

K120

Utility, Series 6
117 PS



A utility tractor that merges heritage innovation with powerful technology

The K120 excels on performance, being the only domestically-produced tractor equipped with a John Deere engine. Its distinctive smart features allow the operator to control and monitor the powerful tractor remotely.



1. Power shuttle



3. Dual side mirrors



2. De-clutch



4. Electronic lift control



5. Loader joystick



6. Beverage cooler / warmer



High-powered Deutz engine

Equipped with a high-quality, high-output John Deere engine. Its reliability means the tractor experiences fewer failures and a longer life cycle.



High-capacity fuel tank

High-capacity fuel tanks allow long operating times without refueling and improves engine fuel efficiency.



Driver oriented interior

The ergonomically designed cabin decreases stress on the operator and increases convenience.



Excellent lift capacity

With an enhanced rear 3-point lift, you can easily lift heavy attachments and install more types of attachments to your tractor.



High-capacity hydraulic top link

Conveniently control the hydraulic top link and the attached implement from the cabin with the operating lever.



Conveniently control the hydraulic top link and the attached implement from the cabin with the operating lever.

Equipped with an automotive start/stop button and smart key, remote start/stop, rear implement remote control, LED monitor and rear-mounted camera.



Full LED work light

The Full LED work light provides a bright and wide view of the environment for safer operation at night.



Best-in-class external hydraulic cylinder

The powerful external hydraulic cylinder exerts 4.2 tons of lifting strength and is easy to service.

Technical specifications

ENGINE	
Engine manufacturer	JohnDeere 4045HK551
Type	Turbocharger
Gross engine power	117 PS 86 kW
PTO power	103.3 PS 76 kW
Rated engine speed	2100 rpm
No. of cylinders	4
Displacement	4525 cc 276.1 cu. in.
Air cleaner	Dry element
Alternator	12V, 110A
Fuel system	DI
POWERTRAIN	
Transmission type	Power shuttle
No. of speeds	F16 × R16
Max. traveling speed	33.67 km/h 20.92 mph
Brakes	Wet disc
Steering	Hydrostatic
Clutch	Wet disc
CAPACITIES	
Fuel tank	160 L 42.26 gal
Coolant	8.7 L 9.18 qt
Crankcase	13 L 13.7 qt
Transmission/Hydraulics system	56 L 14.7 gal
Front axle	12 L 12.6 gal

PTO	
PTO type	Independent
PTO control	Electric/Hydro
PTO rear	540/750/1000 rpm
HYDRAULIC SYSTEM	
Pump type	Gear pump
Implement flow	69.6 L/min 18.3 gpm
Steering flow	28 L/min 7.4 gpm
Total flow	97.6 L/min 25.8 gpm
Category, 3-point hitch	Cat 2
Hitch lift capacity	4520 kg 9965 lb
Hitch lift capacity at 24 inches behind link ends	3026 kg 6671 lb
Lift control type	Position/Draft
No. of standard remote valves	6
DIMENSIONS & WEIGHTS	
Overall length with 3-point hitch	4070 mm 158.2 in.
Overall width	2270 mm 89.3 in.
Wheelbase	2360 mm 92.9 in.
Height to top of cabin	2995 mm 109.8 in.
Height to top of ROPS	-
Min. ground clearance	445 mm 17.5 in.
Min. turn radius with brakes	(L) 4380 mm 172.44 in. / (R) 4420 mm 174.01 in.
Min. turn radius without brakes	(L) 5860 mm 230.71 in. / (R) 5950 mm 234.25 in.
Weight with cab	4050 kg 8928.72 lb
Weight with ROPS	-
Track width	F: 1525 mm / R: 1655 mm
STANDARD TIRES	
Agricultural - Front	13.6-24
Agricultural - Rear	18.4-34

KJL110(J) Front-End Loader

Attachments

Engineered to lift higher and lift heavier materials, the TYM KJL110(J) is optimized for superior material handling. Taking advantage of the power and performance of the TYM utility tractors, the KJL110(J) is compatible with the K120.

Lift height	4114 mm 162 in.
Lift capacity at pivot point (max. height)	2456 kgf 5415 lb
Self leveling	Available

CAPACITIES & REACH	
Lift height	4114 mm 162 in.
Max. lift height under level bucket	3873 mm 152.5 in.
Clearance with bucket dumped	3227 mm 127 in.
Reach at maximum lift height	379 mm 14.9 in.
Max. dump angle	60°
Reach with bucket on ground	2513 mm 98.9 in.
Max. rollback angle	52°
Digging depth	155 mm 6.1 in.
Lift capacity at pivot point (max. height)	2456 kgf 5415 lb
Breakout force at ground level, pivot pins	3002 kgf 6618 lb
Bucket rollback force at ground line	3118 kgf 6874 lb
Self leveling	Available
Relief valve setting (loader control valve)	210 kg/sq. cm 2987 psi
Compatible bucket sizes	66" Front-end loader bucket



DIMENSIONS & WEIGHTS	
Overall height in carry position	2194 mm 86.4 in.
Depth of Attachment (to the back of the inner shell)	579 mm 22.8 in.
Height of Attachment	563 mm 22.2 in.
Length of Attachment (to pivot pin)	886 mm 34.9 in.
Weight of boom & quick attach mechanism (1)	549 kg 1210 lb
Weight of mounting frame (2)	268 kg 591 lb
Weight of bucket (3)	203 kg 448 lb
Loader total weight (1+2+3)	1020 kg 2249 lb
Lift cylinder	80 × 45 mm 3.1 × 1.8 in.
Bucket cylinder	75 × 40 mm 3.0 × 1.6 in.
Attachment used for specification	2330 mm 92 in.
CYCLE TIMES	
Boom raising time	4.4 sec
Boom lowering time	2.8 sec
Bucket rollback time	2.6 sec
Bucket dumping time	3.6 sec



Designed for your world

TYM creates tractors that bring together alluring form, advanced function and accessible value. Through Korean expertise in design, engineering and manufacturing, the company helps owners overcome every obstacle as they shape the world around them.

Headquartered in Korea with distribution across North America, Europe, and Asia, and assembly operations in the USA, TYM has been empowering customers for over 70 years.

www.tym.world