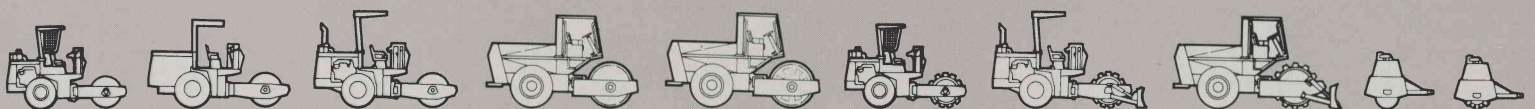


VIBRATORY SOIL COMPACTORS



Versatility and Quick Compaction
For High Efficiency



Cat's ten models of Vibratory Soil Compactors cover your full range of compaction needs, from trenches to highways to airports. You can select from smooth or padded drum, from small tow-type models up to high production heavyweights.

Cat Compactors deliver quick compaction of deep lifts for best operating economy and efficiency. They combine optimum drum weight, amplitude and frequency to develop maximum compactive effort. Superior operator comfort and excellent visibility is built in to boost overall productivity. Priority-demand power-assist steering gives positive machine control. Single lever control of forward and reverse travel simplifies operation.

Servicing is simple, too. Hydraulic systems on self-propelled units are all readily monitored for quick system diagnosis through conveniently grouped pressure test ports. Easy access to all pumps and motors simplifies service. Longer recommended intervals between scheduled maintenance reduce downtime and increase work time.

| | | Self-Propelled Smooth Drum | | | | | Self-Propelled Padded Drum | | | Towed Smooth Padded | |
|------------------|-----|----------------------------|--------|---------|---------|--------|----------------------------|---------|--------|---------------------|--------|
| Model | | CS-553 | CS-551 | CS-433B | CS-431B | CS-323 | CP-553 | CP-433B | CP-323 | TSM-54 | TSF-54 |
| Gross Power | hp | 155 | 155 | 102 | 102 | 77 | 155 | 102 | 77 | 35 | 35 |
| | kW | 115 | 115 | 76,5 | 76,5 | 57,5 | 115 | 76,5 | 57,5 | 26 | 26 |
| Drum Drive | | yes | no | yes | no | yes | yes | yes | yes | NA | NA |
| Drum Width | in. | 84 | 84 | 66 | 66 | 48 | 84 | 66 | 48 | 54 | 54 |
| | mm. | 2134 | 2134 | 1680 | 1680 | 1220 | 2134 | 1680 | 1220 | 1370 | 1370 |
| Operating Weight | lbs | 23,770 | 22,990 | 14,215 | 13,915 | 9,200 | 27,000 | 14,765 | 9,300 | 4,760 | 4,760 |
| | kgs | 10 782 | 10 428 | 6448 | 6312 | 4173 | 12 247 | 6697 | 4218 | 2160 | 2160 |
| Dynamic Force | lbs | 40,000 | 40,000 | 24,746 | 24,746 | 12,700 | 50,000 | 28,000 | 12,700 | 15,000 | 15,000 |
| | kgs | 18 150 | 18 150 | 11 224 | 11 224 | 5760 | 22 680 | 12 700 | 5760 | 6800 | 6800 |



VIBRATORY SOIL COMPACTORS

A Complete Line to Meet Your
Productivity Requirements



CS-433B



CP-323



CS-553



TSF-54

VIBRATORY SOIL COMPACTORS

550 Series: Reliability for the tough jobs

Three high-production models handle the big jobs — from highways to airports. Your best choice for compaction of up to 765 cu. m./1000 cu. yd. per hour.

- **High-traction hydrostatic propel system** and the 115 kW/155 hp Cat 3208 diesel Engine deliver reliable power to keep you working on steep grades and in deep, soft material. Large, high-torque propel motors provide excellent response and drawbar power.
- **Cat's exclusive flow divider valve** regulates hydraulic flow to ensure tractive power to both the drum and rear wheels on CS-553 and CP-553 units, regardless of underfooting. A standard NoSPIN differential provides full-time traction to both rear wheels.
- **High amplitude/dynamic force vibratory system** incorporates dual eccentric weights and optimum drum balance for even compaction

across the full 2134 mm/84" drum width. Oil bath lubrication with single low-speed seal increases reliability and reduces daily maintenance.



CS-433B



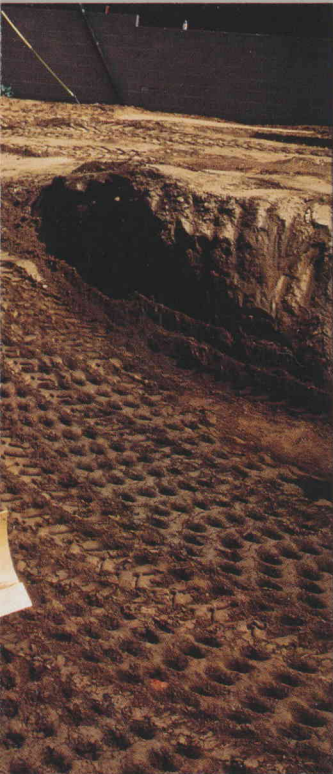
CS-553



CP-433B

Mac

- **High vantage operator's station** located over the drum gives you better visibility for more productive operation. Operator station incorporates excellent isolation from vibration for more comfortable all-day operation. Control is simplified with a single lever that controls both forward and reverse travel speed.



machines shown may have optional equipment.

400 B Series: Versatility and higher profits

The best single answer for a wide variety of soil compaction problems.

- **Dual amplitude extends versatility.** 400 B Series compactors offer a choice of vibratory amplitudes for more precise control of dynamic force for each individual application: low setting on thin lifts or to avoid

damage to aggregate; high amplitude for 30% more dynamic force on deeper lifts. This versatility makes the 400 B Series ideal for many medium sized projects including highway shoulders, building foundations, parking lots, and airport aprons.

- **High traction propel system,** powered by 76,5 kW/102 hp turbo-charged engine, operates at high torque for compaction, low torque for maximum travel speed. Speed range can be changed without stopping.

- **Flow proportioning valve** on CS-433B and CP-433B increases overall traction by regulating hydraulic flow to drum and rear wheel motors. As a result, these units offer more spinning resistance while on steeper grades and softer soil. NoSPIN differentials on all units ensure proper traction to both rear wheels.

- **Rugged hydraulic system** features large, efficient pumps and motors. Hydraulic connectors have ORFS seals that help eliminate downtime resulting from hydraulic leaks. Exposed hydraulic hoses are protected by tough, durable nylon mesh sleeves.

- **Easy serviceability** and increased uptime is a key to the 400 B Series higher production. Direct access to major components and hydraulic pressure test ports simplifies monitoring of hydraulic systems. Oil bath lubrication of drum eliminates periodic greasing.

300 Series: Compact and maneuverable

Two compact models ideal for trench work and small construction projects

- **Designed for top production in tight spaces.** The 300 Series machine width of 1400 mm/4'7" reduces trench excavation requirements. High traction propel system makes climbing in and out of trenches easy. An optional leveling blade with replaceable cutting edge allows backfilling during compaction.

- **Minimal side clearance** allows operation in confined areas. Rear wheels can be mounted inside the drum path for increased clearance.

- **Cat's exclusive flow divider valve** ensures tractive power to both drum and rear wheels, regardless of footing. The NoSPIN differential provides positive tractive effort to both wheels.

- **Excellent maneuverability** and short 3353 mm/11' inside turning radius enables the 300 Series to easily negotiate sharp elbow turns in a trench. Operation is easier with power-assist steering and high visibility operator station.

Tow-type compactors: Cost efficient yet durable

Two Cat tow-type compactors, sized for small site preparation, base compaction, trench and utility work, offer low cost per yard of material compacted. Easily towed by a D3B or D4H Track-type Tractor for confined area compaction.

- **High dynamic force** is provided by a hydrostatic vibratory system. Direct drive hydraulic system without chains or belts delivers the most efficient transfer of compactive energy to the drum.

- **Low maintenance.** Fifty-hour lubrication intervals and only four grease points speed routine maintenance procedures.

Options that extend your flexibility

- **Enclosed cabs** for all-weather comfort.
- **Optional bolt-on blades** for back-filling and leveling.
- **Drum conversion kits** allow interchangeability between padded and smooth drums.

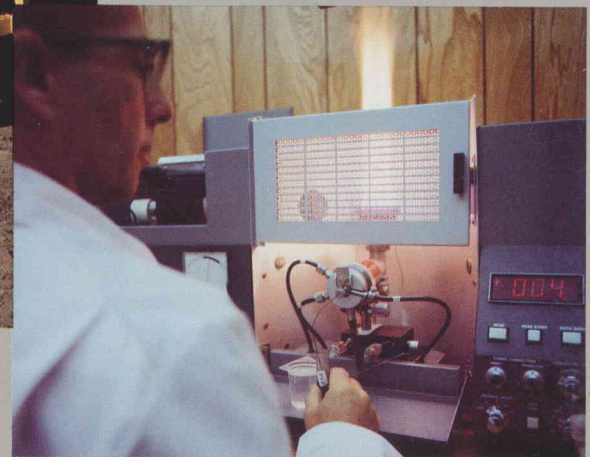
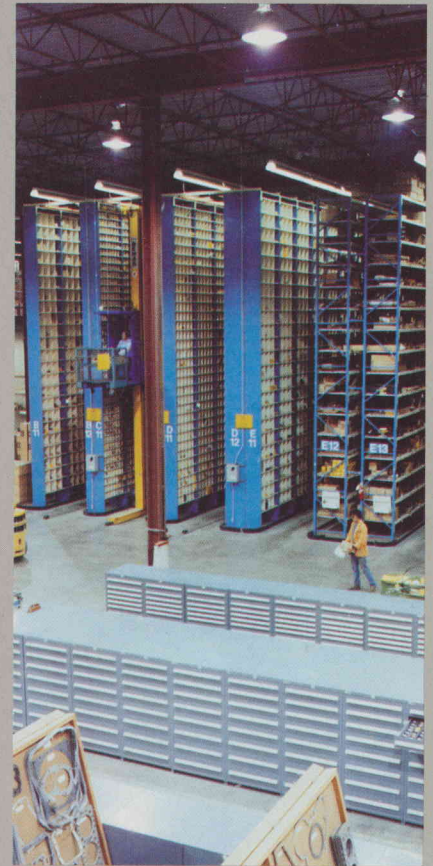
Only Cat Compactors feature the Total Customer Support System.

Which Cat Compactor is right for your job? Your Cat Dealer will help you determine which compactor fills your needs for your present job range . . . and is capable of expanding your capabilities to handle future ones.

Your Cat Dealer also offers the best financial alternatives with innovative lease, rental and financing programs that help make Cat Compactors more affordable than ever.

Unmatched parts and service support programs are provided by your Cat Dealer. Preventive maintenance, diagnostics, Scheduled Oil Sampling, and full parts and service support mean you get what it takes to keep your machine working.

Excellent trade-in values. The Caterpillar name means more at trade-in time, too. Caterpillar's traditionally higher resale values give you a head start when it's time to look for new equipment.



Helping You Get More Done