a MISC order.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER
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**LANE SELECTION**

OP-9002	LANE 2 ORDER . . . . .	0	NC
	Only for dealers enrolled in the Base Orders Management (BOM) program.		
OP-9003	LANE 3 ORDER . . . . .	0	NC

**POWERTRAIN**

**ENGINE**

L	420-9170	ENGINE, TIER 4F/STAGE 4 . . . . .	0	NC
		U.S. EPA Tier 4 Final/EU Stage IV equivalent engine.		

**FUEL TANK**

L	420-9144	TANK, STANDARD . . . . .	50	NC
		Standard fuel tank with 3" (76 mm) lockable fill cap.		
L	420-9154	TANK, FAST FILL . . . . .	70	\$6,310
		Compatible with the 4C-6716 fuel fill nozzle system capable of flow rates up to 350 l/min (92 gal/min).		

**ENCLOSURES**

L	479-9014	SCREEN, STANDARD . . . . .	7	NC
		Fixed (not openable) screen at rear, right side of the engine compartment.		
L	479-9015	FUEL SYSTEM, DOOR . . . . .	23	\$365
		Hinged and CAT key lockable door to access fuel fill without opening enclosure.		

**OPERATOR ENVIRONMENT**

**OPERATOR STATIONS**

L	435-8038	CAB, ROPS/FOPS WITH HEATER . . . . .	1,620	\$17,080
		FOR USE WITH LANE 3 ONLY Two front-facing and two rear-facing working lights, external rear-view mirrors, heater & defroster, and wet-arm wipers/washers (front and rear). Cab is Radio Ready, including hardware, wiring, voltage converter and 12-volt power point. Wiring only - Radio and Speakers not included.		
L	435-8037	CAB, ROPS/FOPS WITH A/C . . . . .	1,700	\$22,810
		Two front-facing and two rear-facing working lights, external rear-view mirrors, air conditioner, heater & defroster, and wet-arm wipers/washers (front and rear). Cab is Radio Ready, including hardware, wiring, voltage converter and 12-volt power point. Wiring only - Radio and Speakers not included.		

**SEATS**

L	356-1227	SEAT, CLOTH . . . . .	150	\$314
		Standard rotating cloth covered suspension seat		
L	356-1229	SEAT, CLOTH, DELUXE . . . . .	158	\$545
		Deluxe rotating cloth seat with head rest, air suspension and additional adjustments.		

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**OPERATOR ENVIRONMENT (CONT.)**

**SEAT BELTS**

L	382-9003	SEAT BELT, 2" .....	2	NC
L	387-1801	SEAT BELT, 3" .....	2	\$146

**OPERATOR LANGUAGES**

L	477-9990	LANGUAGES, OPTION 1 .....	0	NC
Includes standard languages (English, Spanish, French, German Italian, Polish, Portuguese, Turkish, and Korean) for machine operation and control.				

**TECHNOLOGY PRODUCTS**

**PRODUCT LINK**

Product Link enables the remote transmission of information about the location, operation, and condition of your equipment. Efficiently and effectively monitor the performance of your assets to help keep your jobs on schedule, maintain equipment condition, and reduce the costs of owning and operating your fleet. Availability varies by country - please reference <https://Dealer.cat.com/PL/Certification> for certified countries. Please contact your Caterpillar marketing representative with questions.

L	454-5453	PRODUCT LINK, SATELLITE PL631 .....	9	\$446
Product Link Pro series PL631 uses a satellite network to transmit location, utilization and health information for viewing in Product Link user applications. For use in areas with poor or no cellular coverage.				
L	454-5454	PRODUCT LINK, CELLULAR PL641 .....	9	NC
Product Link Basic series PL641 uses cellular networks to transmit location, utilization and health information for viewing in Product Link user applications. Cellular technology provides capabilities for frequent transmission and larger volumes of data.				

**PRODUCT LINK INSTALLATION**

L	454-0249	INSTALLATION, CAB .....	8	NC
Factory installation of PL on machines with cab.				

**CAT COMPACTION CONTROL - MEASURE**

Base/Entry level compaction measurement systems that detect changes in soil stiffness and provide the operator with real time compaction information on the standard machine display.

L	444-5932	NO COMPACTION SENSOR .....	0	NC
No Sensors.				
L	441-6675	SENSOR, DRIVE POWER .....	5	\$3,920
Proprietary Caterpillar technology that directly measures soil stiffness via material deflection (rolling resistance). Includes Sensor, Angle, High-Accuracy.				

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**TECHNOLOGY PRODUCTS (CONT.)**

**CAT COMPACTION CONTROL - MEASURE (Cont.)**

L	441-6678	<b>SENSOR, ACCELEROMETER.</b> . . . . . 15 Traditional soil stiffness measurement providing CMV values resulting from vibration energy imparted to the soil. Sensor, Accel. will not work with Padfoot Shell Kit operation / Will only work with smooth drum operation.		\$6,440
L	435-8014	<b>SENSOR, DRIVE POWER AND ACCEL</b> . . . . . 20 Traditional soil stiffness measurement providing MDP and CMV values resulting from vibration energy imparted to the soil. Includes Sensor, Angle, High-Accuracy.		\$8,150

**TIRES, RIMS, AND WHEELS**

L	203-4717	<b>TIRES, 23,1-26 TI 8PR</b> . . . . . 935 8-ply flotation (diamond tread) tires and rims with liquid ballast.		\$2,050
L	175-0050	<b>TIRES, FLOTATION, 12PR</b> . . . . . 650 23.1 x 26 12-ply flotation (diamond tread) tires and rims with liquid ballast.		\$3,835
L	229-5403	<b>TIRES, 23,1-26R1 TI 12PR.</b> . . . . . 0 12-ply traction (lug tread) tires and rims with liquid ballast, typically for use with padfoot style drum.		\$4,970

**DRUMS**

**VIBRATORY SYSTEMS**

L	351-8911	<b>FREQUENCY, FIXED.</b> . . . . . 0 Single 31.9 Hz (1914 vpm) frequency with high and low amplitude.		NC
L	351-8912	<b>FREQUENCY, VARIABLE.</b> . . . . . 0 Frequency dial that electronically controls the displacement of the vibratory pump. Frequency range from 23.3-31.9 Hz (1400-1914 vpm).		\$2,465

**SCRAPER SYSTEM**

L	360-0509	<b>SCRAPER, STEEL, FRONT</b> . . . . . 132 Standard smooth drum with one steel scraper at the front of the smooth drum.		NC
L	360-0510	<b>SCRAPER, STEEL, FRONT &amp; REAR.</b> . . . . . 487 Standard smooth drum with flat steel scrapers at the front and rear of the smooth drum.		\$1,945
L	360-0511	<b>SCRAPER, POLYURETHANE.</b> . . . . . 492 Two flexible, contacting scrapers blades iso-mounted at the front and rear of the smooth drum.		\$2,590
L	360-0512	<b>DRUM, SHELL KIT</b> . . . . . 3,235 Factory installed oval padfoot shell halves with padfoot scrapers at the front and rear of the drum.		\$18,020
L	377-2941	<b>SHELL KIT, SQUARE, PADFOOT</b> . . . . . 3,585 Factory installed square padfoot shell halves with padfoot scrapers at front and rear of the drum.		\$18,020

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**DRUMS (CONT.)**

**SCRAPER SYSTEM (Cont.)**

L	472-2060	SCRAPER, SHELL KIT READY . . . . .	970	\$6,820
		Factory installed smooth drum with shell kit smooth and padfoot scrapers. Scrapers at the front and rear for use with smooth drum on machine or with dealer supplied padded shell kit.		

**LEVELING BLADE**

L	443-5224	NO BLADE . . . . .	0	NC
L	438-2275	BLADE, LEVELING . . . . .	1,438	\$14,940
		Factory installed leveling blade and controls.		

**FLUIDS**

**HYDRAULIC OIL**

L	362-4940	OIL, HYDR, FACTORY FILLED . . . . .	0	NC
		Cat standard hydraulic oil.		
L	362-4941	OIL, HYD, BIO, FACTORY FILLED . . . . .	0	\$3,320
		FOR USE WITH LANE 3 ONLY This Hydraulic Environmental Ester Synthetic oil is recommended for hydraulic system when environmental compliance is required or desired. Factory filled.		

**INSTRUCTIONS**

L	437-9886	INSTRUCTIONS, NA CAB . . . . .	0	NC
		ANSI picto warning decals using symbols plus the word "WARNING" as required for North America (except Quebec, Canada).		

USE	REF NO.	LANE 2 / 3 OPTIONAL	Ship Weight lbs	LIST PRICE AT DEALER
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**ELECTRICAL**

P	355-3059	LIGHTING, WARNING . . . . .	5 0	\$433 \$433 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
P	355-3056	LIGHTS, UPGRADED . . . . .	3 0	\$230 \$230 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER 4 additional lights for increased nighttime visibility.		
P	428-9281	MODULE, RECORDING, STD FREQ . . . . .	15 15	\$6,500 \$6,500 NI
		FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Factory or field installed fixed frequency recording module required in France. ONLY FOR USE WITH: 351-8911 FREQUENCY, FIXED		
P	355-3064	MODULE, RECORDING, VARIABLE . . . . .	0 31	\$6,500 \$6,500 NI
		FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Factory or field installed variable frequency recording module required in France. ONLY FOR USE WITH: 351-8912 FREQUENCY, VARIABLE		

**OPERATOR ENVIRONMENT**

P	107-4643	MIRRORS, REARVIEW, INTERNAL . . . . .	10 0	\$214 \$214 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Includes two rear-view mirrors mounted inside the cab.		
P	204-4390	SUN SCREEN . . . . .	2 2	\$337 \$337 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Provides pull-down sunscreen for rear window, reduces heat and glare.		
P	107-4641	SUN VISOR, FRONT . . . . .	2 0	\$79 \$79 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Tip-down tinted sun visor for front window, reduces heat and glare.		

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**TECHNOLOGY PRODUCTS**

**CAT COMPACTION CONTROL - MAP**

This factory designed and integrated mapping system upgrades your CAT COMPACTION CONTROL - MEASURE technology by tying a GPS location to your measurement. Mapping allows for full documentation of the compaction process including compaction measurement, pass count and more. This SBAS accuracy level system requires no off-board infrastructure as long as you have access to regionally available satellite systems. For a higher accuracy solution, order the slope sensor below (for accelerometer sensor system) and consult your Dealer Technology Representative to order the necessary base station, data radio and higher accuracy option key for a RTK solution.

L	<b>375-1607</b>	<b>MAPPING, GNSS</b> .....	45	<b>\$10,430</b>
		CB460 Display (17.8 cm/7.0 in), MS952 antenna/receiver.		
		ONLY FOR USE WITH: 441-6675 SENSOR, DRIVE POWER or		
		441-6678 SENSOR, ACCELEROMETER or		
		435-8014 SENSOR, DRIVE POWER AND ACCEL		
P	<b>441-6683</b>	<b>SENSOR, ANGLE, HIGH-ACCURACY</b> .....	12	<b>\$475</b>
			0	<b>\$475 NI</b>
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		Continental slope sensor		
		ONLY FOR USE WITH: 375-1607 MAPPING, GNSS and		
		441-6678 SENSOR, ACCELEROMETER		

**CAT COMPACTION CONTROL - CONNECT**

CONNECT technology upgrades your mapping system to enable communication of key compaction data via local wireless and/or cellular data networks. This adds 3 important capabilities to your Compaction Control System. First, it allows the data to be sent via the cloud for off-site access without the need to physically offboard the data via USB. Second, it allows multiple machines working in the same location to wirelessly transfer and share live compaction data - otherwise known as Machine to Machine communication. Lastly, it gives the ability to obtain correction signals for higher accuracy mapping (RTK) from Virtual Reference Stations if available in your area. Contact your local SITECH dealer and wireless data carrier for additional support and cellular data packages.

L	<b>569-8583</b>	<b>MACHINE CONNECTIVITY, SNM941</b> .....	0	<b>\$3,615</b>
		SIM card enabled CDMA or GSM network with built in WIFI.		
		ONLY FOR USE WITH: 375-1607 MAPPING, GNSS		



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**TECHNOLOGY PRODUCTS (CONT.)**

**COMMAND FOR COMPACTION**

Command for Compaction is a semi-autonomous system that drastically improves consistency and pass coverage for more uniform compaction results while offering increased jobsite safety through an integrated object detection system. Command connects to commonly used base stations for simple setup and the intuitive interface allows for easy operation. The operator defines a work area and gives the system three inputs: number of passes, ground speed, and overlap. Once placed in auto mode, Command for Compaction controls the machine speed, direction, steering, and vibration system.

**Please see the COMMANDCI price list for details on how to order COMMAND FOR COMPACTION.**

**OTHER ATTACHMENTS**

**GUARDS**

P	355-2660	GUARD, TRANSMISSION . . . . .	44 0	\$1,130 \$1,035 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Provides protection for the rear axle, hydraulic drive motor and hose fittings.		

**FACTORY SOURCED KITS**

P	526-2112	MULTI-MODEL SHELL KIT, OVAL, FLD . . . . .	0	\$18,020 NI
		FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Kit for dealer installed oval padfoot shell halves with padfoot scrapers at the front and rear of the drum. Can be used on the CS54B, CS56B, CS64B, CS66B, CS68B, CS74B, and CS76B machines.		
P	416-1355	SHELL KIT, SQR, PADFOOT, FLD . . . . .	4,303	\$18,020 NI
		FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Kit for dealer installed square padfoot shell halves with padfoot scrapers at front and rear of the drum.		
P	437-9832	BLADE, LEVELING, FLD . . . . .	1,170	\$14,940 NI
		FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Kit for dealer installed components for leveling blade.		
P	491-6772	SCRAPER, POLYURETHANE FLD . . . . .	492	\$2,590 NI
		FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Non-installed two flexible, contacting scrapers blades with ISO-mounts for the front and rear of the smooth drum.		

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**FACTORY SOURCED KITS (CONT.)**

P	483-5926	<b>PRINTER PORT WIRING KIT, CAB</b> ..... 0 FOR USE WITH LANE 3 ONLY ALSO AVAILABLE ON A MISCELLANEOUS ORDER Includes wiring kit only for printer (dealer installed) using on a machine with a mapping system. To be used with Cab, ROPS/FOPS machine.		<b>\$406 NI</b>
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**DOCUMENTATION**

***CERTIFICATES***

P	0P-1870	<b>CERTIFICATE OF ORIGIN</b> ..... 0		<b>NC</b>
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**PACKING**

	0P-0210	<b>PACK, DOMESTIC TRUCK</b> ..... 0		<b>NC</b>
	0P-3651	<b>PACKING, MISC MATERIAL</b> ..... 0 No charge for packing. Applicable freight charges may apply.		<b>NC</b>