160/
160 AWD
Motor Graders



160 graders bring the latest emissions reduction technology to the most durable, productive and comfortable motor graders on the market. From building roads to maintaining them, 160 Motor Graders are designed to help you get more work done in less time. Outstanding durability, unprecedented operator comfort and ease of service help to maximize your return on investment. 160 Motor Graders meet U.S. EPA Tier 4 Final/EU Stage V emission standards.

Machine Controls

Simple, intuitive joystick controls replace levers, so hand and arm movement is reduced by 78%, helping reduce operator fatigue for better productivity. Control pods can be adjusted electronically, making it easy to set your ideal operating position.

Adding to ease of operation are features like Articulation Return to Center, which automatically returns the machine to a straight frame position with the touch of a button. Electronic Throttle Control provides the best match of horsepower and torque for the demands of the application. Selectable Blade Lift Modes allow you to choose Fine, Normal or Coarse blade lift modes to best fit your application or operating style.

Operator Station

In addition to excellent comfort and visibility, 160 graders feature an updated seat with heated/ventilated options, as well as an optional seat belt indicator. The high capacity Heating, Ventilation and Air Conditioning (HVAC) system dehumidifies and pressurizes the cab, seals out dust and helps keep windows clear. An updated message display shows machine and diagnostic information. Now located in the center console, it also displays Cat® GRADE with Cross Slope readings conveniently in front of the operator. An optional deluxe radio with CD features MP3 and Bluetooth® technology.

Emissions Technology

Emissions reduction technology on the 160 Motor Grader is designed to be transparent, with no action required from the operator. There is no need to stop. Regeneration runs automatically at cold start-up and, if needed, in the background while you work. The Selective Catalytic Reduction system utilizes Diesel Exhaust Fluid (DEF), which can be conveniently filled from ground level. Simply refill the DEF tank when you refuel. A gauge on the dash shows your fluid level.

CAT®

160/160 AWD Motor Graders Features

Engine and Power Train
A Cat C9.3 engine gives you the performance to maintain consistent grading speeds for maximum productivity. Programmable Autoshift option simplifies operation by allowing you to program the transmission to shift at optimal points to match your application. A new standard Economy Mode can be turned on to help you save fuel by reducing engine speed so the machine works in a more efficient range. The average fuel savings is up to 10 percent, depending on the application.

Standard Automatic Differential Lock/Unlock monitors machine and application parameters to unlock/re-lock the differential during operation, improving production and enhancing comfort while protecting the power train. A hydraulic demand fan automatically adjusts speed according to cooling needs, so when cooling demand is reduced, you benefit from more power to the ground and improved fuel efficiency.

All Wheel Drive
Optional All Wheel Drive (AWD) gives you the additional power to the ground you need to work more efficiently in mud, gravel, sand or snow. The added traction helps reduce sliding on side slopes.

Drawbar-Circle-Moldboard (D-C-M)
The drawbar, circle and moldboard are designed to make it easy to keep the components tight. One person can easily adjust or replace the patented top-adjust drawbar wear inserts from the top of the drawbar plate, reducing downtime. Durable nylon composite wear inserts maximize circle torque and component life. Sacrificial brass wear strips between the blade mounting group and moldboard can be easily adjusted and replaced. The Shimless Moldboard Retention System uses vertical and horizontal adjusting screws to keep moldboard wear strips aligned for reduced blade chatter and precise blade control.

Responsive Hydraulics
A proven load-sensing system and advanced electro-hydraulics give you superior implement control and responsive hydraulic performance. Proportional Priority Pressure-Compensating valves have different flow rates for the head and rod ends of the cylinder, so you can count on consistent, predictable implement response. Balanced hydraulic flow is proportioned to give you confidence that all implements will operate simultaneously without slowing the engine or speed of some implements.

Integrated Technologies
- Fully scalable, factory integrated optional Cat GRADE with Cross Slope helps you more easily maintain desired cross slope by automatically controlling one side of the blade.
- Optional Cat GRADE uses positioning and guidance technologies, machine sensors, and automatic blade control to help you get to grade faster, easier and more efficiently.
- Cat Product Link™ aids your equipment management with remote monitoring capabilities. A secure VisionLink® user interface lets you know where your equipment is, what it's doing and how it's performing so you can maximize efficiency and lower operating costs.

Safety
Some of the many safety features designed into the 160 Motor Grader include:

- Ground-level Electrical Disconnect and Engine Shutoff switches.
- Operator Presence System keeps the parking brake engaged and hydraulic implements disabled until the operator is seated and machine is ready for operation.
- Hydraulic Lockout disables all implement functions while still providing machine steering control – especially useful while roading.
- Speed Sensitive Steering becomes less sensitive as ground speed increases for greater operator confidence and control.
- Optional rearview camera with in-cab monitor.

For more details on these and other features, please see your Cat Dealer or visit *www.cat.com*.

Engine

Engine Model	Cat C9.3	
Emissions	U.S. EPA Tier 4 Final/ EU Stage V	
Base Power (1st gear) – Net	165 kW	221 hp
Base Power (1st gear) – Net (Metric)		224 hp
VHP Plus Range – Net	165-203 kW	221-272 hp
VHP Plus Range – Net (Metric)		224-276 hp
AWD Range – Net	172-219 kW	231-293 hp
AWD Range – Net (Metric)		234-298 hp
Displacement	9.3 L	567.5 in³
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Torque Rise	39%	
Maximum Torque (VHP Plus)	1355 N·m	1,000 lb-ft
Maximum Torque (AWD On)	1464 N·m	1,079 lb-ft
Speed @ Rated Power	2,000 rpm	
Number of Cylinders	6	
Derating Altitude	3050 m	10,000 ft
High Ambient – Fan Speed		
Standard	1,400 rpm	
Maximum	1,550 rpm	
Minimum	500 rpm	
Standard Capability	43° C	109° F
High Ambient Capability	50° C	122° F

Gear – Net Power	VHP Plus kW (hp)	AWD Off kW (hp)	AWD On kW (hp)
Forward			
1st	165 (221)	172 (231)	180 (241)
2nd	172 (231)	180 (241)	195 (262)
3rd	180 (241)	188 (252)	199 (267)
4th	188 (252)	191 (257)	203 (272)
5th	191 (257)	195 (262)	219 (293)
6th	195 (262)	199 (267)	219 (293)
7th	199 (267)	203 (272)	219 (293)
8th	203 (272)	203 (272)	219 (293)
Reverse			
1st	165 (221)	165 (221)	165 (221)
2nd	172 (231)	172 (231)	172 (231)
3rd–6th	180 (241)	180 (241)	180 (241)

Engine (cont'd)

- Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
- VHP Plus is standard for the 160 and 160 AWD.
- Net power advertised is the power available at rated speed of 2,000 rpm, measured at the flywheel when engine is equipped with fan running at minimum speed, air cleaner, muffler and alternator.
- No engine derating required up to 3050 m (10,000 ft).
- Power as declared per ISO 14396
  Rated rpm 2,000
  VHP+ = 204 kW (274 hp)
  AWD = 220 kW (295 hp)
- All nonroad U.S. EPA Tier 4 and European Union (EU) Stage V diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (mg/kg) sulfur or less. Biodiesel blends up to B20 (20% blend by volume) are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.
- Cat engines equipped with a Selective Catalytic Reduction (SCR) system are required to use:
  – Diesel Exhaust Fluid (DEF) which meets the requirements outlined in the International Organization for Standardization (ISO) standard 22241-1.

Power Train

Forward/Reverse Gears	8 Forward/6 Reverse	
Transmission	APECS, Direct Drive, Powershift	
Brakes		
Service	Multiple Oil Disc	
Service, Surface Area	23 000 cm²	3,565 in²
Parking	Multiple Oil Disc	
Secondary	Dual Circuit Control	

Hydraulic System

Circuit Type	Parallel	
Pump Type	Variable Piston	
Pump Output	210 L/min	55.5 gal/min
Maximum System Pressure	24 150 kPa	3,503 psi
Reservoir Tank Capacity	64.0 L	16.9 gal
Standby Pressure	6100 kPa	885 psi

- Pump output measured at 2,150 rpm.

160/160 AWD Motor Graders Specifications

Operating Specifications

Top Speed		
Forward	47.4 km/h	29.5 mph
Reverse	37.4 km/h	23.3 mph
Turning Radius, Outside Front Tires	7.8 m	25 ft 7 in
Steering Range – Left/Right	50°	
Articulation Angle – Left/Right	20°	
Forward		
1st	4.1 km/h	2.6 mph
2nd	5.6 km/h	3.5 mph
3rd	8.1 km/h	5.1 mph
4th	11.2 km/h	7.0 mph
5th	17.4 km/h	10.8 mph
6th	23.7 km/h	14.7 mph
7th	32.6 km/h	20.3 mph
8th	47.4 km/h	29.5 mph
Reverse		
1st	3.3 km/h	2.0 mph
2nd	6.1 km/h	3.8 mph
3rd	8.8 km/h	5.5 mph
4th	13.7 km/h	8.5 mph
5th	25.7 km/h	16.0 mph
6th	37.4 km/h	23.3 mph

• Calculated with no slip and 14.0R24 tires.

Service Refill

Fuel Capacity	394 L	104 gal
Cooling System	57.0 L	15.0 gal
Hydraulic System		
Total	100 L	26.4 gal
Tank	64.0 L	16.9 gal
Engine Oil	30.0 L	7.9 gal
Trans./Diff./Final Drives	70.0 L	18.5 gal
Tandem Housing (Each)	87.0 L	22.9 gal
Front Wheel Spindle Bearing Housing	0.5 L	0.13 gal
Circle Drive Housing	7.0 L	1.8 gal
Diesel Exhaust Fluid	22.0 L	5.8 gal

Frame

Circle		
Diameter	1553 mm	61.1 in
Height	160 mm	6.3 in
Blade Beam Thickness	40.0 mm	1.6 in
Drawbar		
Height	152 mm	6.0 in
Width	76.2 mm	3.0 in
Thickness	12.7 mm	0.50 in
Front-Top/Bottom Plate		
Width	305 mm	12.0 in
Thickness	22.0 mm	0.87 in
Front Frame Structure		
Height	321 mm	12.6 in
Width	305 mm	12.0 in
Front Axle		
Height to Center	596 mm	23.5 in
Wheel Lean, Left/Right	18°	
Total Oscillation per Side	32°	

• Front-top/bottom plate – width tolerance ±2.5 mm (0.098 in).

Tandems

Height	572 mm	22.5 in
Width	204 mm	8.0 in
Sidewall Thickness		
Inner	17.5 mm	0.69 in
Outer	18.0 mm	0.71 in
Drive Chain Pitch	50.8 mm	2.0 in
Wheel Axle Spacing	1523 mm	60.0 in
Tandem Oscillation		
Front Up	15°	
Front Down	25°	

Optional Tire Arrangements

Common Tire Options

160/160 AWD

Rim Size	Wheel Group	Tires
9 × 24	Single-Piece	14.0R24
13 × 25	Single-Piece	17.5R25
10 × 24	Multi-Piece	14.0R24
10 × 24	Multi-Piece	14.0-24
14 × 25	Multi-Piece	17.5R25
14 × 25	Multi-Piece	17.5-25

Note: Consult your dealer for individual tire width, size and brand.

Moldboard

Blade Width	4.2 m	14 ft
Moldboard		
Height	610 mm	24.0 in
Thickness	22.0 mm	0.87 in
Arc Radius	413 mm	16.3 in
Throat Clearance	166 mm	6.5 in
Cutting Edge		
Width	152 mm	6.0 in
Thickness	16.0 mm	0.60 in
End Bit		
Width	152 mm	6.0 in
Thickness	16.0 mm	0.60 in
Blade Pull		
Base GVW	11 762 kg	25,931 lb
Maximum GVW	15 541 kg	34,262 lb
Base GVW (AWD)	16 700 kg	36,817 lb
Maximum GVW (AWD)	22 512 kg	49,630 lb
Blade Down Pressure		
Base GVW	7713 kg	17,004 lb
Maximum GVW	13 294 kg	29,308 lb
Base GVW (AWD)	8589 kg	18,935 lb
Maximum GVW (AWD)	13 294 kg	29,308 lb

Blade Range

Circle Centershift		
Right	728 mm	28.7 in
Left	695 mm	27.4 in
Moldboard Sideshift		
Right	660 mm	26.0 in
Left	510 mm	20.1 in
Maximum Blade Position Angle	90°	
Blade Tip Range		
Forward	40°	
Backward	5°	
Maximum Shoulder Reach Outside of Tires		
Right	2278 mm	89.7 in
Left	2090 mm	82.3 in
Maximum Lift Above Ground	452 mm	17.8 in
Maximum Depth of Cut	750 mm	29.5 in

Ripper

Ripping Depth, Maximum	426 mm	16.8 in
Ripper Shank Holders	5	
Ripper Shank Holder Spacing	533 mm	21.0 in
Penetration Force	9440 kg	20,812 lb
Pryout Force	12 924 kg	28,493 lb
Machine Length Increase, Beam Raised	1031 mm	40.6 in

Scarifier

Front, V-Type: Working Width	1205 mm	47.4 in
Front, V-Type, 5 or 11 Tooth		
Working Width	1031 mm	40.6 in
Scarifying Depth, Maximum	467 mm	18.4 in
Scarifier Shank Holders	5/11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Mid, V-Type		
Working Width	1184 mm	46.6 in
Scarifying Depth, Maximum	292 mm	11.5 in
Scarifier Shank Holders	11	
Scarifier Shank Holder Spacing	116 mm	4.6 in
Rear		
Working Width	2133 mm	84.0 in
Scarifying Depth, Maximum	426 mm	16.8 in
Scarifier Shank Holders	9	
Scarifier Shank Holder Spacing	267 mm	10.5 in

Weights

Gross Vehicle Weight, Base		
Total	17 563 kg	38,719 lb
Front Axle	4494 kg	9,907 lb
Rear Axle	13 069 kg	28,812 lb
Gross Vehicle Weight, Maximum		
Total	25 013 kg	55,144 lb
Front Axle	7745 kg	17,075 lb
Rear Axle	17 268 kg	38,069 lb
Operating Weight, Typically Equipped		
Total	20 660 kg	45,547 lb
Front Axle	6004 kg	13,237 lb
Rear Axle	14 656 kg	32,310 lb

160/160 AWD Motor Graders Specifications

Weights – AWD

Gross Vehicle Weight, Base		
Total	18 555 kg	40,908 lb
Front Axle	5004 kg	11,033 lb
Rear Axle	13 551 kg	29,875 lb
Gross Vehicle Weight, Maximum		
Total	25 013 kg	55,144 lb
Front Axle	7745 kg	17,075 lb
Rear Axle	17 268 kg	38,069 lb
Operating Weight, Typically Equipped		
Total	21 552 kg	47,514 lb
Front Axle	6481 kg	14,289 lb
Rear Axle	15 071 kg	33,225 lb

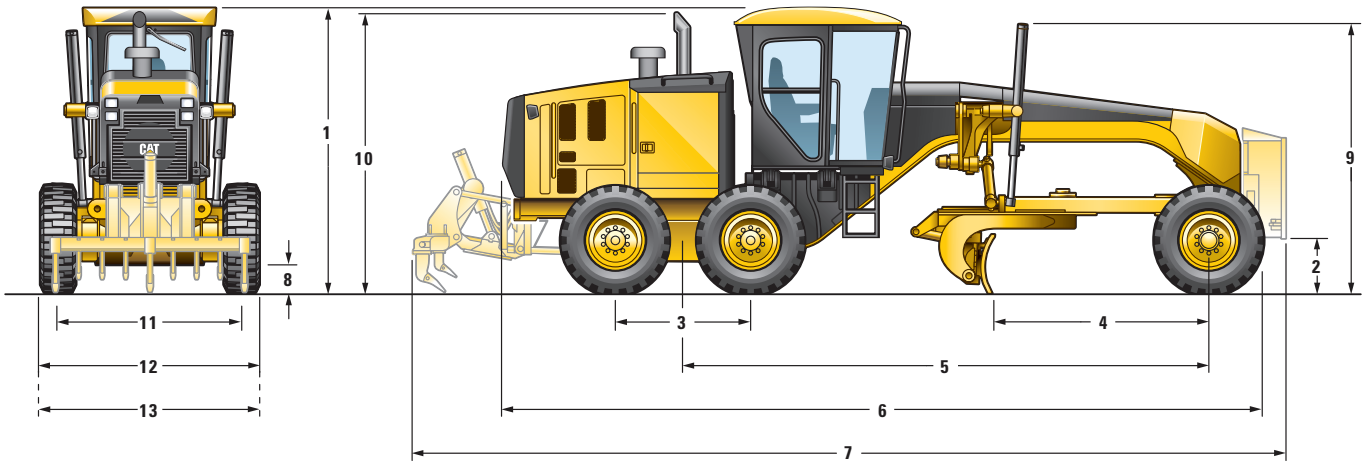
- Base operating weight on standard machine configuration is calculated with full fuel tank, coolant, lubricants, operator and 14.0R24 tires with multi-piece (MP) rims.
- Typically equipped operating weight is calculated with push block, transmission guard, rear ripper/scarifier, 17.5R25 tires with multi-piece (MP) rims, and other equipment.

Standards

ROPS/FOPS	ISO 3471; ISO 3499
Steering	ISO 5010
Brakes	ISO 3450
Sound	ISO 6396; ISO 6395

- The declared dynamic operator sound pressure level is 71 dB(A) for the 160 and 160 AWD when "ISO 6396:2008" is used to measure the value for a European Union "CE" marked machine. The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.
- The declared exterior sound power level is 107 dB(A) for the 160 and 108 dB(A) for the 160 AWD when the value is measured according to the dynamic test procedures and the conditions that are specified in "ISO 6395:2008." The measurement was conducted for a European Union "CE" marked machine at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds and during diesel particulate filter regeneration.

Dimensions



1 Height – Top of Cab	3308 mm	130 in	**8** Ground Clearance at Rear Axle	339 mm	13.3 in
2 Height – Front Axle Center	596 mm	23.5 in	**9** Height to Top of Cylinders	3040 mm	120 in
3 Length – Between Tandem Axles	1523 mm	60.0 in	**10** Height to Exhaust Stack	3256 mm	128 in
4 Length – Front Axle to Moldboard	2552 mm	100 in	**11** Width – Tire Center Lines	2140 mm	84.3 in
5 Length – Front Axle to Mid Tandem	6123 mm	241 in	**12** Width – Outside Rear Tires	2511 mm	98.9 in
6 Length – Front Tire to Rear of Machine	8912 mm	351 in	**13** Width – Outside Front Tires	2511 mm	98.9 in
7 Length – Counterweight to Ripper	10 136 mm	399 in			

- Calculated with 14.0R24 Tires.

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

- Air cleaner, dual stage, dry type, diesel, with automatic engine derate and automatic dust ejector, service indicator through Cat Messenger
- Air-to-air after cooler (ATAAC)
- Belt, serpentine, automatic tensioner
- Brakes, oil disc, four-wheel, hydraulic
- Demand fan, hydraulic, swing-out
- Diesel exhaust fluid tank, 22.0 L (5.8 gal) ground level access, and sediment drain
- Differential Lock/Unlock, Automatic
- Drain, engine oil, ecology
- Economy mode
- Electronic over speed protection
- Engine, C9.3, U.S. EPA Tier 4 Final/ EU Stage V emission standards
- Fuel tank, 394 L (104 gal), ground level access and sediment drain
- Parking brake – multi-disc, sealed, oil-cooled
- Priming pump, fuel
- Rear axle, modular
- Sediment drain, fuel tank
- Tandem drive
- Transmission, 8F/6R, powershift, direct drive, Advanced Productivity Electronic Control Strategy (APECS)

ELECTRICAL

- Alarm, back up
- Alternator, 150 ampere, sealed
- Batteries, maintenance free, heavy duty, 1125 CCA
- Breaker panel, ground accessible
- Cab harness and electrical hydraulic valves
- Electrical system, 24V
- Grade Control Ready – Cab harness, software, electrical hydraulic valves, bosses and brackets
- Lights, roof-mounted roading, reversing, LED stop and tail
- Product Link
- Starter, electric

OPERATOR ENVIRONMENT

- Accelerator
- Air conditioning with heater
- Arm and wrist rest, electronically adjustable
- Articulation, automatic Return-to-Center
- Cat Messenger operator information system
- Centershift pin indicator
- Coat hook
- Cup holder
- Display, digital speed and gear
- Doors, left and right side with wiper
- Gauge, machine level
- Gauge cluster (analog) – fuel, articulation, engine coolant temp, engine RPM, hydraulic oil temp, regen, DEF
- Hour meter, digital
- Joystick hydraulic controls right/left blade lift with float position, circle drive, blade sideshift and tip, centershift, front wheel lean, articulation and power steering
- Joystick, adjustable armrests
- Joystick gear selection
- Joystick hydraulic power steering
- Ladders, cab, left and right side
- Lights, night time cab
- Mirror, inside rearview, wide angle
- Power port, 12V
- Radio Ready, Entertainment
- ROPS cab, sound suppressed 70 dB(A)
- Seat, cloth-covered, comfort suspension
- Seat belt, retractable 76 mm (3 in)
- Storage area for cooler/lunchbox
- Throttle control, electronic
- Windows, laminated glass:
  - fixed front with intermittent wiper
  - door with intermittent wipers (3)
- Windows: tempered
  - left and right side wipers
  - rear and intermittent wiper

FLUIDS

- Antifreeze
- Extended Life Coolant to –35° C (–30° F)

TIRES, RIMS AND WHEELS

- Partial allowance for tires on 254 × 607 mm (10 × 24 in) multi-piece rims is included in the base machine price and weight

OTHER STANDARD EQUIPMENT

- Accumulators, brake, dual certified
- Anti-glare paint
- Bumper, rear, integrated with hitch
- CD ROM Parts Book
- Clutch, circle drive slip
- Cutting edges
  - 152 × 16 mm (6 × 5/8 in)
  - curved DH-2 steel
  - 19 mm (3/4 in) mounting bolts
- Doors (3), engine compartment, locking
- Drawbar – 6 shoes, replaceable wear strips
- Electrical hydraulic valves, hydraulic lines for base 8 functions
- Endbits
  - 16 mm (5/8 in) DH-2 steel
  - 19 mm (3/4 in) mounting bolts
- Fluid check, ground level
- Frame, articulated, with safety lock
- Ground level engine shutdown
- Hammer (emergency exit)
- Horn, electric
- Hydraulic lines for base functions
- Lockout, hydraulic implement (for roading and servicing)
- Moldboard
- Mounting, cab roof accessories
- Pump, hydraulic, high capacity, 98 cm^3 (6 in^3)
- Radiator, cleanout access (both sides with swing doors)
- Secondary steering
- Serviceability, LH side
- S·O·S℠ ports: engine, hydraulic, transmission, coolant, fuel
- Tandem walkway/guards
- Tool box

160/160 AWD Motor Graders

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

	kg*	lb*
ELECTRICAL		
• Alternator, 280 ampere	2	5
• Batteries:		
– extreme duty, 1,400 CCA	14	30
• Lights:		
– Headlights, high	38	84
– Headlights, low	35	77
– Working lights, basic	9	20
– Working lights, plus, LED	10	22
– Warning: beacon or strobe	2	5
– Mounting for warning light	5	11
GUARDS		
• Articulation guard	5	11
• Fenders, front	121	266
• Fenders, front, AWD	56	124
• Fenders, rear	156	344
• Front axle guard	13	30
• Sound suppression (bottom)	110	243
• Sound suppression (enclosure)	15	33
• Transmission	141	311
OPERATOR ENVIRONMENT		
• Mirrors, outside:		
– heated 24V	15	33
– mounted	15	33
• Comfort Plus Arrangement	2	4
• Comfort Premium Arrangement	3	7

	kg*	lb*
POWER TRAIN		
• All Wheel Drive	892	1,967
• Precleaner, snow	2	5
• Starter, extreme duty, 1,000 Amps	22	48
• Transmission, autoshift	2	5
OTHER ATTACHMENTS		
• Auto Articulate		
• Stable Blade		
• Cat GRADE		
– Digital Blade Slope Meter		
– Cross Slope Indicate		
– Cross Slope		
– Cat Production Measurement		
– Attachment Ready Option (ARO)		
• Accumulators, blade lift	55	121
• Camera, rearview	9	20
• Cat Product Link 321SR	13	29
• Cat Product Link 522	13	29
• Drain, ecology, engine Wiggins	2	5
• Heater, engine coolant:		
– 120V	1	3
– 240V	1	3
• Hydraulic arrangements with one or more additional hydraulic valves are available for rear ripper, dozer, snow plow and snow wing.		
• Snow wing mounting, frame ready	91	200
• Starting aid, ether	0.5	1
• Reversing fan, manual or automatic	6	13

	kg*	lb*
WORK TOOLS/G.E.T.		
• Blade extension, left hand, 610 mm (2 ft)	113	249
• Blade extension, right hand, 610 mm (2 ft)	113	249
• Counterweight	427	939
• Cutting edges, curved	43	95
• Endbits, overlay	24	52
• Front lift group, mounting	5	11
• Front lift group, mechanical	680	1,500
• Grader bit, narrow and super penetration	181	400
• Mid-Mount Scarifier, Package	917	2,017
• Moldboard		
– 4267 mm × 610 mm × 22 mm (14 ft × 24 in × 7/8 in)	147	323
– 4267 mm × 686 mm × 25 mm (14 ft × 27 in × 1 in)	284	625
– 4877 mm × 686 mm × 25 mm (16 ft × 27 in × 1 in)	472	1,040
• Push plate	1285	2,833
• Ripper, rear	1042	2,292
• Ripper tooth	28	61
• Scarifier, front	434	956
• Snow Arrangement	161	355
• Snow Wing Ready Package	119	262
• Tow hitch	53	116
MACHINE ARRANGEMENTS		
• Canadian Arrangement	2	4
• European Arrangement	289	637
• TUV Roading Arrangement	451	994

*Weights shown are to be added to the standard configuration when option is chosen.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

AEHQ7068-03 (12-2019)
Replaces AEHQ7068-02
Build Number: 15A
(North America, Europe)

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