VOLVO MOTOR GRADERS

G930



MORE CARE. BUILT IN.



SPECIFICATIONS

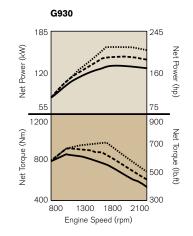
		G930
Base operating weight - approximate		
Weights shown include enclosed low profile cab with ROPS, all opera	ting fluids,	
operator and standard equipment.		
Base - Total	kg (lb)	15 800 (34,830)
On front wheels	kg (lb)	4 700 (10,360)
On rear wheels	kg (lb)	11 100 (24,470)
Maximum combined capacity	kg (lb)	19 280 (42,500)
Maximum weight - front	kg (lb)	7 570 (16,700)
Maximum weight - rear	kg (lb)	14 240 (31,400)
Note that adding weight and attachments to the base grader may nec	cessitate a tire upgrade as n	maximum weight capacity of tire may
be exceeded.		
Productivity (Standard equipment)		
Blade pull at base weight (0.9 traction co-efficient)	kg (lb)	9 990 (22,023)
Blade pull at maximum base weight (0.9 traction co-efficient)	kg (lb)	12 816 (28,260)
Blade down force capability	kg (lb)	8 188 (18,021)
Blade down force is the maximum downward force which may be app	lied at the cutting edge.	
Engine data		
Model		Volvo D7E
Turbocharged, aftercooled with replaceable wet-type cylinder liners.		
No. of cylinders		In Line 6
Bore & stroke	mm (in)	108 x 130 (4.25 x 5.12)
Displacement	l (cu in)	7,2 (436)
Engine certified to US EPA Tier 3/EU Stage IIIA exhaust emission st	andards.	
Electrical system		24 volt - 1920 watt
		(80 amp) alternator
Batteries (two 12 volt) maintenance free, heavy duty		760 CCA 170 RC
Two 12 volt 1125 CCA (195 RC) or1300 CCA (385 RC) batteries av	ailable optionally.	

Engine performance curve

High Range
Mid Range
Base Power

Engine Power

Engine Torque



		G930
3 Range engine power control		
Base range power		
Rated net brake horsepower @ 1900 RPM§	kW (hp)	115 (155)
Torque	N.m (lb.ft)	906 (668) @1200
Mid range power		
Rated net brake horsepower @ 1900 RPM§	kW (hp)	130 (175)
Torque	N.m (lb.ft)	915 (675) @1400
High range power		
Rated net brake horsepower @ 2100 RPM§	kW (hp)	145 (195)
Maximum net horsepower @ 1800 RPM	kW (hp)	154 (204)
Torque	N.m (lb.ft)	928 (684) @1550
Engine de-rating at 3 000 m (9,800 ft) altitude		None
Rated net horsepower SAE J1349/ISO 9249		

[§]Optional, operator controlled Power / Speed Engine Mode allows 2100 RPM in Base and Mid power ranges. Not available in the European Union.

Transmission

Fully sequential, direct drive, Volvo powershift transmission. Engine cannot be started if transmission is in gear. Single lever electronic transmission controller provides self-diagnostics and overspeed protection. Optional HTE1160 has automatic shifting and travel mode as standard equipment.

Approximate values - ground speeds may vary based upon tire brand

Transmission	HTE840	8-Speed		HTE1160	11-Speed
Tire Size	14:00	17.5		14:00	17.5
Gear @ RPM	km/h (mph)	km/h (mph)	Gear @ RPM	km/h (mph)	km/h (mph)
F1 @ 1900	3,8 (2.4)	3,8 (2.4)	F1 @ 1900	3,0 (1.9)	2,9 (1.8)
F2 @ 1900	5,3 (3.3)	5,3 (3.3)	F2 @ 1900	3,9 (2.4)	3,8 (2.4)
F3 @ 1900	7,5 (4.7)	7,4 (4.6)	F3 @ 1900	5,2 (3.2)	5,1 (3.2)
F4 @ 1900	10,5 (6.5)	10,3 (6.5)	F4 @ 1900	6,7 (4.2)	6,6 (4.1)
F5 @ 1900	14,9 (9.3)	14,7 (9.2)	F5 @ 1900	8,8 (5.5)	8,7 (5.4)
F6 @ 2100	20,8 (13.0)	20,5 (12.8)	F6 @ 1900	11,4 (7.1)	11,2 (7.0)
F7 @ 2100	32,2 (20.1)	31,8 (19.9)	F7 @ 1900	16,6 (10.4)	16,4 (10.3)
F8 @ 2100	44,9 (28.1)	44,4 (27.7)	F8 @ 2100	22,2 (13.9)	21,9 (13.7)
			F9 @ 2100	28,8 (18.0)	28,4 (17.8)
			F10 @ 2100	37,7 (23.6)	37,2 (23.3)
			F11 @ 2100	48,8 (30.5)	48,2 (30.1)
R1 @ 1900	3,8 (2.3)	3,7 (2.3)	R1 @ 1900	2,9 (1.8)	2,9 (1.8)
R2 @ 1900	7,4 (4.6)	7,3 (4.5)	R2 @ 1900	5,1 (3.2)	5,0 (3.1)
R3 @ 1900	14,6 (9.1)	14,4 (9.0)	R3 @ 1900	8,6 (5.4)	8,5 (5.3)
R4 @ 2100	31,6 (19.8)	31,2 (19.5)	R4 @ 1900	12,6 (7.9)	12,5 (7.8)
			R5 @ 2100	21,8 (13.6)	21,5 (13.5)
			R6 @ 2100	37,1 (23.2)	36,6 (22.9)

	Transmis	sion Gear
Engine Power Range	Volvo HTE840	Volvo HTE1160
Base	F1, F2 R1	F1, F2, F3 R1, R2
Mid	F3, F4, F5 R2, R3	F4, F5, F6, F7 R3, R4
High	F6, F7, F8 R4	F8, F9, F10, F11 R5, R6

		G930
Tandems		
Depth	mm (in)	226,5 (8.9)
Height	mm (in)	616 (24.25)
Thickness		
inner wall	mm (in)	25 (1)
outer wall	mm (in)	20 (.78)
Center distance	mm (in)	1 550 (61)
Drive chain pitch	mm (in)	51 (2)
Oscillation	degrees ±	15°
Differential / Final drive Model		Volvo APR70
Planetary final reduction with an operator controlled wet multiple disc	: lock/unlock differential.	
Wheels & tires (Standard equipment)		
Tire size		14:00 x 24, G-2
Ply rating (PR)		12
Rim size	mm (in)	223 (9) One piece rin
Bolt-on rims interchangeable between front and rear		Yes
Front axle and articulation		
Wheel lean	degrees R & L	18°
Oscillation	degrees up & down	16°
Ground clearance	mm (in)	610 (24)
Minimum turning radius using front axle steering, articulation, wheel lean and unlocked differential	mm (ft)	7 265 (23'10")
Steering arc	degrees	50°
Frame articulation angle	degrees	23°
Anti-drift lock valve ensures stable operation. Articulation lock standa	rd.	
Hydrostatic power steering of front wheels incorporating two steering	cylinders. Meets SAE J1511 I	FEB. 94, ISO 5010:1992,

Service Brakes: Foot operated

Fade resistant, hydraulically actuated, wet multiple disc service brakes located at the 4 tandem drive wheels are fully sealed and maintenance free. System features crossover dual braking circuits for uniform braking on both sides of the grader. Includes reserve power assist and operator warning system (visual and audible).

Spring applied hydraulically released enclosed wet multiple disc type parking brake in final drive.

Effective on all 4 tandem drive wheels.

Transmission cannot be engaged with park brake on.

Braking systems comply to SAE J/EN ISO 3450:1996.

Volvo uses asbestos free brake components.

Front Frame Fabricated – Robotically welded Minimum dimensions of box section	mm (in)	
	mm (in)	
	111111 (111)	265 x 340 (10.5 x 13.5)
Plate thickness sides, top & bottom	mm (in)	20 (.79)
Vertical section modulus at arch	cm³ (cu in)	1 950 (119)
minimum	cm³ (cu in)	1 663 (101)
maximum	cm³ (cu in)	3 474 (212)
Rear Frame - Full perimeter type		
Minimum dimensions of side rail	mm (in)	254 x 100 (10 x 4)
Side plate thickness	mm (in)	9,6 (.38)
Optional first user lifetime warranty on frame, includes maintenance free	articulation pins and bear	ings.
Moldboard		
Standard moldboard with replaceable end bits	mm	22 x 635 x 3 658
	(in)	(.87 x 25 x 12')
Moldboard material		SAE 1050 high carbon steel
Edge: through hardened	mm (in)	152 x 16 (6 x 5/8) boron steel
Bolt spacing	mm (in)	152 (6)
Bolt size	mm (in)	16 (5/8)
Slide rails supported by Duramide™ bearings		YES
Moldboard range: Moveable Blade Control System		
(Dimensions shown with standard 14:00 tires and moldboard)		Left/Right
Reach outside tires - articulated frame	mm	3 048/3 035
	(in)	(120/119.5)
Reach outside tires - straight frame	mm	2 020/2 010
	(in)	(80/79)
Moldboard slide	mm	673/673
	(in)	(26.5/26.5)
Circle side shift	mm	775/749
	(in)	(30.5/29.5)
Maximum bank sloping angle, left - right	degrees	90°/90°
7 Position Blade Control system linkage		YES
Moldboard ground clearance	mm (in)	445 (17.5)
Moldboard cutting depth	mm (in)	790 (31)
Moldboard tilt range	degrees forward	47°
	degrees back	5°
Superior moldboard mobility permits steep ditch cutting angles and back	sloping outside overall m	achine width.

		G930
Circle		
Pitch diameter	mm (in)	1 626 (64)
Thickness	mm (in)	32 (1.25)
Adjustable guide shoes - standard / optional		3/5
Adjustable clamp plates - standard / optional		3/5
Upper circle wear plates - standard / optional		3/5
Circle to drawbar support is provided by Duramide™ wear	plates and bearings at the clamp and guid	e shoes. Duramide™ prevent

Circle to drawbar support is provided by Duramide™ wear plates and bearings at the clamp and guide shoes. Duramide™ prevents metal-to-metal contact and provides maximum service life.

Circle drive

The Volvo dual gear Circle Drive System uses direct acting hydraulic power for exceptional turning and holding capability under full load. Circle Drive System uses two hardened drive pinions and is protected against impact damage by an overload relief valve as standard equipment.

Rotation	degrees	360°
Drawbar		
Dimensions of box section	mm (in)	165 x 165 (6.5 x 6.5)
Plate thickness	mm (in)	25 & 19 (1 & .75)

Cab & controls

Low profile cab with ROPS/FOPS

Interior height mm (in) 1 620 (64)

An optional full height cab is available with an inside height of 1 837 mm (72.5").

All Volvo Grader cabs and canopies are designed to meet or exceed SAE J/ISO 3471-1:2004 and EN 13510:2000 ROPS requirements and SAE J/ISO 3449:2005 Level 2 FOPS requirements.

The retractable seatbelt is 76 mm (3") wide and meets SAE J386 NOV. 97 and EN ISO 6683:1999. Industry standardized control lever arrangement.

Interior operator noise levels average 72 dB(A) per ISO 6394:1998 (enclosed cab).

Implement hydraulics

Circuit type: Closed center, load sense Proportional Demand Flow (PDF) Hydraulic System, with O-ring face seal hose connections.

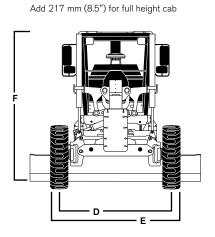
Main implement pump type		Axial piston type
Maximum pressure	Bar (psi)	207 (3,000)
Output 2100 RPM	lpm (gpm)	208 (55)
Stand by pressure	Bar (psi)	24 (350)

Large capacity, replaceable in-tank filter. Filters both system and re-fill oil. Low level and high temperature operator warning.

Hydraulic fan drive pump

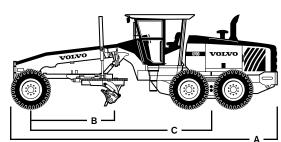
Separate axial piston pump dedicated to the variable speed cooling fan. Reversible cooling fan optionally available.

				G930		
Capacities						
Fuel tank		1	(U.S. Gal.)	340 (90)		
Transmission		1	(U.S. Gal.)	61 (16)		
Final drive		I	(U.S. Gal.)	22,7 (6)		
Tandems (each)		I	(U.S. Gal.)	100 (26.4)		
Hydraulic oil tank		I	(U.S. Gal.)	91 (24)		
Coolant antifreeze protection to -50° C (-58° F) approx		1	(U.S. Gal.)	31 (8.2)		
Engine oil		I	(U.S. Gal.)	21,5 (5.7)		
Attachments						
(Optional unless otherwise stated as standard equipment)						
Push Block			kg (lb)	515 (1,138)		
Ripper includes rear frame arch support and links			kg (lb)	1 495 (3,295)		
Mid Mount Scarifier			kg (lb)	905 (1,995)		
Front Mount Scarifier			kg (lb)	715 (1,575)		
Dozer: 2,4 m (8')			kg (lb)	1 080 (2,380)		
2,7 m (9')			kg (lb)	1 140 (2,515)		
Dimensions						
All dimensions are approximate.	Α		mm (in)	8 930 (352)		
Legend	В		mm (in)	2 675 (105)		
A = Overall length	С		mm (in)	6 280 (247)		
A = Overall length B = Bladebase per ISO 7134	D		mm (in)	2 076 (82)		
C = Wheelbase D = Width - Front tire center lines	Е	14:00 17.5	mm (in) mm (in)	2 537 (100) STD 2 717 (107)		



 $\mathsf{E} = \mathsf{Width}$ - Outside tires

 $\mathsf{F} = \mathsf{Overall}$ height with Low Profile Cab



mm (in)

3 225 (127)

STANDARD FEATURES / OPTIONAL EQUIPMENT

Model (S - Standard / O - Optional)	G930	G940	G946	G960	G970	G976	G990
Powertrain	•						
Volvo engines are certified to US Tier 3/EU Stage IIIA emission criteria	S	S	S	S	S	S	S
Rear axle, operator controlled, lock/unlock differential with planetary final reduction	S	S	S	S	S	S	S
4 wheel wet disc braking system with crossover dual circuits and reserve power assist	S	S	S	S	S	S	S
Spring applied wet multiple disc park brake with operator warning alarm and indicator	s	S	S	S	S	S	S
Electronic hand throttle with RPM hold and resume functions	s	S	S	S	S	S	S
Operator controlled Power/Speed engine mode (N/A in the European Union)	0	0	0	0	0	0	0
Direct drive, power shift Volvo HTE840 transmission with 8 forward and 4 reverse gears	S	S	S	S	S	S	S
Single transmission control lever, with electronic over speed protection, advanced	s	S	S	S	S	S	S
memory shift and park position lockout with hinged transmission guard							
Transmission Autoshift and Travel functions	0	0	0	0	0	0	0
Direct Forward to Reverse shuttle shift capability without using the Inching pedal	S	S	S	S	S	S	S
Volvo HTE1160 Transmission - 11 speeds forward 6 speeds reverse includes Autoshift and travel functions	0	0	0	0	0	0	0
Hydraulically driven – variable speed cooling fan	s	S	s	S	S	S	S
Reversible cooling fan - manual or automatic modes	1 0	0	0	0	0	0	0
Automatic engine protection lowers engine torque and speed if critical conditions occur	s	S	S	S	S	S	S
Electrical							
Cab mounted headlights with dimmer switch	S	S	S	S	S	S	S
Lights; backup, tail, stop and directional	S	S	S	S	S	S	S
Backup alarm 112 dB(A)	S	S	S	S	S	S	S
Moldboards work lights - 2 or 4	0	0	0	0	0	0	0
Rear work lights - 2 or 4	0	0	0	0	0	0	0
Corner cab work lights - left or right - 2	0	0	0	0	0	0	0
2460 watt (110 amp) alternator	0	0	0	0	0	0	0
24 volt to 12 volt converter - 600 or 1440 watt (30 or 60 amp) with power point	0	0	0	0	0	0	0
Productivity	•				•		
Heavy duty circle support system	0	0	0	0	0	0	S
Metallic lower moldboard slide bearing	0	0	0	0	0	0	S
Hinged cooling module fan door for easy trash clean out	S	S	S	S	S	S	S
Ground level fueling	S	S	S	S	S	S	S
Lockable tool box with storage space for scarifier shanks	S	S	S	S	S	S	S
Brackets for Automatic Blade Control System installation	0	0	0	0	0	0	0
Under side rear guards	0	0	0	0	0	0	0
Parts and Service Manual on CD - English only	0	0	0	0	0	0	0
Front fenders/lean and steer with tire - plastic	0	0	0	0	0	0	0
Rear fenders - oscillates with tandem - steel	0	0	0	0	0	0	0
Hydraulics							
Proportional Demand Flow hydraulic system with short throw, low effort control levers	S	S	S	S	S	S	S
10 section hydraulic control valve - includes two spare sections with levers	S	S	S	S	S	S	S
Circle turn relief located integral with main manifold	S	S	S	S	S	S	S
Hydraulic oil level monitor via Contronics	S	S	S	S	S	S	S
Blade Lift Float Control, independent right and left detent style	0	0	0	0	0	0	0
Front attachment float control, detent style, independent of other float valves	0	0	0	0	0	0	0
Up to 5 additional remote valve locations for attachments	0	0	0	0	0	0	0
Blade lift accumulators – operator controlled from cab	S	S	S	S	S	S	S
Secondary steering (power assisted)	0	0	0	0	0	0	0
Other	_						
First user lifetime frame warranty – includes articulation pins and bearings	0	0	0	0	0	0	0
Low ambient fluids for extreme cold conditions below -10° C (-14° F)	0	0	0	0	0	0	0
Sound reduction packages (Standard in EU markets)	0	0	0	0	0	0	0
Rear licence plate bracket	0	0	0	0	0	0	0
Air compressor - engine driven with tank capable of operating hand tools	0	0	0	0	0	0	0
Volvo CareTrack - remote monitoring system	0	0	0	0	0	0	0

Model (S - Standard / O - Optional)				G930	G940	G946	G960	G970	G976	G990
Operator Cab								-		
Two lockable operator cab doors complete with inside an	d ground l	evel releases		S	S	S	S	S	S	S
Illuminated entry when cab doors are opened - enclosed	-			S	S	S	S	S	S	S
Adjustable steering control pedestal with tilt head for max		erator comfort		S	S	S	S	S	S	S
Gauges include: coolant temperature, engine oil pressure articulation angle indicator	, fuel leve	l, hourmeter,		S	S	S	S	S	S	S
Multi-function Volvo Contronic Monitoring System with vis	sual and a	udible warning	gs	S	S	S	S	S	S	s
Deluxe, cloth covered, fully adjustable suspension seat war an enclosed cab - 75 mm (3") retractable seatbelt	nen grade	r is equipped	with	S	S	S	S	S	S	S
Deluxe air suspension, cloth covered, fully adjustable sus 75 mm (3") retractable seatbelt	pension se	eat -		0	0	0	0	0	0	0
Left and right outside dual rear view mirrors				S	S	S	S	S	S	S
Fold-away left and right outside dual rear view mirrors				0	0	0	0	0	0	0
Heated outside left and right dual rear view mirrors				0	0	0	0	0	0	0
Dual interior rear view mirrors				S	S	S	S	S	S	S
Enclosed Low Profile Cab with ROPS and FOPS - left ar	nd right ca	lb door with st	teps	S	S	S	S	S	S	S
Enclosed High Profile Cab with ROPS and FOPS - left a	nd right c	ab door with s	teps	0	0	0	0	0	0	0
Low Profile canopy shell (SPLIT) with ROPS - left and right	ght entry v	with steps		0	0	0	0			
Cab heater - 50,000 BTU with cab pressurizer and replace	eable filte	ers, 10 outlets		S	S	S	S	S	S	S
Air conditioner - 35,000 BTU • HFC-134a (non-CFC refe	igerant) v	vith cab heate	r	0	0	0	0	0	0	0
Defroster fan with 5 outlets directed at front windows and	d doors			0	0	0	0	0	0	0
Radio/CD player with 4 concealed speakers in head line				0	0	0	0	0	0	0
Single arm front cab wiper and washer, enclosed cab				S	S	S	S	S	S	S
Single arm wiper and washer - rear window				0	0	0	0	0	0	0
Single arm wiper and washer - lower windows front left &	. right			0	0	0	0	0	0	0
Dual arm front windshield, increased coverage, Low Profi	e Cab onl	у		0	0	0	0	0	0	0
Intermittent wipers on all wipers ordered				0	0	0	0	0	0	0
Window - lower front - opening				0	0	0	0	0	0	0
Window - left/right side - opening sliders with multiple po	sition ope	nings		0	0	0	0	0	0	0
Lower cab shield, encloses bottom of cab to frame				0	0	0	0	0	0	0
						_				
Model (S - Standard / O - Optional)		C030	G940	G9/6		C960	G970	Go.	76	
Model (S - Standard / O - Optional) Tires and Pims - Availability and approximate weight in	crease fro	G930	G940	G946	3	G960	G970	G 97	76	G990
Tires and Rims - Availability and approximate weight in	crease fro			G946	3	G960	G970	G 97	76	
Tires and Rims - Availability and approximate weight incomes - Consult your Volvo dealer for full offering	crease fro	m base opera	ting weight							
Tires and Rims - Availability and approximate weight inc Tires - Consult your Volvo dealer for full offering 14:00 x 24 Bias		m base opera	ting weight	S		S	S	S		
Tires and Rims - Availability and approximate weight inc Tires - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial	kg (lb)	m base opera S 185 (410)	sting weight S 185 (410)	S 185 (41	0) 18	S 85 (410)	S 185 (410)	S 185 (4	410)	
Tires and Rims - Availability and approximate weight inc Tires - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias	kg (lb)	s 185 (410) 120 (265)	s 185 (410) 120 (265)	S 185 (41 120 (26	0) 18	S 85 (410) 20 (265)	S 185 (410) 120 (265)	S 185 (4	410)	
Tires and Rims - Availability and approximate weight income Tires - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial	kg (lb) kg (lb) kg (lb)	m base opera S 185 (410)	sting weight S 185 (410)	S 185 (41	0) 18	S 85 (410)	S 185 (410) 120 (265) 280 (615)	S 185 (4 120 (2 1 280 (4	410) 265)	G990
Tires and Rims - Availability and approximate weight income Tires - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias	kg (lb) kg (lb) kg (lb) kg (lb)	s 185 (410) 120 (265) 280 (615)	s 185 (410) 120 (265)	S 185 (41 120 (26	0) 18	S 85 (410) 20 (265)	S 185 (410) 120 (265) 280 (615) 310 (685)	S 185 (4 120 (2 120 (2 120 (2 1310 (6	410) 265) 615)	G990
Tires and Rims - Availability and approximate weight incomplete and Rims - Availability and approximate weight incomplete and the second of th	kg (lb) kg (lb) kg (lb) kg (lb)	s 185 (410) 120 (265) 280 (615)	s 185 (410) 120 (265)	S 185 (41 120 (26	0) 18	S 85 (410) 20 (265)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125)	S 185 (4 120 (2 280 (6 310 (6	410) 265) 615) 685) ,125) 2	G990 S 200 (440)
Tires and Rims - Availability and approximate weight income and Rims - Availability and approximate weight income and reference and reference are supported by the second	kg (lb) kg (lb) kg (lb) kg (lb) kg (lb)	s 185 (410) 120 (265) 280 (615)	s 185 (410) 120 (265)	S 185 (41 120 (26	0) 18	S 85 (410) 20 (265)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980)	S 185 (4 120 (3 280 (4 310 (4 510 (1	410) 265) 615) 685) ,125) 2	S 200 (440) 130 (285)
Tires and Rims - Availability and approximate weight incommendation of the control of the contro	kg (lb) kg (lb) kg (lb) kg (lb)	s 185 (410) 120 (265) 280 (615)	s 185 (410) 120 (265)	S 185 (41 120 (26	0) 18	S 85 (410) 20 (265)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125)	S 185 (4 120 (3 280 (4 310 (4 510 (1	410) 265) 615) 685) ,125) 2	G990 S 200 (440)
Tires and Rims - Availability and approximate weight incomplete and Rims - Availability and approximate weight incomplete and Rims - Availability and approximate weight incomplete and Rims - Consult your Volvo dealer for full offering 14:00 x 24 Bias 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Radial Rims	kg (lb) kg (lb) kg (lb) kg (lb) kg (lb)	s 185 (410) 120 (265) 280 (615)	s 185 (410) 120 (265)	S 185 (41 120 (26	0) 18	S 85 (410) 20 (265)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980)	S 185 (4 120 (3 280 (4 310 (4 510 (1	410) 265) 615) 685) ,125) 2	S 200 (440) 130 (285)
Tires and Rims - Availability and approximate weight incomplete and Rims - Availability and approximate weight incomplete and Rims - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece	kg (lb) kg (lb) kg (lb) kg (lb) kg (lb) kg (lb)	m base opera S 185 (410) 120 (265) 280 (615)	ting weight S 185 (410) 120 (265) 280 (615) S S	S 185 (41 120 (26	0) 18	S 85 (410) 90 (265) 80 (615)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125 445 (980) 605 (1,335	S 185 (4 120 (3 280 (4 310 (4 510 (1	410) 265) 615) 685) ,125) 2	S 200 (440) 130 (285) 295 (650)
Tires and Rims - Availability and approximate weight incidence of the consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Bias 16:00 x 25 Bias 16:00 x 25 Bias 20.5 x 25 Bias 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") one-piece	kg (lb)	m base opera S 185 (410) 120 (265) 280 (615) S S 25 (55)	ting weight S 185 (410) 120 (265) 280 (615) S S 25 (55)	S 185 (41 120 (26 280 (61	0) 18	S 85 (410) 90 (265) 80 (615)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S	SS 185 (4	410) 265) 615) 685) ,125) 2	S 200 (440) 130 (285) 295 (650)
Tires and Rims - Availability and approximate weight ind Tires - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") three-piece	kg (lb)	m base opera S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440)	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440)	S 185 (41 120 (26 280 (61	0) 18	S 85 (410) 20 (265) 80 (615) S 85 (385)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385)	SS 185 (4) 120 (2) 280 (4) 310 (1) 510 (1)	410) 265) 615) 685) ,125) 2	S 200 (440) 130 (285) 295 (650)
Tires and Rims - Availability and approximate weight ind Tires - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") three-piece 330 x 635 mm (13" x 25") one-piece	kg (lb)	m base opera S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230)	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230)	S 185 (41 120 (26 280 (61 8 8 105 (23	0) 18	S 85 (410) 20 (265) 30 (615) S 85 (385) 95 (230)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230)	SS 185 (4) 120 (2) 120	410) 265) 615) 685) 1 1 2 2 2 3 3 3 3 3 3 3	S 200 (440) 130 (285) 295 (650)
Tires and Rims - Availability and approximate weight ind Tires - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") one-piece 330 x 635 mm (13" x 25") one-piece 356 x 635 mm (14" x 25") three-piece	kg (lb)	m base opera S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440)	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440)	S 185 (41 120 (26 280 (61	0) 18	S 85 (410) 20 (265) 80 (615) S 85 (385)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230) 330 (725)	SS 120 (:	410) 265) 615) 685) 1125) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S 200 (440) 130 (285) 295 (650) S 175 (385)
Tires and Rims - Availability and approximate weight income and Rims - Availability and approximate weight income and the state of the	kg (lb)	s S 25 (55) 200 (440) 105 (230) 330 (725)	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725)	S 185 (41 120 (26 280 (61 8 8 105 (23	0) 18	S 85 (410) 20 (265) 30 (615) S 85 (385) 95 (230)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230)	SS 120 (:	410) 265) 615) 685) 1125) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S 200 (440) 130 (285) 295 (650)
Tires and Rims - Availability and approximate weight incomplete and Rims - Availability and approximate weight incomplete and Rims - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") one-piece 254 x 610 mm (10" x 24") three-piece 330 x 635 mm (13" x 25") one-piece 356 x 635 mm (14" x 25") three-piece 432 x 635 mm (17" x 25") three-piece	kg (lb)	s S 25 (55) 200 (440) 105 (230) 330 (725)	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725)	S 185 (41 120 (26 280 (61 8 8 105 (23	0) 18	S 85 (410) 20 (265) 30 (615) S 85 (385) 95 (230)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230) 330 (725)	SS 120 (:	410) 265) 615) 685) 1125) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S 200 (440) 130 (285) 295 (650) S 175 (385)
Tires and Rims - Availability and approximate weight incomplete and Rims - Availability and approximate weight incomplete and Rims - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") one-piece 254 x 610 mm (10" x 24") three-piece 330 x 635 mm (13" x 25") one-piece 356 x 635 mm (14" x 25") three-piece 432 x 635 mm (17" x 25") three-piece Moldboards - Availability and approximate weight incress	kg (lb)	m base opera m base operating S	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725) g weight S	S 185 (41 120 (26 280 (61 14 15 15 15 15 15 15 15 15 15 15 15 15 15	0) 18 55) 12 5) 28 17 17 30) 10 25) 33	S 85 (410) 20 (265) 30 (615) S 5 (385) 5 (385) 5 (230) 80 (725)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230) 330 (725)	SS 120 (:	410) 265) 615) 685) 1125) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S 200 (440) 130 (285) 295 (650) S 175 (385)
Tires and Rims - Availability and approximate weight incomplete in	kg (lb)	s S (25 (55) 200 (440) 105 (230) 330 (725) 24 (120)	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725) g weight S 54 (120)	S 185 (41 120 (26 280 (61 280 (61 S 105 (23 330 (72	0) 18 55) 12 5) 28 17 80) 10 25) 33	S 85 (410) 20 (265) 80 (615) S 5 (385) 95 (230) 80 (725) S 4 (120)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230) 330 (725)	SS 120 (:	410) 265) 615) 685) 1125) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S 200 (440) 130 (285) 295 (650) S 175 (385)
Tires and Rims - Availability and approximate weight indifference - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Radial 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") one-piece 254 x 610 mm (10" x 24") three-piece 330 x 635 mm (13" x 25") one-piece 356 x 635 mm (14" x 25") three-piece 432 x 635 mm (17" x 25") three-piece 432 x 635 mm (17" x 25") three-piece 432 x 635 x 22 mm (12' x 25" x 7/8") 3 962 x 635 x 22 mm (13' x 25" x 7/8") 4 267 x 635 x 22 mm (14' x 25" x 7/8")	kg (lb)	s S 25 (55) 200 (440) 105 (230) 330 (725) sase operating S 54 (120) 110 (240)	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725) weight S 54 (120) 110 (240)	S 185 (41 120 (26 280 (61 280 (61 5 105 (23 330 (72 5 54 (12) 110 (24	0) 18 55) 12 5) 28 17 80) 10 25) 33	S 85 (410) 20 (265) 30 (615) S S (5 (385) 35 (230) 30 (725) S 4 (120) 0 (240)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230) 330 (725) 320 (705)	S S 185 (4) 120 (2) 280 (4) 310 (4) 510 (1)	410) 265) 615) 685) 125) 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	S 200 (440) 130 (285) 295 (650) S 175 (385)
Tires and Rims - Availability and approximate weight indifference - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Bias 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Bias 20.5 x 25 Bias 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") one-piece 254 x 610 mm (10" x 24") three-piece 330 x 635 mm (13" x 25") one-piece 356 x 635 mm (14" x 25") three-piece 432 x 635 mm (17" x 25") three-piece 432 x 635 mm (17" x 25") three-piece 432 x 635 x 22 mm (12' x 25" x 7/8") 3 962 x 635 x 22 mm (13' x 25" x 7/8") 4 267 x 635 x 22 mm (14' x 25" x 7/8") 3 658 x 737 x 25 mm (12' x 29" x 1")	kg (lb)	s 185 (410) 120 (265) 280 (615) 25 (55) 200 (440) 105 (230) 330 (725) 25 (120) 110 (240) N/A	s S 25 (55) 200 (440) 105 (230) 330 (725) S 4 (120) 110 (240) 120 (265)	S 185 (41 120 (26 280 (61 185 (41 120 (26 185 (41 120 (26 185 (41 120 (26 180 (41 120 (26 180 (41 120 (41 120 (26 180 (41 120	0) 18 55) 12 5) 28 17 30) 10 25) 33 0) 55 40) 11	S 85 (410) 20 (265) 30 (615) S S S (5 (385) 30 (725) S 4 (120) 0 (240) 20 (265)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230) 330 (725) 320 (705)	SS 185 (4 120 (2 120)))))))))))))))))))))}))))}	410) 265) 615) 685) 1 1,125) 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	S 200 (440) 130 (285) 295 (650) S 175 (385)
Tires and Rims - Availability and approximate weight incres - Consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17.5 x 25 Bias 17.5 x 25 Radial 16:00 x 24 Radial 20.5 x 25 Bias 20.5 x 25 Bias 20.5 x 25 Radial Rims 229 x 610 mm (9" x 24") one-piece 254 x 610 mm (10" x 24") one-piece 254 x 610 mm (10" x 24") one-piece 330 x 635 mm (13" x 25") one-piece 356 x 635 mm (14" x 25") three-piece 432 x 635 mm (17" x 25") three-piece 432 x 635 mm (17" x 25") three-piece 432 x 635 x 22 mm (12' x 25" x 7/8") 3 962 x 635 x 22 mm (12' x 25" x 7/8") 3 658 x 737 x 25 mm (12' x 29" x 1") 3 962 x 737 x 25 mm (12' x 29" x 1")	kg (lb)	s 185 (410) 120 (265) 280 (615) 280 (615) 25 (55) 200 (440) 105 (230) 330 (725) 205 (4120) 110 (240) N/A N/A N/A	s (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725) S 4 (120) 110 (240) 120 (265) 185 (410)	S 185 (41 120 (26 280 (61 185 (41 120 (26 185 (41 120 (26 185 (41 185	0) 18 55) 12 5) 28 17 17 80) 10 25) 33 0) 5 40) 11 65) 12 0) 18	S 85 (410) 20 (265) 30 (615) S 8 (5 (385) 95 (230) 30 (725) S 4 (120) 0 (240) 20 (265) 95 (410)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125 445 (980) 605 (1,335 S 175 (385) 105 (230) 330 (725) 320 (705)	SS 120 (1	410) 265) 615) 685) 125) 2 2 2 3 3 3 3 3 3 3	S 200 (440) 130 (285) 295 (650) S 175 (385)
Tires and Rims - Availability and approximate weight incomplete in the consult your Volvo dealer for full offering 14:00 x 24 Bias 14:00 x 24 Radial 17:5 x 25 Bias 17:5 x 25 Radial 16:00 x 24 Radial 16:00 x 24 Radial 20:5 x 25 Bias 20:5 x 25 Bias 20:5 x 25 Radial 20:5 x 25 Bias 20:5 x 25 Radial	kg (lb)	s 185 (410) 120 (265) 280 (615) 25 (55) 200 (440) 105 (230) 330 (725) 25 (120) 110 (240) N/A	s S 25 (55) 200 (440) 105 (230) 330 (725) S 4 (120) 110 (240) 120 (265)	S 185 (41 120 (26 280 (61 185 (41 120 (26 185 (41 120 (26 185 (41 120 (26 180 (41 120 (26 180 (41 120 (41 120 (26 180 (41 120	0) 18 55) 12 5) 28 17 17 80) 10 25) 33 0) 5 40) 11 65) 12 0) 18	S 85 (410) 20 (265) 30 (615) S S S (5 (385) 30 (725) S 4 (120) 0 (240) 20 (265)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230) 330 (725) 320 (705)	SS 120 (1	410) 265) 615) 685) 125) 2 2 2 3 3 3 3 3 3 3	S 200 (440) 130 (285) 295 (650) S 175 (385)
Tires and Rims - Availability and approximate weight incomplete in the control of	kg (lb)	s 185 (410) 120 (265) 280 (615) 280 (615) 25 (55) 200 (440) 105 (230) 330 (725) 205 (4120) 110 (240) N/A N/A N/A	s (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725) S 4 (120) 110 (240) 120 (265) 185 (410)	S 185 (41 120 (26 280 (61 185 (41 120 (26 185 (41 120 (26 185 (41 185	0) 18 55) 12 5) 28 17 17 80) 10 25) 33 0) 5 40) 11 65) 12 0) 18	S 85 (410) 20 (265) 30 (615) S 8 (5 (385) 95 (230) 30 (725) S 4 (120) 0 (240) 20 (265) 95 (410)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125 445 (980) 605 (1,335 S 175 (385) 105 (230) 330 (725) 320 (705)	SS 120 (1	410) 265) 615) 685) 125) 2 2 2 2 2 2 2 2 2	S 200 (440) 130 (285) 295 (650) S 175 (385) 320 (705)
Tires and Rims - Availability and approximate weight incomplete in the control of	kg (lb)	s S 25 (55) 200 (440) 105 (230) 330 (725) 54 (120) N/A N/A N/A N/A	ting weight S 185 (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725) g weight S 54 (120) 110 (240) 120 (265) 185 (410) 250 (550)	S 185 (41 120 (26 280 (61 280 (61 330 (72 5 54 (12) 110 (24 120 (26 185 (41 250 (55	0) 18 55) 12 5) 28 17 17 80) 10 25) 33 0) 5 40) 11 65) 12 0) 18	S 85 (410) 20 (265) 80 (615) S 75 (385) 95 (230) 80 (725) S 4 (120) 0 (240) 20 (265) 85 (410) 60 (550)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125) 445 (980) 605 (1,335) S 175 (385) 105 (230) 330 (725) 320 (705) S 65 (145) 130 (285)	SS 120 (1) 120	410) 265) 615) 685) 1 2 2 2 2 2 2 2 2 2	S 200 (440) 130 (285) 295 (650) S 175 (385) 320 (705) S 160 (350)
Tires and Rims - Availability and approximate weight incomplete in the control of	kg (lb)	s 185 (410) 120 (265) 280 (615) 280 (615) 25 (55) 200 (440) 105 (230) 330 (725) 205 (4120) 110 (240) N/A N/A N/A	s (410) 120 (265) 280 (615) S 25 (55) 200 (440) 105 (230) 330 (725) S 4 (120) 110 (240) 120 (265) 185 (410)	S 185 (41 120 (26 280 (61 185 (41 120 (26 185 (41 120 (26 185 (41 185	0) 18 55) 12 5) 28 17 17 80) 10 25) 33 0) 5 40) 11 65) 12 0) 18	S 85 (410) 20 (265) 30 (615) S 8 (5 (385) 95 (230) 30 (725) S 4 (120) 0 (240) 20 (265) 95 (410)	S 185 (410) 120 (265) 280 (615) 310 (685) 510 (1,125 445 (980) 605 (1,335 S 175 (385) 105 (230) 330 (725) 320 (705)	SS 120 (1	410) 265) 615) 685) 1 2 2 3 3 3 3 3 3 3 3	S 200 (440) 130 (285) 295 (650) S 175 (385) 320 (705)

Moldboard edges - carbide 19 x 127 mm (3/4" x 5") or OOO

Partial listing of available options. Certain features may be standard or not available within specific market. Consult your Volvo Motor Grader distributor for more information.





Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

