

CS78B 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 with glow-plug heater (129 kW / 173 HP)
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
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

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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.**

433-1621	CS78B VIBRATORY COMPACTOR	36,075	\$272,100
	LANE 2 - AVAILABLE FROM MINNEAPOLIS FACTORY		
	LANE 3 - AVAILABLE FROM MINNEAPOLIS FACTORY		

OP-2581	CS78B MISC MATL	0	NC
	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	\$6,220
		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	\$360
		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	\$16,830
		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	\$22,470
		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	\$309
		Standard rotating cloth covered suspension seat.		
L	356-1229	SEAT, CLOTH, DELUXE	158	\$535
		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	\$144

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	\$439
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 Pro series PL641 offers expanded coverage including 3G UMTS and CDMA2000 as well as 2G GSM and CDMA 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

Compaction Monitoring sensors to detect changes in soil stiffness which is an excellent indicator of load bearing strength and provides the operator with real time compaction information on the machine display.

L	444-5932	NO COMPACTION SENSOR	0	NC
No Sensors.				
L	441-6675	SENSOR, DRIVE POWER	5	\$3,860
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 (Cont.)**

L	441-6678	SENSOR, ACCELEROMETER. 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.		\$6,340
L	435-8014	SENSOR, DRIVE POWER AND ACCEL 20 Traditional soil stiffness measurement providing MDP and CMV values resulting from vibration energy imparted to the soil. Includes Sensor, Angle, High-Accuracy.		\$8,030

TIRES, RIMS, AND WHEELS

L	216-0261	TIRES, FLOTATION, 12PR 935 23.1 x 26 12 ply flotation (diamond tread) tires and rims with liquid ballast.		\$3,190
L	216-0591	TIRE, TRACTION 935 23.1 x 26 12 ply traction (lug tread) tires and rims with liquid ballast.		\$8,300

DRUMS**VIBRATORY SYSTEMS**

L	351-8911	FREQUENCY, FIXED 0 Single 31.9 Hz (1914 vpm) frequency with high and low amplitude.		NC
L	362-4301	FREQUENCY, VARIABLE 0 Frequency dial that electronically controls the displacement of the vibratory pump. Frequency range from 23.3-31.9 Hz (1400-1914 vpm).		\$2,855

SCRAPER SYSTEM

L	360-0513	SCRAPER, STEEL, FRONT 321 Standard smooth drum with one steel scraper at the front of the smooth drum.		NC
L	360-0514	SCRAPER, STEEL, FRONT & REAR 487 Standard smooth drum with flat steel scrapers at the front and rear of the smooth drum.		\$1,915
L	360-0515	SCRAPER, POLYURETHANE 492 Two flexible, contacting scrapers blades iso-mounted at the front and rear of the smooth drum.		\$2,550
L	360-0516	DRUM, SHELL KIT 3,235 Factory installed oval padfoot shell halves with padfoot scrapers located at front and rear of the drum.		\$15,280
L	377-2942	SHELL KIT, SQUARE, PADFOOT 3,585 Factory installed square padfoot shell halves with padfoot scrapers located at front and rear of the drum.		\$15,280
L	472-2062	SCRAPER, SHELL KIT READY 970 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.		\$6,720

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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		\$3,270
		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
ELECTRICAL				
P	355-3059	LIGHTING, WARNING	5 0	\$427 \$427 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
P	355-3056	LIGHTS, UPGRADED	3 0	\$227 \$227 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		4 additional lights for increased nighttime visibility.		
P	373-4814	MODULE, RECORDING, STD FREQ	12 0	\$6,400 \$6,400 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	\$6,400 \$6,400 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: 362-4301 FREQUENCY, VARIABLE		

OPERATOR ENVIRONMENT

P	107-4643	MIRRORS, REARVIEW, INTERNAL	10 0	\$211 \$211 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		Includes two rear-view mirrors mounted inside of cab.		
P	204-4390	SUN SCREEN	2 2	\$332 \$332 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	\$78 \$78 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER		
		Tip-down tinted sun visor for front window, reduces heat and glare.		

TECHNOLOGY PRODUCTS**CAT COMPACTION CONTROL**

This is a factory designed and integrated SBAS accuracy level pass count and mapping system which requires no off-board infrastructure. 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	375-1607	MAPPING, GNSS	45	\$10,280
		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		

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TECHNOLOGY PRODUCTS (CONT.)**CAT COMPACTION CONTROL (Cont.)**

P	441-6683	SENSOR, ANGLE, HIGH-ACCURACY	12 0	\$468 \$468 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Continental slope sensor ONLY FOR USE WITH: 375-1607 MAPPING, GNSS and 441-6678 SENSOR, ACCELEROMETER		

MACHINE TO MACHINE COMMUNICATION

Machine to machine communication is integrated hardware consisting of an electronic control module, radio and antennas with connecting wiring that enables machines to communicate key compaction data via local wireless and/or cellular data networks.

Contact your local SITECH dealer and wireless data carrier for additional support and cellular data packages.

L	569-8583	MACHINE CONNECTIVITY, SNM941	0	\$3,560
		SIM card enabled CDMA or GSM network with built in WIFI. ONLY FOR USE WITH: 375-1607 MAPPING, GNSS		

OTHER ATTACHMENTS**GUARDS**

P	355-2660	GUARD, TRANSMISSION	44 0	\$1,115 \$1,020 NI
		ALSO AVAILABLE ON A MISCELLANEOUS ORDER Provides protection for the rear axle, hydraulic drive motor and hose fittings.		

FACTORY SOURCED KITS

P	391-3120	KIT, PADFOOT SHELL, OVAL, FLD	4,132	\$23,270 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 front and rear of the drum.		
P	416-1356	SHELL KIT, SQR, PADFOOT, FLD	4,303	\$23,270 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	491-6774	SCRAPER, POLYURETHANE FLD	492	\$2,550 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	PRINTER PORT WIRING KIT, CAB 0		\$400 NI
		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.		

DOCUMENTATION***CERTIFICATES***

P	0P-1870	CERTIFICATE OF ORIGIN 0		NC
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PACKING

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