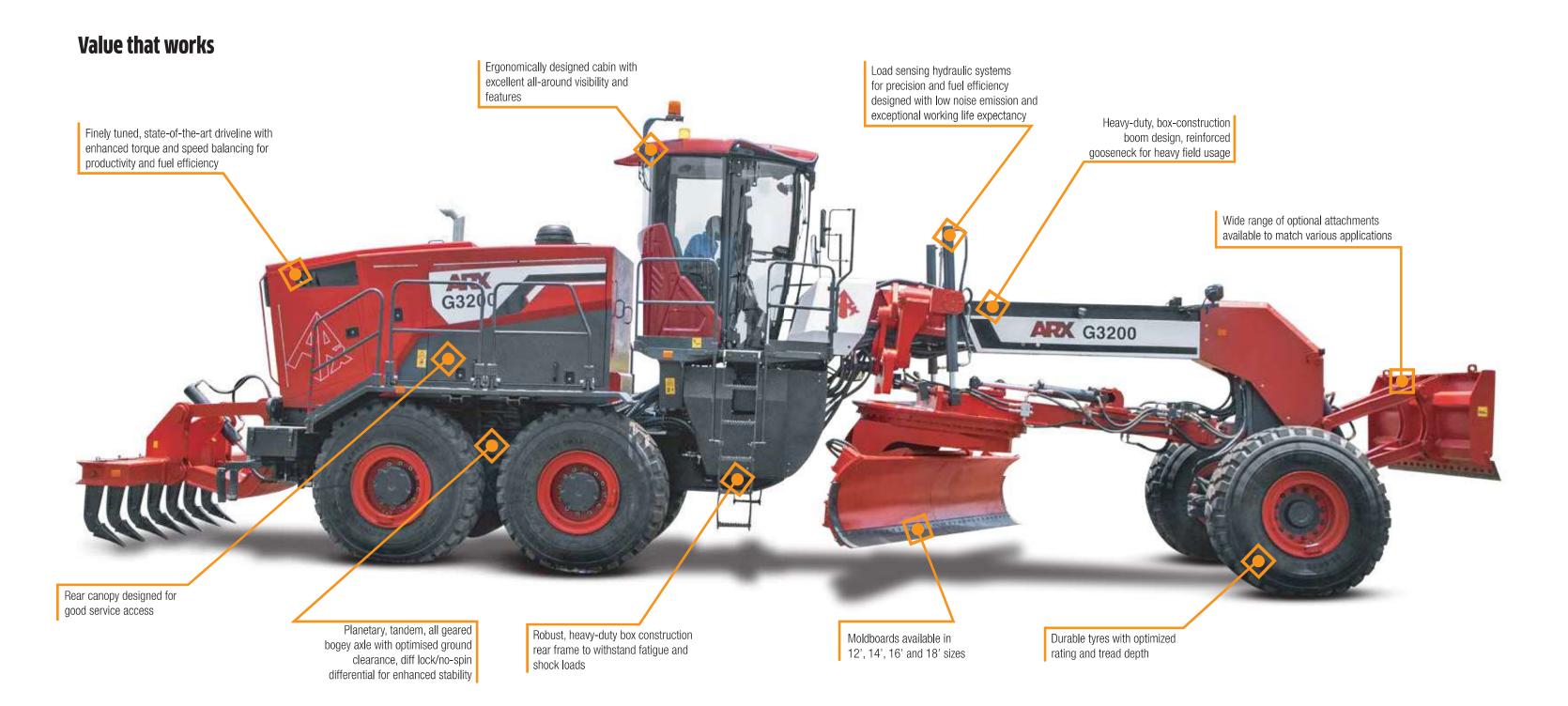


SIMPLER, SMARTER TECHNOLOGY





MAXIMISE PRODUCTIVITY

- → Automatic powershift transmission with lock-up clutch and torque convertor
- → Rear tandem bogie axle with diff-lock / no-Spin system for easier operations and to prevent damage to gears
- → Integrated torque convertor and lock up clutch to enable 15 to 20% fuel efficiency
- → A superior cooling system and variable demand fan drive system for reduction in noise and fuel consumption
- → Oil actuated, wet, fully enclosed (for low maintenance), multiple disc brakes to prevent the machine from slewing around while braking





MAXIMISE RELIABILITY

MAXIMISE PRECISION

An advanced hydraulic system, durable and robust structures

- → Robust, heavy-duty, steel box construction of all structures to withstand heavy duty cycles
- → Low noise emission hydraulic system with exceptional life expectancy to power hydraulic operations
- → Axial piston variable volume pumps with electronic controller and control valves for superior control and precision in hydraulic operations
- → Electro-hydraulically actuated float combined with the counterbalance function to either lock the blade at a particular position or trail on the ground for final finish
- → A full-fledged slewing ring that eliminates shoes. The internal gear with induction hardened teeth and roller bearing made with high precision steel are low maintenance and parts available as part of the service kits
- → Electro-hydraulic lock differential that can be operated from the cabin by a foot pedal

MAXIMISE CONVENIENCE MAXIMISE CONTROL

Designed for exceptional all-round visibility, the operator cabin is designed to reduce fatigue and offer a comfortable place for the operator to easily spend a productive day with all controlsand levers placed within convenient reach.

- → Comfortable operator seat with pneumatic/ mechanical suspension and adjustment
- → Foldable and tiltable, ergonomically-designed RHS armrest housing all LED-backlit rocker switches, dual-USB mobile charging outlet, hour-run meter, emergency stop button, and anti- restart ignition key switch
- → Joystick controls for main grader functions with adjustable-locking gas springs for the operator to adjust as per his convenience
- → A tilt and telescopic steering column with a built-in, 7", colour, LCD display with different pages/screens for all machine parameters and troubleshooting parameters
- → Steering column with hydraulic power steering for effortless control of the grader
- → ROPS & FOPS certified operator cabin
- → HVAC (Heating Ventilating & Air-Conditioning) system for operator comfort
- → Wipers and washers on the front, rear of the cabin and cabin doors
- -> Green-tinted safety glass to reduce the glare of the sun





TECHNICAL SPECIFICATIONS

Heading	UOM	Specifications			
	OOW	G3200	G2100		
PRIME MOVER					
Manufacturer & Model		Cummins QSL 9	Cummins QSB 6.7		
Emission Norms		Non-emission CEV / BS IV / BS V	CEV, BS IV / BS V		
Type		Water cooled, 4-stroke, direct-injection Diesel engine			
Aspiration		Turbo-charged with external charge-air cooler			
Engine RPM	rpm / min	2100	2200		
Gross Horsepower	hp / kw	310 / 231	225 / 168		
Displacement	litre / In ³	8.9 / 542	6.7 / 409		
Bore	mm / inches	114 / 41/2	107 / 4 ¼		
Stroke	mm / inches	145 / 5 ^{3/4}	124 / 4 7/8		
Maximum Torque	Nm @ rpm / ft lb @ rpm	1526 @ 1400	1000 @ 1300		
Number Of Cylinders	Nos	6	6		
Derating Altitude	m / feet	2400 / 7872	2000 / 6561		
VARIABLE FAN DRIVE					
Standard Ambient Capability	Degree Celsius		55		
Recommended Engine Oil		SAE 15W40, CI4+	SAE 15W40, CK4		
Air Cleaner	Туре	2-stage, dry type with pre-cleaner and restriction indicator through main display, automatic dust ejector			
POWERTRAIN					
Transmission	Type	Fully automatic Powershift with electronic controls, with lock-up clutch, stator free wheel			
Number Of Speeds - Forward	No.	6			
Number Of Speeds - Reverse	No.		3		
Top Speed - Forward	kmph		40 40		
Top Speed - Reverse	kmph	30			
BRAKES					
Service Brake	Туре	Oil actuated, wet, multiple disc brakes on 4 rear wheels. Dual brake circuit with emergency ground drive pump and accumulators which store energy for braking in case of engine/pump failure			
Parking	Туре	SAHR (Spring-Applied, Hydraulic-Release) on the transmission			
Heading	UOM	Specifications G2100			
HYDRAULIC SYSTEM		G3200	G2100		
Туре		Load sensing, pressure compensated, closed center system with electronic controller	Load-sensing, pressure-compensated, closed-centre system.		
Pump Type		2 Variable piston + 2 gear pumps (Casappa)	2 variable-piston + 2 gear pumps (Casappa)		
Main Pump Flow	L/min	530 (Combined output @ 2100 rpm)	402 @ 2200 rpm		
Maximum System Pressure	Bar	230			
Pump Model	bar		Casappa		



		Specif	Specifications		
Heading	UOM	G3200	G2100		
SERVICE REFILLS					
Fuel Tank	litre	500	385		
DEF Tank	litre	48	48		
Hydraulic Tank	litre	150	125		
Engine Oil	litre	38	24.5		
Cooling System	litre	23.7	20.3		
Transmission	litre	38	27		
Axle Differential	litre	32	9.5		
Axle Final Drive Hub (each)	litre	31	7		
Axle Tandem Housing (each)	litre	44.5	35		
FRAME	·	·			
CIRCLE					
Diameter	mm	1830	1250		
FRONT AXLE	·				
Front Axle	Туре	Reverse Eliot type with hydraulic leaning			
Height To Center	mm / inches	680 / 26.77 656 / 25.8			
Wheel Lean	Degree	15° Left / 15° Right			
Ground Clearance At Pivot	mm / inches	702 / 27.63	643 / 25.3		
REAR AXLE	·				
Rear Axle	Туре	Planetary tandem all geared bogey axle with electrohydraulic foot pedal actuated diff lock differential			
TANDEM					
Height	mm / inches	600 / 23.62	534 / 21		
Width	mm / inches	227 / 8.9	194 / 7.63		
TANDEM OSCILLATION					
Front Up	Degree	20			
Front Down	Degree		20		
Steering					
Type		Hydraulic power steering with emergency steering accumulator			
Minimum Turning Radius (Without Articulation)	m	12.16	10.5		
Minimum turning radius	m	9.3	3 7.2		
(With Articulation And Wheel Lean)	111	5.3	7.2		
Steering Range - Left/Right	Degrees	į	51		
Articulation Angle - Left /Right	Degrees		20		



Heading	UOM	Spe	ecifications
neaulily	UUIVI	G3200	G2100
WHEELS			
Front & Rear Tyre	Туре	23.5 R25, Radial, VJT (Bridgestone)	20.5R25, Radial, Tubeless tyres (Bridgestone/ Yokohama)
Rims	Inches	19.5 (3-piece)	17.5 / 1.7-25 (3-piece)
OPERATOR ENVIRONMENT			
Cabin		Ergonomically designed, fully enclosed cabin v	vith HVAC system
Seat		Air suspension seat	
Display		7-inch, colour display in-built into the steering	column
Lights		2 Front headlight for driving 2 LED combination tail lights 13 nos. LED work lights 2 amber STROBE/BEACON lights on cabin roo	f
ELECTRICALS			
DC	Volts	24 V dc, system with negative ground	
Alternator	Volts / Ampere	24 V dc / 120	24 V dc / 100 Amp
Batteries		Two, 12-Volt dc, Sealed, Lead-acid type, maint Amps	tenance-free batteries, 100 Ah each, CCA of 1150
Starter		Electric, 24V dc, 7.5kW with Jump-Start prote	ction
Wiring Protection		Two main fuses and other blade-type, auto fus	es for all circuits
MOLDBOARD			
Width	m / feet	4.87 / 16 (Standard) 5.48 / 18 (Optional)	4.26 / 14 (Standard) / 3.66 / 12 (Optional)
Height	mm / inches	800 / 31.49	720 / 28.5
Thickness	mm / inches	25 / 0.98	16 / 0.62
Arc Radius	mm / inches	414 / 16.29	
Throat Clearance	mm / inches	170 / 6.69	
Cutting Edge			
Width	mm / inches		203 / 8
Thickness	mm / inches	25 / 1	19 / 0.75
End Bit / side edges			
Width	mm / inches	152 / 5.98	
Thickness	mm / inches	19 / 0.74	16 / 0.62
Drawbar Pull			
Base (0.65)	Base (0.65) kgf	12,900	11,948
Max (0,9)	Max (0.9) kgf	16,543	14,768
Down Force (max)	kgf	17,860	9,900
BLADE RANGE			
Circle Centershift	Feet	16	14
Right	mm / inches	755 / 29.72	762 / 30
Left	mm / inches	746 / 29.37	941 / 37
Moldboard Side-shift			
Right	mm / inches	850 / 33.46	700 / 27.5
Left	mm / inches	850 / 33.46	700 / 27.5

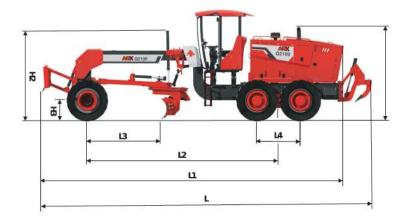


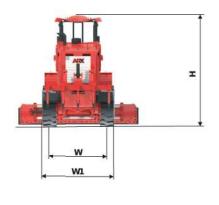
Heading	иом	Specifications		
		G3200	G2100	
Blade Tip Range	*	10	io in the second se	
Forward	Degree		40	
Backward	Degree		5	
Maximum Shoulder Reach Outside Of Ti	res			
Right	mm / inches	2545 / 100.19	2285 / 89.96	
Left	mm / inches	2536 / 99.84	2463 / 96.96	
Maximum Lift Above Ground	mm / inches	395 / 15.55	438	
Maximum Depth of Cut	mm / inches	686 / 27.00	632	
Maximum Blade Position Angle / Maximum Blade Angle, Left Or Right	Degree	90		
WEIGHTS				
Gross Vehicle Weight - Base (Fully Fuel	led, No Attachments)			
Total	kg / lb	29900 / 65918	18382 / 40513	
Front Axle	kg / lb	10250 / 22597	6117 / 13504	
Rear Axle	kg / lb	19650 / 43320	12254 / 27009	
Gross Vehicle Weight - Fully Equipped (Rear Ripper, Front Dozer, F	ully Fuelled)		
Total	kg / lb	33430 / 73700	20700 / 45622	
Front Axle	kg / lb	10710 / 23611	6900 / 15207	
Rear Axle	kg / lb	22720 / 50089	13800 / 30415	





G3200 / G2100 MACHINE DIMENSIONS





PARAMETERS	11011		DIMENSIONS	
PANAMETERS	UOM		G3200	G2100
Length – Pushblock To Rear Ripper	mm	L	12529	11786
Length – Front Tire To Rear Of Machine	mm	L1	10875	9841
Wheelbase / Length	mm	L2	7520	6793.5
Blade Base / Length	mm	L3	2902	2622
Length – Between Tandem Axles	mm	L4	1771	1540
Height – Top Of Cab	mm	Н	4350	3693
Height To Exhaust Stack	mm	H1	3371	3344
Sheight To Top Of Cylinders	mm	H2	3394	3218
Height — Front Axle Center	mm	НЗ	732	736.5
Sground Clearance At Rear Axle	mm		457	375
Ground Clearance At Centre Front Axle	mm		602	455
Ground Clearance At Transmission Case	mm		491	463
Width – Rear Tire Center Lines	mm	W1	2470	1753
Width - Outside Rear Tires	mm	w	3085	2586
Width – Front Tire Center Lines	mm		2388	2027.5
Width – Outside Front Tires	mm		3003	2560.5





ABOUT ARX

At Arx, we believe in demanding more. More from ourselves and our machines.

Our collaboration with global technology leaders in fields such as Hydraulics, Driveline, Electronics and Fabrication enable us to create products that exceed expectations. With these international collaborations we bring overseas technology together with local expertise to give you the best of both worlds. The Partners we work with are all committed to setting up in India in the short/medium term.

The Arx brand includes a complete range of motor graders, blast hole drill rigs and dust suppression systems that are built to meet any requirement.

The Indital branded products include forklifts, empty container handlers, loaded and empty reach stackers, aircraft towing trucks and pick/carry cranes. Indital is a 34 year old brand leader in cargo handling equipment in India.

At Arx the primary objective is to bring end-to-end services from application mapping, design and prototyping to produce state of the art products while optimizing the time-to-market.

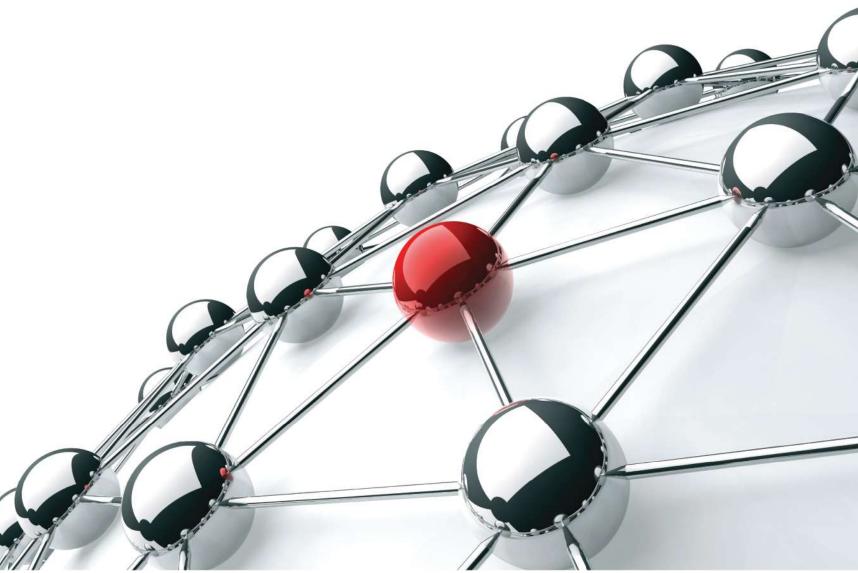
In addition to all this, Arx is also an authorized dealer for sales and service for HIAB products in India.

The company has a manufacturing unit in Naraspura, Kolar that is certified under ISO 9001:2015.



Embracing the 'Make in India' initiative, our company takes pride in contributing to the nation's growth by locally manufacturing heavy machinery. Aligned with the government's vision, we've established a robust ecosystem fostering innovation, generating employment, and fortifying the domestic manufacturing sector. Our commitment to 'Make in India' is more than rhetoric; it's a cornerstone of our philosophy. Every grader, forklift, reachstacker, drill rig, and dust suppression system we produce adheres to stringent international standards, with globally proven aggregates, crafted with precision and expertise within our country. This approach not only supports local communities and businesses but also showcases the inherent capabilities of Indian manufacturing on a global stage. We dedicate ourselves to not just building machinery but to building a future where **India stands tall** as a hub for high-quality heavy equipment production.







Arx Mining and Construction Equipment Private Limited.

Plot No 3 (Part 1) KIADB Narasapura Industrial Area, Kolar, 563133. Karnataka, India.

email: sales@arxmc.com | www.arxmc.com

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