

**SKID STEER LOADERS  
COMPACT TRACK LOADERS**

**SR130 | SR160 | SR175 | SV185 | SR210 | SR240 | SR250  
SV280 | SV300 | TR270 | TR310 | TR320 | TV380**

**CASE**

**CONSTRUCTION**



**POWER OUTSIDE,  
COMFORT INSIDE**

[www.casece.com](http://www.casece.com)

**EXPERTS FOR THE REAL WORLD  
SINCE 1842**

# ACROSS HISTORY



## EXPERTS FOR THE REAL WORLD SINCE 1842

**1842** Case was founded.

**1969** Case begins skid steer loader production with the first model the 1530 Uni-Loader.

**1995** Case initiated co-branding and supply agreements with several key suppliers for power and application

attachments as well as quick couplers.

**1998** The exclusive Ride control is introduced on loader backhoes and skid steer loaders: another Case first.

**2011** Case launches brand new series of skid steer and compact track loaders.

**2015** New Tier 4 Final / EU Stage IIIB models further enrich Case skid steer and compact track loaders offering.

# PRODUCTIVITY AND RELIABILITY



## RADIAL AND VERTICAL BOOM

Extended line up to meet any customer need

To deliver Case specific performance and productivity to an ever wider range of customers, Case Construction Equipment has expanded its skid steer and compact track loader line-up. The revised range includes six radial lift skid steers (SR models), three radial lift compact track loaders (TR models) three vertical lift skid steers (SV models) and one vertical lift compact track loader (TV model).

# CLEAN POWER, MAXIMISED PRODUCTIVITY



## LOW EMISSIONS

### Low-to-no-maintenance T4 technology

The electronic engine control enhances precision and responsiveness to operator commands.

Skids SR175, SV185, SR210, SR240, SR250, SV280 SV300 and Compact Track Loaders TR270, TR310, TR320 and TV380 are equipped with High Pressure Common Rail (HPCR) technology, which regulates fuel pressure and injection timing ensuring extremely high injection precision in all engine operating conditions. This results in more torque output and allows to get more useful power from every drop of fuel.

- Diesel PM (particulate matter) Catalyst traps the residual particulate contained in the exhaust gas of the engine.
- Cooled Exhaust Gas Recirculation (CEGR) process is now controlled electronically to achieve greater performance and fuel efficiency, as well as even greater reliability - for example, to help protect the engine from overheating.
- Diesel Oxidation Catalyst (DOC) utilizes a chemical process in order to break down pollutants from diesel engines in the exhaust stream, turning them into less harmful components. DOC does not require regeneration and it is a maintenance-free component.
- Diesel Particulate Filter (DPF) physically traps particulate matter from the engine exhaust. Electronic controls will trigger an automatic regeneration of the DPF system. Additionally, the system can notify the machine operator to manually regenerate the DPF system occasionally when the soot load in the DPF exceeds the range defined for automatic regeneration.

Model	Power HP (kW)	Engine	Tier 4 Technology
SR130	49 (36)	ISM N844L-F IDI	Stage 3A / Tier 4i
		2.2L	-
SR160	60 (45)	ISM N844LT-F IDI	Stage 3B / Tier 4F
		2.2L	CEGR + DPF + DOC
SR175	67 (50)	ISM N844LTA-DI-F	Stage 3B / Tier 4F
		2.2L (HPCR)	CEGR + DOC
SV185	60 (45)	ISM N844LTA-DI-F	Stage 3B / Tier 4F
		2.2L (HPCR)	CEGR + DOC
SR210	74 (55)	FPT F5H HPCR	Stage 3B / Tier 4F
		3.4L	CEGR + DOC + PM Catalyst
SR240	74 (55)	FPT F5H HPCR	Stage 3B / Tier 4F
		3.4L	CEGR + DOC + PM Catalyst
SR250	90 (67)	FPT F5H HPCR	Stage 3B / Tier 4i
		3.4L	CEGR + DPF + DOC
SV280	74 (55)	FPT F5H HPCR	Stage 3B / Tier 4F
		3.4L	CEGR + DOC + PM Catalyst
SV300	90 (67)	FPT F5H HPCR	Stage 3B / Tier 4i
		3.4L	CEGR + DPF + DOC
TR270	74 (55)	FPT F5H HPCR	Stage 3B / Tier 4F
		3.4L	CEGR + DOC + PM Catalyst
TR310	74 (55)	FPT F5H HPCR	Stage 3B / Tier 4F
		3.4L	CEGR + DOC + PM Catalyst
TR320	90 (67)	FPT F5H HPCR	Stage 3B / Tier 4i
		3.4L	CEGR + DPF + DOC
TV380	90 (67)	FPT F5H HPCR	Stage 3B / Tier 4i
		3.4L	CEGR + DPF + DOC

# POWER OUTSIDE, COMFORT INSIDE



## OUTSTANDING STABILITY

with Case power stance chassis

Our power stance chassis rides on a 21 percent longer wheelbase, delivering greater stability and comfort and allowing increased lifting capabilities, regardless of jobsite conditions.



## TOP RANKING BREAKOUT FORCE

Case cylinder and chassis design provides maximised pushing power

The cylinder geometry optimises the skid steer and compact track loader's push and pull power, while the bucket support bearing directly on the chassis of the machine further adds to its pushing power.



Chassis supports pushing power!



## HIGH ROC

with bolt-on counterweights

Simply bolt on additional counterweights to the rear sides of the machine. Increase ROC by adding counterweights to move more material, more quickly. Decrease ROC (operating without counterweights to keep fuel costs down and decrease ground disturbance.



# THE MOST COMFORTABLE CAB EVER



## HIGH VISIBILITY

Wider glazed surface for safer operations

The large glazed surface with ultra-narrow wire side screens, the lowered threshold and thinner front pillars provide the best visibility in the market (ROPS / FOPS cab).



## EASY ACCESS

Safety first

Low threshold, together with convenient grab handles make accessing the cab easy and safe.



# POWER OUTSIDE, COMFORT INSIDE



## COMFORTABLE AND SAFE CAB

### Leading operator comfort

The wide door, repositioned grab handles and a lower threshold provide easy access to the cab. All models have suspension seats and optional air suspension heated seats for the ultimate in comfort. If specified with full cab glazing and door, the cab is completely sealed to reduce the amount of noise and dust.

### 25% wider cab

It's not just the range that has expanded: all models benefit from a cab with up to 25% more internal width, providing greatly improved operator comfort. Our cab - the widest in the industry - provides plenty of room for comfortable operation, with greater headroom and legroom, more space between the control levers and easy access to the seat.



## AUTO-RIDE CONTROL

### Optimised shock absorption

Comfort goes with productivity with CASE patented Ride Control. This optional feature is a shock absorber which reduces loader arm bouncing at elevated speed for greater material retention and increased operator comfort. More material moved, more quickly.



# CONTROL EVERYTHING WITH TWO FINGERS



## VERSATILE CONTROLS

### Tailor-made performance

The upgraded Case skids now offer EZ-EH (electro-hydraulic) controls and software. Operators can quickly change between nine presets for speed and control customization.

## FREE TO CHOOSE THE MOST SUITABLE CONTROL

### Mechanical or Electro Hydraulic controls

All controls are within easy reach and you can choose among mechanical hand drive levers or mechanical foot drive pedals, or electro-hydraulic controls.

### Proportional auxiliary hydraulics

Standard Proportional control of Auxiliary Hydraulics with detent for smooth and precise attachment control.





## HIGH VERSATILITY

Hydraulics simplified. Versatility maximised

Connect Under Pressure (CUP) system to plug hydraulic hoses with no wrenches. Three different Auxiliary Hydraulics Packages offered:

### (1) Standard Flow Package

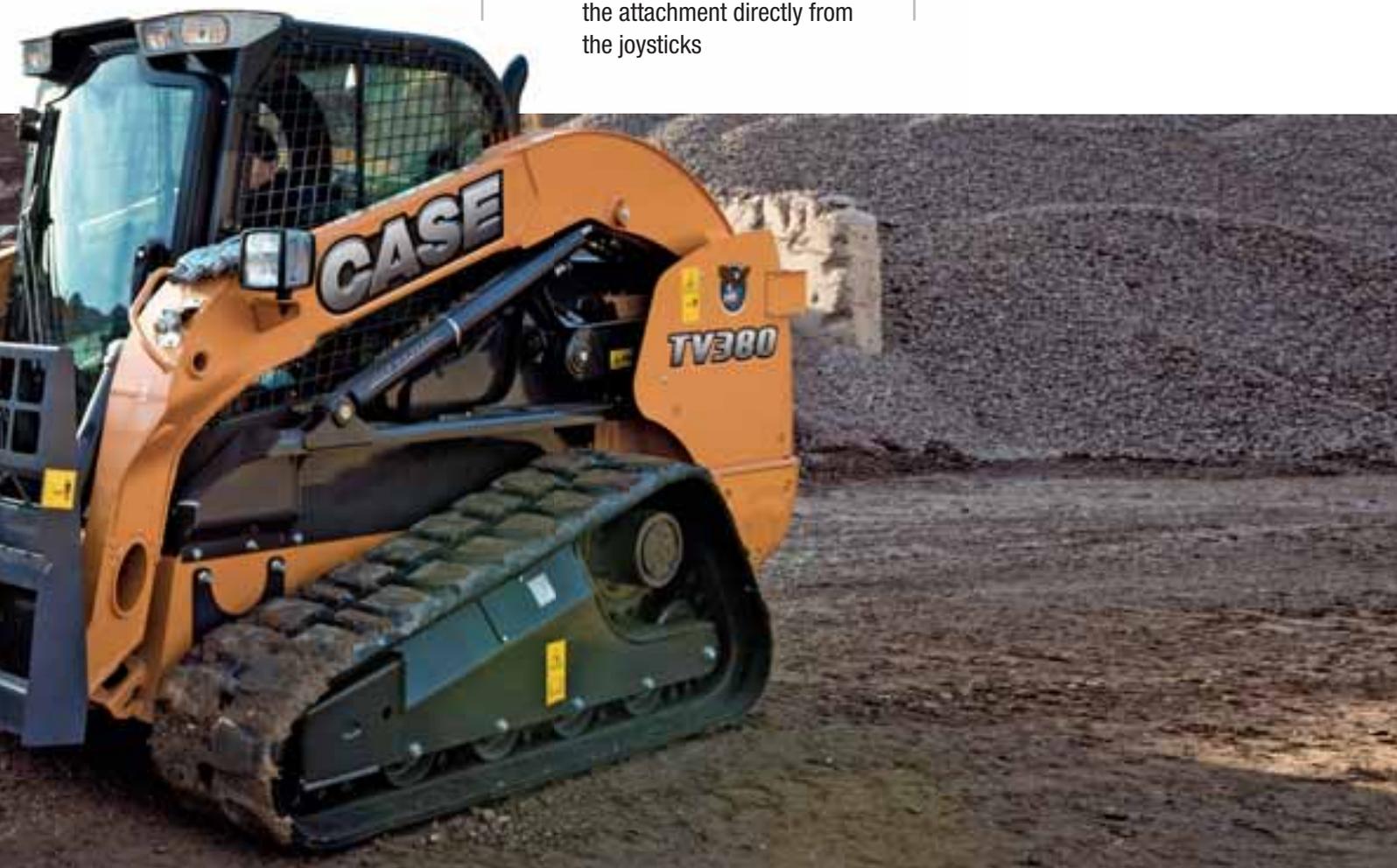
- The standard system operates the majority of available hydraulic attachments
- The proportional control provides a precise control of the attachment

### (2) High Flow Package

- Up to 55% more flow with the high-flow auxiliary hydraulics option (package level 4 and 5)
- High flow is required for attachments such as cold planers, rock wheels or large hammers
- Packages level 4 and 5 include a 14-pin front electric system to handle multiple movements of the attachment directly from the joysticks

### (3) Enhanced High Flow Package

- The enhanced high flow option (package level 7) is designed for extreme applications, such as large cold planers and mulchers



# MAIN REASONS TO CHOOSE THE SSL-CTL RANGE



## RADIAL AND VERTICAL BOOM

- Radial for digging and pushing
- Vertical for loading and carrying



## LOW EMISSIONS

- Low-to-no maintenance Stage 3B Tier 4 technology



## HIGH ROC

- Additional counterweights



## SIMPLE AND ROBUST UNDERCARRIAGE

- Robust fixed undercarriage
- Few moving parts
- Self-lubricated rollers



## HIGH VERSATILITY

- Wide range of attachments
- Different auxiliary hydraulic solutions to feed them.



## FAST ATTACHMENT CHANGE OVER

- Mechanic or hydraulic quick coupler
- Connect Under Pressure (CUP) system to plug hydraulic hoses with no wrenches





## COMFORTABLE AND SAFE CAB

- Wide cab, flat floor, convenient lap bar, optimized A/C air flow
- ROPS, FOPS certified
- Suspension and heated seats



## HIGH VISIBILITY

- Unique side lightening
- Large side windows for an excellent visibility
- Better sight lines to the tires, bucket edge, curb lines and even to the rear when backing up.



## EASY ACCESS

- Wider cab entrance
- Lower threshold
- Longer and ergonomic handles



## VERSATILE CONTROLS

- Mechanical or EH customizable controls
- Speed and sensitivity can easily be adjusted
- ISO-H switchable controls
- Ride Control for a greater operator comfort



## OUTSTANDING STABILITY

- Longer wheelbase
- Optimized weight distribution



## TOP RANKING BREAKOUT FORCE

- Aggressive cylinder mounting for superior digging efficiency



# SKID STEER LOADERS COMPACT TRACK LOADERS



# POWER OUTSIDE, COMFORT INSIDE



## SIMPLE AND ROBUST UNDERCARRIAGE

to ensure long-lasting operativity

The new Case compact track loaders feature a robust undercarriage, engineered to hold fast on steep slopes and take command of muddy or sandy terrain. The undercarriage has a rigid-track frame with fewer moving parts for greater durability and easier maintenance than suspension-track systems.

### Heavy-duty drive motor/final drive

Increases component life by using an oversized bearing in line with the drive sprocket and elevating the drive assembly, keeping it out of material.



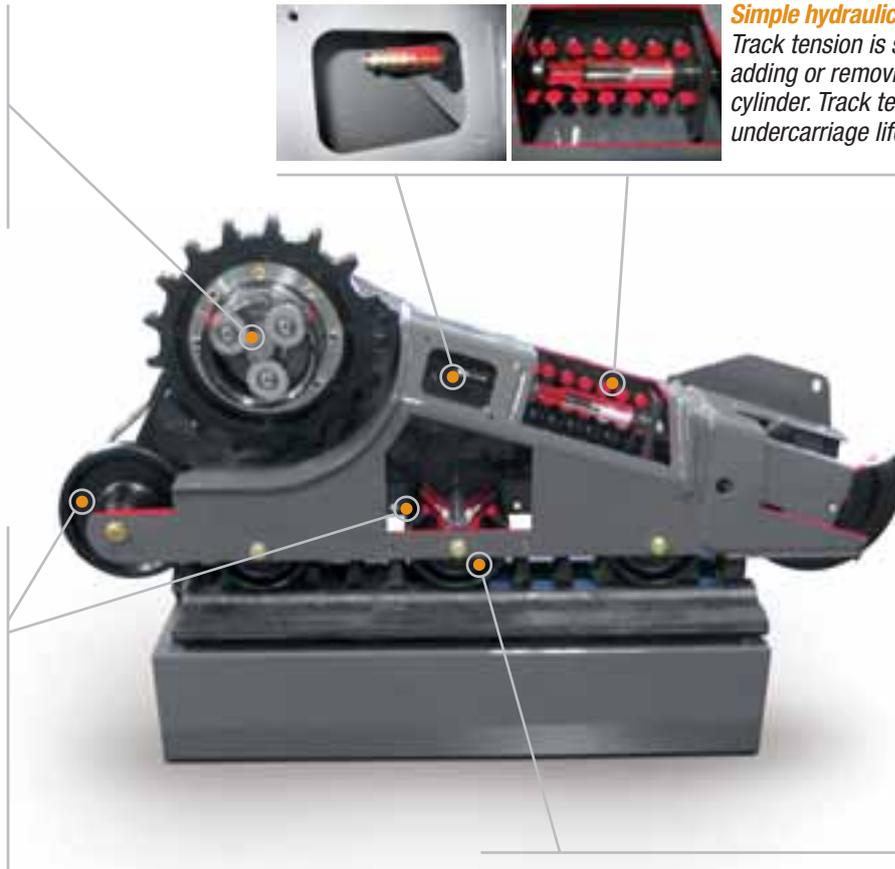
### Simple hydraulic track adjustment

Track tension is simply adjusted by adding or removing grease to a hydraulic cylinder. Track tension is important to undercarriage life and track life.



### Lifetime sealed and oil lubricated rollers and idlers

Duo-cone face seals utilize proven dozer oil-lubrication technology that provides greater reliability and lower maintenance costs. The seals reduce the possibility of material and moisture getting into the rollers and idlers.



### Triple flange rollers

Helps prevent de-tracking on inclines by using dozer-style rollers with a larger inner-diameter flange positioned between the track lugs.



# MAINTENANCE MADE EASY AND RATIONAL



## SAFE AND EASY MAINTENANCE

### Convenient cab tilting

With just two retaining bolts, the cab is easy to tilt, providing access to hydraulic and transmission components when necessary.

A safety locking system that prevents the cab from dropping is automatically activated.

### Best-in-class serviceability

Easy access, daily service points grouped together and remote mounted filters mean it's easy to keep Case skid steer and compact track loaders working to their maximum efficiency.



Maintenance kept easy even with the most advanced T4 engine technology



### Smart battery and drain hoses access

Battery and environmental drain hoses are easily accessible from the side of the machine, by removing a tap located behind the rear wheel, allowing quick service and fast maintenance activities.



## THE SCIENCE BIT

The Case SiteWatch telematics system uses a high-tech control unit mounted on each machine to collate information from that machine and from GPS satellites. This data is then sent wirelessly through the mobile communication networks to the Case Telematics Web Portal.



## SiteWatch: centralised fleet control benefits at your fingertips

- 📶 Measure your true asset availability and optimise it
- 📶 Challenge your Total Cost of Ownership!
- 📶 More Safety, Lower Insurance Premium

FUNCTIONAL VARIANTE	DESCRIPTION	SR130	SR160	SR175	SV185	SR210	SR240	SR250	SV280	SV300
8501207	10X16.5 Heavy Duty 590TW	x	x							
8501307	10X16.5 Premium 590TW	x	x							
8501407	10X16.5 Premium Liner 590TW	x	x							
8501507	27X10.5-15 Premium 640TW	x	x							
8502107	10X16.5 Non-Pneumatic 640TW	x	x	x	x	x				
8501707	10X16.5 Heavy Duty 640TW			x	x	x				
8501807	10X16.5 Premium 640TW			x	x	x				
8501907	10X16.5 Premium Liner 640TW			x	x	x				
8502007	10X16.5 Severe Duty 640TW			x	x	x				
8503107	12X16.5 Heavy Duty 700TW			x	x	x	x	x	x	x
8503207	12X16.5 Premium 700TW			x	x	x	x	x	x	x
8503307	12X16.5 Premium Liner 700TW			x	x	x	x	x	x	x
8503407	12X16.5 Severe Duty 700TW					x	x	x	x	x
8503507	12X16.5 Mining 700TW					x	x	x	x	x
8503607	12X16.5 Non-Pneumatic 700TW					x	x	x	x	x
8505007	33X15.5 Flotation 760TW					x	x	x	x	x
8505107	14X17.5 Premium 760TW						x	x	x	x



HEAVY DUTY

PREMIUM  
& PREMIUM W/LINER

SEVERE DUTY

NON-PNEUMATIC

MINING

FLOTATION

# VERSATILITY AND EFFECTIVENESS

## EASILY CONNECTED



### HIGH VERSATILITY

to undertake any type of job

Case skid steer loaders and compact track loaders can handle a broad range of attachments, providing outstanding versatility to serve a broad range of industries.



### FAST ATTACHMENT CHANGE OVER

Handle attachments easily

The Connect Under Pressure standard feature allows you to connect tool hoses without a wrench. With the hydraulic coupler option attachments can be changed rapidly without leaving the cab.



PLANER (350 mm)



PLANER (1.000 mm)



ASPHALT FLOAT



WHEEL COMPACTOR



ROCK WHEEL



HAMMER



BACKHOE BUCKET



CEMENT MIXER



SNOW BLOWER



SNOW BLADE



4X1 MULTIPURPOSE BUCKET



BROOM BUCKET



AUGER



FARM FORK



FORK & GRAPPLE

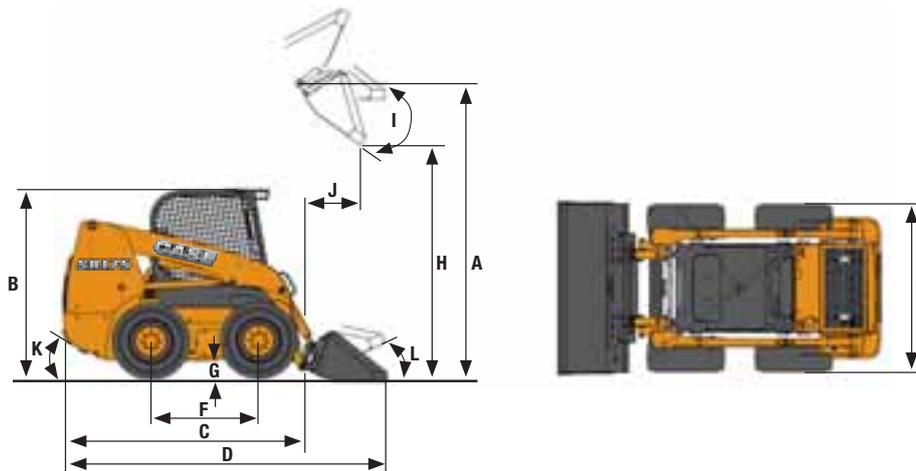


BALE SPIKE

Attachment	Application	Width (mm)	Depth (mm)	Weight (kg)	Flow	Compatible Model
Planers	Planing on asphalt or concrete. Overlaying road, industrial and courtyard surfaces. Maintenance of stretches of road.	350	0 - 110	590	Std	SR175 and bigger SR175 / SV185 / SR210 TR270 / TR310 SR210 and bigger SR210 and bigger
		450	0 - 150	790	High	
	Restoration of damaged, bumpy or worn surfaces.	600	0 - 170	950	High	
		1.000	0 - 130	1.070	High	
Asphalt Float	Backfilling of trenches and widening road surface while maintaining the road's original gradient.	1.900	N.A.	620	Std	SR210 and bigger
Wheel Compactor	Compacting the bed of a trench before adding an asphalt surface layer.	Wheel width 200 - 250 - 300 350 - 400	0 - 750	550 - 750	Std	SR210 and bigger
Rock Wheel	Trenching jobs on hard, compact materials like asphalt and concrete, digging trenches on roads or in areas where movement is restricted.	Wheel width 80-130-200	150 - 450	1.155	High	SR210 and bigger SR240 and bigger
		80-130-200	200 - 600			
Hammers	Concrete demolition jobs, trenching and general excavation work.	N.A.	N.A.	156	Std	SR130 / SR160 SR175 and bigger SR240 and bigger (except TR270 and TR310) SR240 and bigger (except TR270 and TR310)
		N.A.	N.A.	275	Std	
		N.A.	N.A.	370	Std / High	
		N.A.	N.A.	505	High	
Backhoe Bucket	Creation of trenches, foundations, drain and irrigation channels, etc. in private or public constructions, both for new or maintenance jobs.	Bucket width	Digging depth	520 750 1.020	Std Std Std	SR130 / SR160 SR175 / SV185 / SR210 SR240 and bigger
		1.400	2.480			
		1.600	2.780			
		1.600	3.260			
Cement Mixer	Production of cement for civil construction in isolated or difficult-to-access areas, or with limited availability of electric energy.	1.170	N.A.	639	Std	SR160 and bigger SR175 and bigger SR210 and bigger SR240 and bigger SR250 and bigger TV380
		1.490	N.A.	794	Std	
		1.490	N.A.	1.013	Std	
		1.575	N.A.	1.140	Std	
		1.700	N.A.	1.188	Std	
		1.760	N.A.	1.694	Std	
Snow Blower	Ideal for removing large amounts of snow without damaging the pavement. Features: effective icebreaker system, limited front height (740 mm), hydraulic chute rotation (240°)	1.800	N.A.	480	Std / High	SR175 / SV185 / SR210 / SR240 SR250 / SV280 / SV300 / TR270 TR310 SR210 and bigger
		2.100	N.A.	540	Std / High	
Snow Blade	Tiltable blade (+/- 30°) designed to roll out and evacuate snow. Features: Anti-skock system to reposition automatically the blade in working position, sidelights to work safely	2.100	N.A.	315	Std	SR130 / SR160 / SR175 / SV185 SR210 / TR270 / TR310 SR240 / SR250 / SV280 / SV300 TR320 / TV380
		2.400	N.A.	410	Std	
Dozer Blade	General dozing applications	1.980	N.A.	285	Std	SR130 / SR160 / SR175 / SV185 SR210 / TR270 / TR310 SR175 / SV185 / SR210 / SR240 SR250 / SV280 / SV300 / TR270 TR310 SR240 / SR250 / SV280 / SV300 TR320 / TV380 SR240 / SR250 / SV280 / SV300 TR320 / TV380
		2.135	N.A.	288 - 358	Std	
		2.365	N.A.	510	Std	
		2.640	N.A.	525	Std	
Wide range of Buckets (Dirt&Foundry; Low Profile; Low Profile Extended, Heavy Duty, Manure/Slurry; Light Material, Side Tip)	Digging, excavating, grading, material handling	Capacity (m³)		120-230 154-324 220-342 225-500 250-540	N.A. N.A. N.A. N.A. N.A.	SR130 / SR160 SR175 / SV185 / SR210 SR175 / SV185 / SR210 SR240 / SR250 / SV280 / SV300 TR270 / TR310 SR240 / SR250 / SV280 / SV300 TR320 / TV380
		1.525	0,35-0,63			
		1.680	0,40-0,72			
		1.830	0,48-0,99			
		1.850	0,33-1,75			
4X1 Multipurpose Bucket	Multipurpose bucket: applications as conventional bucket, grab for back filling or as a dozer	Capacity (m³)		235-280 283-320 310-403 435-453	Std Std Std Std	SR130 / SR160 SR175 / SV185 / SR210 SR175 / SV185 / SR210 / SR240 SR250 / SV280 / SV300 / TR270 TR310 SR240 / SR250 / SV280 / SV300 TR320 / TV380
		1.525	0,33-0,35			
		1.680	0,40			
		1.850	0,43-0,44			
		2.080	0,50			
High Tip Bucket	Increase dump height by 800 to 1.200 mm	Capacity (m³)		364 176 336-352 466	Std Std Std Std	SR130 / SR160 SR175 / SV185 / SR210 SR175 / SV185 / SR210 / SR240 SR250 / SV280 / SV300 / TR270 TR310 SR240 / SR250 / SV280 / SV300 TR320 / TV380
		1.525	0,67			
		1.680	0,44			
		1.850	0,49-0,67			
		2.080	0,76			
Broom Bucket	Clearing yards, roads, footpaths, etc. Also efficient for snow clearance.	Capacity (m³)		300-405 336-435 420-465 480-490	Std Std Std Std	SR130 / SR160 SR175 / SV185 / SR210 SR175 / SV185 / SR210 / SR240 SR250 / SV280 / SV300 / TR270 TR310 SR240 / SR250 / SV280 / SV300 TR320 / TV380
		1.525	0,35			
		1.680	0,38			
		1.850	0,43			
		2.080	0,48-0,51			
Auger (std flow) Auger (high flow)	Boring of holes in the ground such as telegraph poles, electricity pylons, signposts, metallic frame pillars, tree and shrub planting	760 900	1.200 1.200	20 - 175 30 - 225	Std High	All SR175 and bigger
Farm Fork Fork & Grapple	Farm fork: General farm yard applications. Fork and Grapple: "Mucking out" bale and silage handling. Also suitable for industrial applications.	Capacity (m³)		153-255 170-302 221-341 211-381	Std Std Std Std	SR130 / SR160 SR175 / SV185 / SR210 SR175 / SV185 / SR210 / SR240 SR250 / SV280 / SV300 / TR270 TR310 SR240 / SR250 / SV280 / SV300 TR320 / TV380
		1.525	0,54-0,85			
		1.680	0,60-0,92			
		1.850	0,55-1,02			
Pallet Fork	Handling of palletized loads.	Forks length	N.A.	126-308	N.A.	SR210 and smaller SR210 and smaller All
		1.000	N.A.	144-312	N.A.	
		1.100	N.A.	194-320	N.A.	
Bale Spike	Handling of round bales	980	N.A.	55	N.A.	All

# SKID STEER LOADERS

## COMPACT TRACK LOADERS



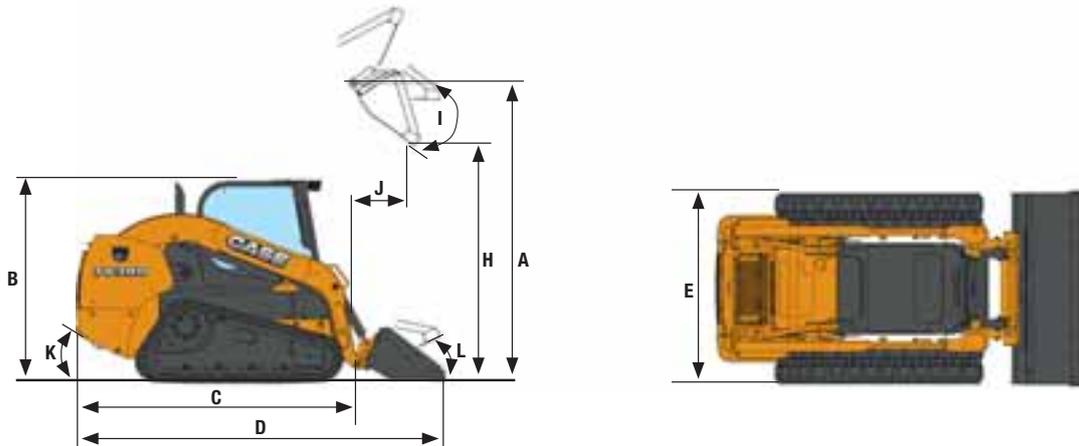
### GENERAL DIMENSIONS

	SR130	SR160	SR175	SV185	SR210	SR240	SR250	SV280	SV300
A - Height to Bucket Hinge Pin	2.845 mm	2.845 mm	3.099 mm	3.048 mm	3.124 mm	3.175 mm	3.175 mm	3.302 mm	3.302 mm
B - Height to Top of ROPS	1.919 mm	1.919 mm	1.974 mm	1.974 mm	1.998 mm	2.002 mm	2.002 mm	2.002 mm	2.002 mm
C - Length without attachment	2.435 mm	2.435 mm	2.685 mm	2.685 mm	2.669 mm	2.981 mm	2.981 mm	2.990 mm	2.990 mm
D - Length with bucket *	3.028 mm	3.028 mm	3.305 mm	3.345 mm	3.292 mm	3.611 mm	3.611 mm	3.604 mm	3.604 mm
E - Overall Width	1.518 mm	1.518 mm	1.678 mm	1.678 mm	1.755 mm	1.768 mm	1.768 mm	1.768 mm	1.768 mm
F - Wheelbase	941 mm	941 mm	1.128 mm	1.128 mm	1.128 mm	1.322 mm	1.322 mm	1.322 mm	1.322 mm
G - Ground Clearance	178 mm	178 mm	178 mm	178 mm	203 mm				
H - Dump height *	2.246 mm	2.246 mm	2.470 mm	2.380 mm	2.495 mm	2.562 mm	2.562 mm	2.629 mm	2.629 mm
I - Dump Angle	40°	40°	40°	52°	40°	38°	38°	54°	54°
J - Dump Reach @ Max Height	469 mm	469 mm	542 mm	783 mm	517 mm	575 mm	575 mm	744 mm	744 mm
K - Angle of Departure	22°	22°	23°	23°	25°	24°	24°	24°	24°
L - Rollback Angle (Bucket on Ground)	26°	26°	32°	35°	31°	31°	31°	35°	35°

### SPECIFICATIONS

	SR130	SR160	SR175	SV185	SR210	SR240	SR250	SV280	SV300
<b>FRAME SIZE</b>	Small Frame	Small Frame	Medium Frame	Medium Frame	Medium Frame	Large Frame	Large Frame	Large Frame	Large Frame
<b>EMISSIONS LEVEL</b>	Tier 4i / Stage 3A	Tier 4F / Stage 3B	Tier 4F / Stage 3B	Tier 4F / Stage 3B	Tier 4F / Stage 3B	Tier 4F / Stage 3B	Tier 4i / Stage 3B	Tier 4F / Stage 3B	Tier 4i / Stage 3B
<b>PERFORMANCE SPECS</b>									
Rated Operating Capacity 50%	590 kg	725 kg	790 kg	840 kg	905 kg	1.088 kg	1.135 kg	1.270 kg	1.360 kg
ROC with counterweights 50%	635 kg	770 kg	835 kg	885 kg	950 kg	1.178 kg	1.225 kg	1.360 kg	1.450 kg
Tipping Load	1.179 kg	1.455 kg	1.588 kg	1.678 kg	1.814 kg	2.177 kg	2.268 kg	2.540 kg	2.722 kg
Lift Cylinder Breakout Force**	13.0 kN	15.0 kN	17.0 kN	15.3 kN	20.3 kN	25.0 kN	25.3 kN	25.0 kN	24.9 kN
Bucket Cylinder Breakout Force**	19.0 kN	23.4 kN	32.3 kN	24.7 kN	32.3 kN	39.4 kN	33.3 kN	33.7 kN	33.7 kN
<b>ENGINE</b>									
Engine Make - Model	ISM N844L-D (Nat. Asp.)	ISM N844LT-F (Turbo)	ISM N844LTA-DI-F (Turbo)	ISM N844LTA-DI-F (Turbo)	FPT F5H (Turbo)	FPT F5H (Turbo)	FPT F5C (Turbo)	FPT F5H (Turbo)	FPT F5H (Turbo)
Displacement	2.2 l	2.2 l	2.2 l	2.2 l	3.4 l	3.4 l	3.4 l	3.4 l	3.4 l
Horsepower	49 hp @ 2.800 rpm	60 hp @ 2.800 rpm	67 hp @ 2.800 rpm	60 hp @ 2.900 rpm	74 hp @ 2.500rpm	74 hp @ 2.500rpm	90 hp @ 2.500rpm	74 hp @ 2.500rpm	90 hp @ 2.500 rpm
Peak torque	143 Nm @ 1.800 rpm	188 Nm @ 1.800 rpm	208 Nm @ 1.800 rpm	183 Nm @ 1.800 rpm	314 Nm @ 1.400 rpm	314 Nm @ 1.400 rpm	383 Nm @ 1.400 rpm	314 Nm @ 1.400 rpm	383 Nm @ 1.400 rpm
<b>TRAVEL SPEED</b>									
Low Range	12.7 km/h	11.9 km/h	11.9 km/h	11.9 km/h	11.4 km/h	12.4 km/h	11.3 km/h	12.4 km/h	11.3 km/h
High Range (Optional)	NA	NA	18.5 km/h	18.5 km/h	16.9 km/h	18.5 km/h	18.5 km/h	18.5 km/h	18.5 km/h
<b>HYDRAULIC SYSTEM</b>									
Pump flow	59 LPM	70 LPM	78 LPM	78 LPM	92 LPM	92 LPM	92 LPM	92 LPM	92 LPM
Optional high flow	N/A	N/A	116 LPM	116 LPM	126 LPM	143 LPM	143 LPM	143 LPM	143 LPM
Relief Pressure	210 bar	210 bar	210 bar	210 bar	210 bar	210 bar	210 bar	210 bar	210 bar
<b>WEIGHTS</b>									
Operating Weight	2.300 kg	2.505 kg	2.842 kg	2.980 kg	3.160 kg	3.350 kg	3.490 kg	3.670 kg	3.765 kg
Shipping Weight	2.160 kg	2.370 kg	2.705 kg	2.840 kg	3.025 kg	3.200 kg	3.340 kg	3.475 kg	3.610 kg
<b>SERVICE CAPACITY</b>									
Fuel Tank	60.5 l	60.5 l	73.8 l	73.8 l	73.8 l	96.5 l	96.5 l	96.5 l	96.5 l

# SPECIFICATIONS



## GENERAL DIMENSIONS

	TR270	TR310	TR320	TV380
A - Height to Bucket Hinge Pin	3.124 mm	3.124 mm	3.215 mm	3.342 mm
B - Height to Top of ROPS	1.998 mm	1.998 mm	2.043 mm	2.043 mm
C - Length without attachment	2.669 mm	2.669 mm	2.981 mm	2.990 mm
D - Length with bucket *	3.292 mm	3.292 mm	3.611 mm	3.604 mm
E - Overall Width	1.676 mm	1.888 mm	1.930 mm	1.930 mm
F - Wheelbase	NA	NA	NA	NA
G - Ground Clearance	203 mm	203 mm	243 mm	243 mm
H - Dump height *	2.495 mm	2.495 mm	2.602 mm	2.669 mm
I - Dump Angle	40°	40°	38°	54°
J - Dump Reach @ Max Height	568 mm	568 mm	548 mm	798 mm
K - Angle of Departure	32°	32°	32°	32°
L - Rollback Angle (Bucket on Ground)	31°	31°	30°	34°

## SPECIFICATIONS

	TR270		TR310		TR320		TV380	
<b>FRAME SIZE</b>	Medium Frame		Medium Frame		Large Frame		Large Frame	
<b>EMISSIONS LEVEL</b>	Tier 4F / Stage 3B		Tier 4F / Stage 3B		Tier 4i / Stage 3B		Tier 4i / Stage 3B	
<b>PERFORMANCE SPECS</b>								
Rated Operating Capacity 50%	50%: 1.225	35%: 860	50%: 1.406	35%: 984	50%: 1.451	35%: 1.018	50%: 1.723	35%: 1.209
ROC with counterweights 50%	50%: 1.280	35%: 915	50%: 1.461	35%: 1.039	50%: 1.676	35%: 1.203	50%: 1.948	35%: 1.394
Tipping Load	2.450 kg		2.810 kg		2.902 kg		3.447 kg	
Lift Cylinder Breakout Force**	27.8 kN		29.0 kN		34.5 kN		26.8 kN	
Bucket Cylinder Breakout Force**	32.3 kN		38.6 kN		38.7 kN		33.4 kN	
<b>ENGINE</b>								
Engine Make - Model	FPT F5H (Turbo)		FPT F5H (Turbo)		FPT F5H (Turbo)		FPT F5H (Turbo)	
Displacement	3.4 l		3.4 l		3.4 l		3.4 l	
Horsepower	74 hp @ 2.500rpm		74 hp @ 2.500rpm		90 hp @ 2.500 rpm		90 hp @ 2.500 rpm	
Peak torque	314 Nm @ 1.400 rpm		314 Nm @ 1.400 rpm		383 Nm @ 1.400 rpm		383 Nm @ 1.400 rpm	
<b>TRAVEL SPEED</b>								
Low Range	8.2 km/h		8.2 km/h		8.2 km/h		8.2 km/h	
High Range (Optional)	12.2 km/h		12.2 km/h		12.2 km/h		12.2 km/h	
<b>HYDRAULIC SYSTEM</b>								
Pump flow	92 LPM		92 LPM		92 LPM		92 LPM	
Optional high flow	123 LPM		123 LPM		143 LPM		143 LPM	
Relief Pressure	210 bar		210 bar		210 bar		210 bar	
<b>WEIGHTS</b>								
Operating Weight	3.750 kg		4.027 kg		4.355 kg		4.625 kg	
Shipping Weight	3.615 kg		3.891 kg		4.200 kg		4.475 kg	
<b>SERVICE CAPACITY</b>								
Fuel Tank	73.8 l		73.8 l		96.5 l		96.5 l	

\* With D&F Bucket - \*\* Breakout forces estimated considering both tip and hydraulic limits.

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*NOTE: Standard and optional fittings  
can vary according to the demands and  
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