FSA20-EQU18.0, ITEM# 343

ROLLER: Small 5,400 LB Double Drum Roller - 47" CB24B 47.2" DRUMS SHERIFF'S CONTRACT WORKSHEET

- 364-2303 CB24B UTILITY COMPACTOR
- 364-2272 ENGINE T4F
- 364-2313 PROPEL, STANDARD
- 364-2282 HYDRAULIC OIL, STANDARD
- 432-6053 LIGHTING PACKAGE, STANDARD
- 364-2277 SEAT, WITH SAFETY SWITCH
- 376-7692 BELT, SEAT, 2" SUSPENSION
- 364-2278 SUPPORT, FIXED FOR SEAT
- 364-2286 NO ROPS
- 432-8451TRAVEL CONTROL, COVER GP .454-5454PRODUCT LINK, CELLULAR PL641
- 463-3786 PRODUCT LINK INSTALLATION
- 364-2281 INSTRUCTIONS, NORTH AMERICAN
- 421-8926 SERIALIZED TECHNICAL MEDIA KIT

CB24B VIBRATORY ASPHALT COMPACTOR MINERBIO, ITALY

Standard Equipment:

POWERTRAIN

Hydrostatic transmission Service and parking brakes

ELECTRICAL

Engine start switch with auto preheat Backup alarm and warning horn 65-ampere alternator 12-volt electric starting Maintenance free 70 AH battery, 880 amp Light roading and working

OPERATOR ENVIRONMENT

Gauges: -LCD display with fuel level -hour meter -engine coolant temperature Operator warning system indicators: -parking brake engaged -hydraulic oil temperature high -engine coolant temperature high -electrical system voltage low -engine oil pressure low -vibration activated -engine preheat Lockable, vandalism guard for instrument panel Travel control, single lever Seat with: -fore and aft adjustment Draining capability Retractable seat belt 50.8mm (2inch) Central and side handrail for easy and safe access to the machine Steering wheel spinner 12-volt power points

DRUMS

Two smooth drums : 1200 mm (47.2 inch) wide x 720 mm (28.3 inch) diameter Selection of front drum, rear drum or both drum vibration Pressurized drum watering system with continuous or intermittent modes Water tank with low level sensor 2 x retractable, spring-loaded, selfadjusting scrapers per drum

OTHER STANDARD EQUIPMENT

Locking engine enclosure Sight gauge for hydraulic tank level Air restriction indicator Fuel tank 4 transport tie-down and 4 lift points 6 quick connect hydraulic pressure test ports + 1 SOS port Caterpillar o-ring face-seals couplings Product Link ready Offset hitch with 50 mm (2 inches) of manual adjustment

CB24B-MB

Ship Weight Ibs LIST PRICE AT DEALER



CAT[®] UTILITY COMPACTORS

CB14B, CB22B, CB24B, CB24B XT, CB32B, CB34B, CB36B, CC24B, CC34B

BUILT FOR IT.



THE BEST OF ALL WORLDS

IMPROVED PERFORMANCE, FUEL EFFICIENC



CAT



Cat Utility Compactors are built for versatility and mobility. Multiple vibration frequencies and ballast options provide versatility on the jobsite.





Combi

The new line of Cat Utility Compactors delivers maneuverability and visibility for enhanced production and simple operation. The latest models also provide enhanced performance on grades, in part due to increased engine power. Improved fuel efficiency gives you the best of all worlds.

EFFICIENT COMPACTION PERFORMANCE

- Excellent drum-edge visibility due to longitudinal engine mount and narrow-frame design improves control for better coverage and compaction results
- Increased drum diameter to 720 mm (28") on many models
- Versatility through either two or three vibration frequencies, depending on model
- Ballast options increase flexibility and compaction performance
- Drum offset capability
- CC24B/CC34B are equipped with pneumatic tires that provides a tight mat finish

BEST-IN-CLASS WATER SPRAY SYSTEM

- Variable spray modes optimize water usage
- Tank capacity can last up to 12 hours without refilling
- Triple filtration delivers reliable performance and simplifies service
- Self-adjusting, spring-loaded scrapers keep the drum clean, distribute water, and reduce water consumption
- Antifreeze option provides protection in cold weather
- Single drain port simplifies service requirements

OPTIMIZED POWER

- Powerful Cat engines excel on grades
- Eco-mode and electronic engine control reduce fuel consumption
- Traction control option with pin-on design installs quickly
- Fast travel speeds for good mobility

DESIGNED FOR RENTAL

- Easy operation with intuitive controls
- Extensive legroom to suit a variety of operators
- Fuel-efficient engine with low sound levels
- Product $\mathsf{Link}^{\scriptscriptstyle\mathsf{M}}$ ready for simple remote monitoring
- Durable components maximize uptime, lower operating costs
- Traction control for easy loading capability
- Fast servicing with easily accessible components

SIMPLE OPERATION ROOMY STATION BOOSTS PERFORMANCE

Comfort improves productivity: It's a fact. Operators who are fresh throughout a shift get more done. Cat Utility Compactors provide the comfort your operators need in many ways, both big and small.

COMFORT LEADS TO HIGHER PRODUCTION

- Exceptional forward visibility due to the narrow-frame design and contoured engine hood
- Intuitive, multi-function control panel
- Easy access due to logically placed handles and lower platform height
 - Provides more legroom between seat and console
 Footrests offer relaxed comfort
- Sliding seat, spacious platform provide comfort and control
- Propel lever provides quick reaction, precise control
- Dual propel lever option moves with operator, improves comfort and control on both sides of the machine



12-volt power receptacles support communication devices and other jobsite work tools.

GREAT DISPLAY

- Easy viewing LCD display and vibrant LED lights simplify day and night operation
- Multiple language options available
- Display screen options for: engine speed, fuel level, hour meter, coolant temperature, hydraulic oil temperature, and voltage
- Display indicators for low water level in spray system, Eco-mode, drum selections, lights, water spray settings, traction control, regeneration, parking brake, and warnings
- Diagnostic capability with fault codes





NIGHTTIME OPERATION

- Bright LCD display
- LED console lights
- Roading and working lights
 - Front lights with turn signals
 - Single rear working light with turn signals
 - Warning beacon

FOLDABLE ROPS AND CANOPY

- Powerful lift cylinders enable one crew member to raise and lower without tools
- Fixed ROPS available
- Foldable canopy compatible with fixed or foldable ROPS



Jobsites vary, and so do the demands placed on your compactors. Multiple frequency and ballast choices enable the compactor to perform in a variety of conditions, while features such as extra-wide drums and pneumatic tire options enhance production and precision.

DELIVERING RESULTS

- Drum width varies from 900 mm (35") on CB14B to 1400 mm (55") on CB36B
- Multiple frequency selections deliver excellent compaction results and lower sound levels
- Ballast options increase flexibility and compaction performance
- 50 mm (2") drum offset improves performance when turning

WORKING ON GRADES

- Speed remains constant on grades
- Smooth propel lever control at all speeds
- Hydraulic efficiency for even performance
- Optimized traction control helps grip surface

COMBI ROLLERS

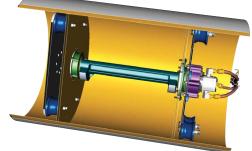
- Function as both a vibratory and pneumatic compactor
- Create high ground pressure that penetrates deep into the lift
- Leave tight, smooth surface finish
 - CC24B: Four, 9.5/65-15 smooth tires
 - CC34B: Four, 10.5/80-16.6 smooth tires
- Pressurized emulsion system with tank prevents material pick-up

VIBRATORY DRUM

- Automatic deactivation when propel lever is in neutral position
- Vibration capability in front, rear or both drums
- Exclusive eccentric weight shaft delivers quick starts and stops
- Bearing service interval of 3 years or 3,000 hours



Offset Hitch



Vibratory Drum



COMPACTION PERFORMANCE PROVIDING PUNCH AND PRODUCTIVITY

CB24B CAT

7

OPTIMIZED POWER

IMPROVED FUEL CONSUMPTION, COOLING CAPACITY



Extended service intervals help keep the compactors working on the jobsite. Easy access to the engine and its service ports ensure an efficient maintenance process.



Cat engines are the power behind Cat Utility Compactors. Optimized engine power provides the push you need on any project grade.

POWERFUL CAT ENGINES

- Two engine offerings meet local emissions requirements
- Increased engine power
- Electronic control module (ECM) for steady operation, efficiency
- Electric fuel-transfer pump
- Fuel tank sized for 12-14 hours runtime
- Engine speed settings enable operators to customize to the specific application and environment
- Eco-mode lowers sound levels
- Eco-mode reduces fuel consumption between 3 and 8 percent, depending on engine and model
- Fast travel speeds
- Engines on some models turbocharged for better performance at higher elevations
- Electric fuel pump with a water separator filter-no manual fuel system priming
- Engine oil ecology drain

HIGH AMBIENT COOLING

- Cooling package ambient capability: 49°C (120°F) @ 80 percent load
- Hydraulically driven fan motor enables variable speeds and reduces sound levels
- Single-plane, remote-mounted cooling package (radiator and hydraulic oil cooler) with significantly improved capacity
- Hydraulic oil cooler bypass circuit

TRACTION CONTROL OPTION

- Pin-on design offers quick installation
- Field retrofitting completed in an hour
- $-\ensuremath{\operatorname{\mathsf{Activation}}}$ switch on the left console



Traction Control Option

WATER SPRAY SYSTEM

KEEPS COMPACTORS WET AND ROLLING

More coverage, and easier access: That summarizes the water spray system on Cat Utility Compactors. The result is less material pickup, and increased uptime for your crew.

SPRING-LOADED SCRAPERS

- Keep drums clean
- Distribute water evenly and reduce consumption
- Robust, retractable hinges help maintain contact with the drum and retract when roading to reduce unnecessary wear
- Located at the front and rear of each drum

PERFORMANCE-ENHANCING FEATURES

- Protected spray bar design to fight winds
- Low-water-level indicator
- Large single water tank capacity for more hours of operation between refills
- Intermittent and continuous mode for increased operator control and improved efficiency; only use the water that's needed
- Triple filtration—in the tank, before the water pump, and in spray nozzles
- Antifreeze option
- Single point to drain and filter water
- Low-mounted tank for added stability and ground-level access

The spring-loaded scrapers articulate around hinges for easy lifting and optimal drum and tire contact.

SPRAY BARS

- Full drum coverage
- Easily adjustable nozzles
- Tucked under the frame for good wind protection
- Machine tie-downs act as side shields



SERVICEABILITY AND SUSTAINABILITY PRODUCE LESS WASTE—AND WASTE LESS TIME

Service time-savers are built into Cat Utility Compactors. Easy access to service points reduce technician time, while extended intervals mean a reduction in the materials, machine downtime and overall costs. The intervals and other sustainability efforts help lessen the compactors' environmental impact.

CONVENIENT SERVICE POINTS

- Easily accessed engine oil, hydraulic fluid and coolant remote drains
- Color-coded and numbered wiring facilitates diagnostics
- Nylon-braided wrap provides protection to electrical and hydraulic components
- All-weather electrical connectors help ensure reliability
- Easy access to water spray system

EXTENDED SERVICE INTERVALS

- 3 years/3,000 hours for vibratory drum maintenance
- 500 hours for engine oil change
- Grease points for every 250 hours

SUSTAINABILITY BENEFITS

- Eco-mode reduces fuel consumption and carbon dioxide emissions
- Water needs lessened with efficient spray system
- Reduced engine emissions
- Highly efficient hydraulic and electrical systems create efficiencies
- Many serviceable parts



DESIGNED FOR RENTAL THE PERFECT MACHINE FOR THE JOB

Sometimes contractors find themselves at work in a unique application, and need to look beyond their existing fleets for a machine that perfectly fits their needs. Other times they want to test equipment before making a purchase decision. Whatever the reason, Cat Utility Compactors are available for rental to help you finish the job and keep your costs in line.

COMFORT AND EFFICIENCY

- Easy operation with intuitive controls
- Extensive legroom to suit a variety of operators
- Durable components maximize uptime and lower operating costs
- Fuel-efficient engine reduces costs
- Low sound levels enhance environment
- ProductLink[™] available for simple remote monitoring

5 GREAT REASONS TO RENT

- 1. Supplement your fleet
- 2. Use the latest technology
- 3. No maintenance costs
- 4. No capital investment
- 5. Try it before you buy it

Ballast options enable you to adjust quickly and deliver the perfect performance to the jobsite.

SPECIFICATIONS

	CB14B (900 mm)	CB14B (1000 mm)	CB22B
Dimensions			
Overall length – mm (in)	1950 (77)	1950 (77)	2575 (101)
Overall width – mm (in)	1000 (39)	1102 (43)	1112 (44)
Drum width – mm (in)	900 (35)	1000 (39)	1000 (39)
Drum offset – mm (in)	NA	NA	50 (2)
Drum shell thickness – mm (in)	14 (0.54)	14 (0.54)	14 (0.55)
Drum diameter — mm (in)	560 (22)	560 (22)	720 (28)
Overall height at ROPS/FOPS with canopy – mm (in)	2545 (100)	2545 (100)	2700 (106)
Transport height – mm (in)	1975 (78)	1975 (78)	1800 (71)
Wheelbase – mm (in)	_	-	1800 (71)
Curb clearance — mm (in)	400 (16)	400 (16)	500 (20)
Ground clearance – mm (in)	220 (9)	220 (9)	285 (11)
Engine			. ,
Model	Kohler KDW1003	Kohler KDW1003	Cat C1.5
Maximum gross power – kW (hp)	16.8 (22.5)	16.8 (22.5)	27 (36.2)*
J	NA	NA	24.4 (32.7)**
Number of cylinders	3	3	3
Rated speed – rpm	2850	2850	2800
Bore – mm (in)	75.3 (3)	75.3 (3)	84 (3.3)
Stroke – mm (in)	77.6 (3.1)	77.6 (3.1)	90 (3.5)
Operating Weights	77.0 (0.1)	77.0 (0.1)	56 (6.6)
Standard machine w/ROPS/FOPS – kg (Ib)	1485 (3274)	1520 (3351)	2553 (5629)
Weight at front drum $-$ kg (lb)	694 (1529)	711 (1565)	1211 (2669)
Weight at rear drum – kg (lb)	792 (1745)	812 (1786)	1342 (2960)
Shipping weight – kg (lb)	1356 (2990)	1391 (3067)	2360 (5203)
	1544 (3404)		2731 (6020)
Maximum machine – kg (lb) Statia linear load – kg (cm /lh /in)	8.2 (46)	1579 (3481)	
Static linear load – kg/cm (lb/in)	0.2 (40)	7.6 (43)	12.8 (72)
Vibratory System	0.40(0.040)	0.40(0.040)	0.505 (0.001)
Amplitude – mm (in)	0.46 (0.018)	0.46 (0.018)	0.525 (0.021)
Frequency – Hz (vpm) - <i>controlled by engine speed</i>	70 (4000)		00 (0700)
- High	70 (4200)	65 (3900)	63 (3780)
- Middle	NA	NA	52 (3120)
- Low	NA	NA	42 (2520)
Centrifugal – High kN (lbf)	15 (3400)	15 (3400)	28.8 (6475)
- Middle – kN (lbf)	NA	NA	19.6 (4406)
- Low — kN (lbf)	NA	NA	12.8 (2878)
Miscellaneous			
Steering (inside drum edge) – mm (in)	2020 (80)	1972 (78)	2670 (105)
(outside drum edge) – mm (in)	2900 (115)	3000 (118)	3470 (137)
Maximum offset – mm (in)	NA	NA	50 (2)
Articulation angle	34°	34°	32°
Oscillation angle	15°	15°	10°
Capacities			
Fuel tank – L (gal)	23 (6)	23 (6)	63.5 (17)
Water tank – L (gal)	100 (26)	100 (26)	235 (62)
Emulsion tank – L (gal)	NA	NA	NA

* Turbo-charged meet U.S. EPA Tier 4 Final emissions ** Meets emissions equivalent to U.S. EPA Tier 4 Interim and E.U. Stage IIIA standards (note: E.U. Stage IIIB emissions standards do not apply to this power ratings class)

SPECIFICATIONS

	CB24B	CB24B XT	CB32B	CB32B w/ Ballast
Dimensions				
Overall length – mm (in)	2575 (101)	2575 (101)	2575 (101)	2575 (101)
Overall width – mm (in)	1312 (52)	1312 (52)	1412 (56)	1412 (56)
Drum width – mm (in)	1200 (47)	1200 (47)	1300 (51)	1300 (51)
Drum offset – mm (in)	50 (2)	50 (2)	50 (2)	50 (2)
Drum shell thickness – mm (in)	14 (0.55)	14 (0.55)	14 (0.55)	14 (0.55)
Drum diameter – mm (in)	720 (28)	720 (28)	720 (28)	720 (28)
Overall height at ROPS/FOPS with canopy - mm (in)	2700 (106)	2700 (106)	2700 (106)	2700 (106)
Transport Height – mm (in)	1800 (71)	1800 (71)	1800 (71)	1800 (71)
Wheelbase – mm (in)	1800 (71)	1800 (71)	1800 (71)	1800 (71)
Curb clearance – mm (in)	500 (20)	500 (20)	500 (20)	500 (20)
Ground clearance – mm (in)	285 (11)	285 (11)	285 (11)	285 (11)
Engine				
Model	Cat C1.5	Cat C1.5	Cat C1.5	Cat C1.5
Maximum gross power – kW (hp)*	27 (36.2)*	27 (36.2)*	27 (36.2)*	27 (36.2)*
	24.4 (32.7)**	24.4 (32.7)**	24.4 (32.7)**	24.4 (32.7)**
Number of cylinders	3	3	3	3
Rated speed – rpm	2800	2800	2800	2800
Bore – mm (in)	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)
Stroke – mm (in)	90 (3.5)	90 (3.5)	90 (3.5)	90 (3.5)
Operating Weights				
Standard machine w/ ROPS/FOPS – kg (Ib)	2723 (6003)	3123 (6885)	2808 (6190)	3208 (7071)
Weight at front drum – kg (lb)	1296 (2857)	1496 (3298)	1338 (2950)	1538 (3391)
Weight at rear drum – kg (lb)	1427 (3147)	1627 (3588)	1470 (3239)	1670 (3681)
Shipping Weight – kg (Ib)	2530 (5578)	2930 (6460)	2615 (5764)	3015 (6646)
Maximum machine – kg (lb)	2901 (6395)	3301 (7276)	2985 (6581)	3385 (7462)
Static linear load – kg/cm (lb/in)	11.3 (63)	13 (73)	10.8 (61)	12.3 (69)
Vibratory System				
Amplitude – mm (in)	0.525 (0.021)	0.525 (0.021)	0.525 (0.021)	0.525 (0.021)
Frequency – Hz (vpm) - <i>controlled by engine speed</i>				
- High	63 (3,780)	63 (3,780)	63 (3,780)	63 (3,780)
- Middle	52 (3,120)	52 (3,120)	52 (3,120)	52 (3,120)
- Low	42 (2,520)	42 (2,520)	42 (2,520)	42 (2,520)
Centrifugal – High kN (lbf)	32.8 (7374)	32.8 (7374)	34.8 (7823)	34.8 (7823)
- Middle – kN (lbf)	22.3 (5013)	22.3 (5013)	23.7 (5328)	23.7 (5328)
- Low – kN (lbf)	14.6 (3282)	14.6 (3282)	15.5 (3485)	15.5 (3485)
Miscellaneous				
Steering (inside drum edge) – mm (in)	2470 (97)	2470 (97)	2370 (93)	2370 (93)
- (outside drum edge) – mm (in)	3670 (144)	3670 (144)	3770 (148)	3770 (148)
Maximum offset – mm (in)	50 (2)	50 (2)	50 (2)	50 (2)
Articulation angle	32°	32°	32°	32°
Oscillation angle	10°	10°	10°	10°
Fuel Tank				
Fuel tank – L (gal)	63.5 (16.8)	63.5 (16.8)	63.5 (16.8)	63.5 (16.8)
				235 (62)
Water tank – L (gal)	235 (62)	235 (62)	235 (62)	Z33 (0Z)

* Turbo-charged meet U.S. EPA Tier 4 Final emissions ** Meets emissions equivalent to U.S. EPA Tier 4 Interim and E.U. Stage IIIA standards (note: E.U. Stage IIIB emissions standards do not apply to this power ratings class)

CB34B	CB34B w/ Ballast	CB36B	CB36B w/ Ballast	CC24B	CC34B
2859 (113)	2859 (113)	2859 (113)	2859 (113)	2575 (101)	2859 (113)
1400 (55)	1400 (55)	1500 (59)	1500 (59)	1312 (52)	1400 (55)
1300 (51)	1300 (51)	1400 (55)	1400 (55)	1200 (47)	1300 (51)
50 (2)	50 (2)	50 (2)	50 (2)	50 (2)	50 (2)
16 (0.63) 800 (32)	16 (0.63) 800 (32)	16 (0.63) 800 (32)	16 (0.63) 800 (32)	14 (0.55)	16 (0.63) 800 (32)
2765 (109)	2765 (109)	2765 (109)	2765 (109)	720 (28) 2700 (106)	
		·			2765 (109)
1930 (76)	1930 (76)	1930 (76)	1930 (76)	1800 (71)	1930 (76)
2050 (81)	2050 (81)	2050 (81)	2050 (81)	1800 (71)	2050 (81)
520 (20)	520 (20)	520 (20)	520 (20)	500 (20)	520 (20)
284 (11)	284 (11)	284 (11)	284 (11)	285 (11)	284 (11)
Cat C.2.2	Cat C.2.2	Cat C.2.2	Cat C.2.2	Cat C1.5	Cat C2.2
36.4 (48.8)*	36.4 (48.8)*	36.4 (48.8)*	36.4 (48.8)*	27 (36.2)*	36.4 (48.8)*
36.6 (49.1)**	36.6 (49.1)**	36.6 (49.1)**	36.6 (49.1)**	24.4 (32.7)**	36.6 (49.1)**
4	4	4	4	3	4
2800	2800	2800	2800	2800	2800
84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)	84 (3.3)
100 (3.9)	100 (3.9)	90 (3.5)	90 (3.5)	90 (3.5)	100 mm 3.9 in
3699 (8155)	4099 (9036)	3803 (8385)	4400 (9700)	2441 (5380)	3378 (7446)
1803 (3974)	2003 (4415)	1855 (4089)	2155 (4751)	1296 (2857)	1803 (3974)
1896 (4180)	2096 (4621)	1948 (4296)	2245 (4949)	1145 (2524)	1575 (3472)
3466 (7641)	3866 (8523)	3570 (7871)	3970 (8753)	2248 (4955)	3145 (6932)
3913 (8626)	4313 (9508)	4017 (8856)	4590 (10,119)	2618 (5772)	3592 (7918)
13.2 (80)	14.6 (88)	13.6 (76)	15.7 (95)	10.2 (57)	12.0 (73)
0.5 (0.020)	0.5 (0.020)	0.5 (0.020)	0.5 (0.020)	0.525 (0.021)	0.5 (0.020)
55 (3,300)	55 (3,300)	55 (3,300)	55 (3,300)	63 (3,780)	55 (3,300)
N/A	N/A	N/A	N/A	52 (3,120)	N/A
48 (2,880)	48 (2,880)	48 (2,880)	48 (2,880)	42 (2,520)	48 (2,880)
31.6 (7104)	31.6 (7104)	33.5 (7531)	33.5 (7531)	32.8 (7378)	31.6 (7104)
N/A	N/A	N/A	N/A	22.3 (5013)	NA
24.1 (5418)	24.1 (5418)	25.5 (5733)	25.5 (5733)	14.6 (3282)	24.1 (5418)
21.1 (0110)	21.1 (0110)	20.0 (0700)	20.0 (0700)	11.0 (02.02)	21.1 (0110)
2932 (115)	2932 (115)	2897 (114)	2897 (114)	2475 (97)	2937 (116)
	4232 (167)	4297 (169)	4297 (169)	3675 (145)	4237 (167)
4/3/(lh/)		50 (2)	50 (2)	50 (2)	50 (2)
4232 (167)	511(7)		00 (2)	00 (2)	00 (2)
50 (2)	50 (2) 32°		37º	320	3.20
50 (2) 32°	32°	32°	32° 10°	32° 10°	32°
50 (2)			32º 10º	32º 10º	<u>32°</u> 10°
50 (2) 32° 10°	32º 10º	32º 10º	10°	10°	10°
50 (2) 32°	32°	32°	-	-	

Cat Utility Compactors

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