

EXPERTS FOR THE REAL WORLD
SINCE 1842

CASE
CONSTRUCTION

WHEEL LOADERS

621XS



MOVING
MOUNTAINS

MAIN REASONS TO CHOOSE THE WHEEL LOADER



PERFORMANCE

- Z bar linkage provides higher breakout forces.
- Higher payload capacity in this class of machine 4 Ton.



OUTSTANDING VISIBILITY

Wide window areas for great all around visibility in all conditions.



HIGH RELIABILITY

- FPT NEF 6.7 Litre high torque Engine.
- ZF Torque Converter & Axles makes it highly reliable.
- Proven robust kinematics Z-Bar arm for Heavy duty application.



SAFE AND EASY MAINTENANCE

Ground level access to filters helps to reduce maintenance time. Safer maintenance.





OPERATOR COMFORT

- Ergonomic seat for long working hours.
- Air conditioning available as option provides operator comfort.
- Standard ROPS cabin provides operator safety.



BUCKET & ATTACHMENT DESIGNS

- Different size buckets to meet any application.
- Higher roll back @ 48° increase bucket fill factor
- Additional attachments available to address various segments.





SAFE AND EASY MAINTENANCE

Simplicity and reliability invariably combined for low operational costs.

The 621XS maintenance and routine inspections are even more simple, faster and easier to access. The new gull-wing style hood opening ensures easy access to the main maintenance and inspection points. Easy maintenance means higher availability for the customer.

The 621XS also features all ground-level lubrication points via remote outlets as well as quick pressure check connection and couplings. Automatic arm lift stoppage devices and bucket leveling that facilitate loading operations.



OUTSTANDING ALL-ROUND VISIBILITY

You'll feel more confident and work faster with the great all-round visibility provided by the very low shape of the curved rear hood and the ample glazed surfaces.



HIGH RELIABILITY

- FPT NEF 6.7 Liter high torque Engine, the Aftercooler, the Transmission and Hydraulic Oil radiators are now grouped together in one single package, providing better cooling efficiency (all radiators receive just fresh air), Longer life of all key components.
- Proven robust kinematics Z-Bar arm for Heavy duty application.
- The new ZF Powershift transmission, Torque Converter & Axles has been developed to give greater power, traction and smoothness in operations.

MOVING MOUNTAINS



HYDRAULICS SYSTEM

Power and agility in any application

The hydraulics system is composed of a high efficiency dual Dual Gear Pump, a two-reel monoblock distributor (may optionally be equipped with three spools) and the lifting cylinders to the upper arm and the dump bucket sized to generate power and fast cycles in any digging or loading application. The entire assembly is operated by a Single or Double function lever, which makes the operation more comfortable and efficient.

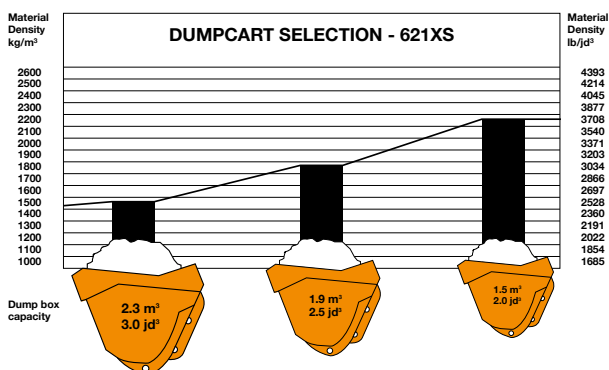
Frontal equipment

The “Double Z” mechanism provides excellent visibility, as well as allowing for the use of curved arms that facilitate the even distribution of the load in the units with the carriers. To further increase productivity, 621XS counts on automatic arm elevation stoppage devices and leveling of the buckets ensures higher productivity and longer life for cylinders.



SPECIFICATIONS

ENGINE		621XS
Make & Model		FPT , NEF 6 Tier 3 , Turbocharger intercooler
No of Cylinders		6
Displacement	L	6.7
Emission Norm		Tier 3
Engine Power (Peak Gross) ISO14396	Hp (KW)	130 (97) @ 2350 RPM
Engine Power (Peak Net)SAE J1349	Hp (KW)	127 (95) @ 2350 RPM
Max Torque Gross -ISO14396	N-m	443 @1500RPM
ELECTRICAL		
Electrical system		24 Volts
Batteries		12 Volts , 2 Nos
Alternator		70 A
POWER TRAIN		
Transmission Make & Model		ZF Transmission , 4WG130 , 4F 3R
Torque Converter Make		ZF
Speed Km/h with (17.5 x 25 L2 Tyres)		Forward- 6.4, 11.6 , 22.3 ,36.2 Reverse - 6.7 ,12.2 , 23.8
Axle		Front - ZF (Limited slip Differential) Rear - ZF (Limited slip Differential)
TYRES		
Option 1		17.5 x 25 12 Ply L2
Option 2		17.5 x 25 16 Ply L3
HYDRAULIC		
Valve - Loader Pressure		Open centre , Positive Low Pressure
	Psi / Bar	Max Loader Pressure - 2756 / 190
System		Dual Gear Pump
Loader Pump Displacement	L/min	140
Steering Pump displacement	L/min	63.5
CAPACITIES		
Fuel Tank	Liters	140
Cooling System	Liters	25
Engine Oil	Liters	14.5
Hydraulic Oil	Liters	131
Hydraulic Oil System	Liters	176
Transmission Oil	Liters	21
Axle (Front / Rear)	Liters	20.9
WEIGHT DATA		
Loader Equipped with 1.9 Cum bucket,17.5 x 25 L3		Tyres, full Fuel Tank & Operator
Front	Kg	4105
Rear	Kg	6410
Total	Kg	10515
SOUND LEVEL		
Interior (ISO 6396)	dB	93
Exterior (ISO 6396)	dB	107

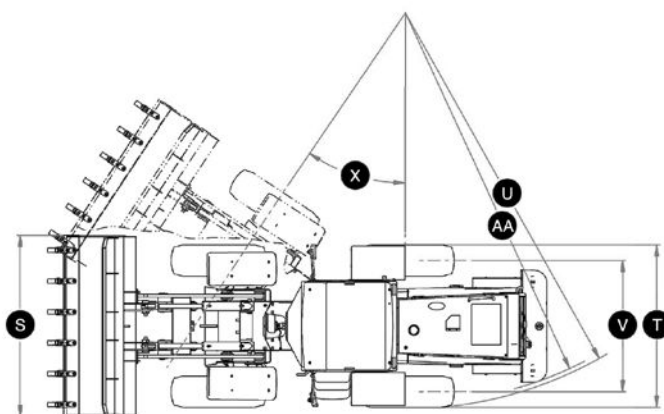
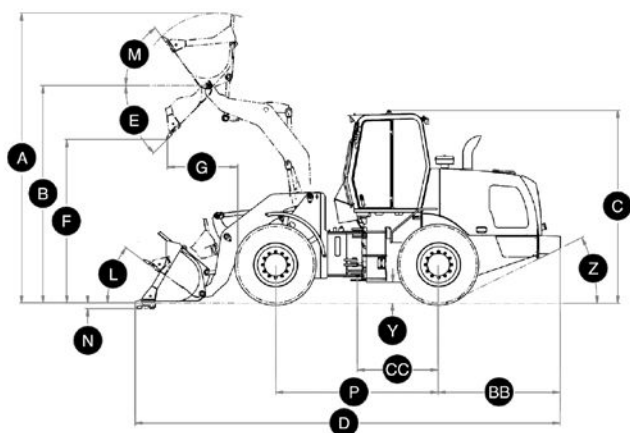


1 Determine the density of the material to be handled using the density table of materials below.

2 Locate the density in the column to the side (American system or Metric).

3 follow the density along its horizontal line to find what buckets can be used that density of material.

MATERIAL	DENSITY	MATERIAL	DENSITY	MATERIAL	DENSITY	MATERIAL	DENSITY
Calcium Carbonate	1.250 kg / m³	Coal		Limestone		Sand	
Clay		Anthracite, crushed	1.100 kg / m³	Dry	1.510 kg / m³	Dry	1.420 kg / m³
Natural	1.600 kg / m³	Bituminous, crushed	830 kg / m³	Gravel with sandstone	1.930 kg / m³	Dry 1/2" 2"	1.840 kg / m³
Dry	1.480 kg / m³	Crushed granite	1.660 kg / m³	Dry 1/2" 2"	1.690 kg / m³	With gravel, dry	1.720 kg / m³
Wet	1.660 kg / m³	Shale	1.250 kg / m³	Wet 1/2" 2"	2.020 kg / m³	With gravel, wet	2.020 kg / m³
With gravel, dry	1.420 kg / m³	Scrap pieces	1.750 kg / m³	Crushed Limestone	1.540 kg / m³	Sandstone in pieces	1.250 kg / m³
With gravel, wet	1.540 kg / m³					Crushed rock	1.600 kg / m³



GENERAL DIMENSIONS

		1.91 m³ Bucket		2.3 m³ Bucket	
		Bolt on Edge	W Teeth	Bolt on Edge	W Teeth
A - Overall Height-Operating (Spillguard)	mm	4751	4751	4743	4744
B - Hinge Pin Height - Full Height	mm	3520	3520	3520	3520
C - Overall Height - Top of Cab	mm			3176	
D - Overall Length - Bucket Level on Ground	mm	6969	7086	6970	7086
E - Dump Angle @ Full Height	°	44	44	44	44
F - Dump Height @ 44° Full Height	mm	2633	2551	2632	2551
Maximum Rollback @ Ground	°	39	39	39	39
L - Maximum Rollback @ Carry Position	°	48	48	48	48
N - Digging Depth	mm	75	78	76	78
P - Wheelbase	mm		2669		
T - Overall Width - Exclusive of Buckets	mm		2344		
Y - Ground Clearance	mm		335		
V - Tread Width	mm		1864		
U - Turning Radius (Outside of Tires)	mm		5606		
AA - Turning Radius (Outside of Counterweight)	mm		5543		
X - Turning Angle from Center	°		33.5		
Rear Axle Oscillation (Total)	°		24		
S - Bucket Width - Max Outer Width	mm	2489	2489	2976	2976
Bucket Capacity - Struck	m³	1.60	1.60	1.90	1.90
OPERATIONAL					
- Hydraulic Lift Capacity @ Full Height	Kg	4137	4144	3947	4036
- Hydraulic Lift Capacity @ Max Reach	Kg	6756	6706	6516	6605
- Hydraulic Lift Capacity @ Ground	Kg	10142	10244	10094	10181
- Breakout Force W/Tilt Cylinder	Kg	8071	7721	6952	6885
- Unit Operating Mass	Kg	10595	10515	10708	10619
Bucket Weight	Kg	807	727	920	831
Operating Load (ISO / SAE)	Kg	3983 / 3706	4035 / 3757	3947 / 3682	4007 / 3726
Tipping Load - Straight (ISO / SAE)	Kg	8753 / 8301	8857 / 8404	8713 / 8257	8803 / 8345
Tipping Load - 33.5° Turn (ISO / SAE)	Kg	7965 / 7412	8070 / 7514	7924 / 7365	8013 / 7453
Loader Speeds:					
- Raising Time -Loaded	Sec			6.6	
- Lowering Time - Empty - Power down	Sec			4.0	
- Lowering Time - Empty - Float down	Sec			5.0	
- Dump Time - loaded	Sec			1.2	

BUILDING A STRONG CASE.

Since 1842, at CASE Construction Equipment we have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity.

We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development.

The vast CASE dealers' network is always ready to support and protect your investment and exceed your expectations, while also providing you with the ultimate ownership experience.

Our goal is to build both stronger machines—and stronger communities. At the end of the day, we do what's right for our customers and our communities so that they can count on CASE.

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NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC

