



Step up to the new generation of power tool. Step up to versatility, power, and sophistication. A design that powers you through your workday with control and comfort. The **UT5212 POWERPLATFORM®** is a multi-purpose vehicle with four-season versatility. With features like a quick-attach work platform, front and rear hitch options, 4-wheel steering, 260hp engine, smooth electronic controls, the largest cab available and a top speed of 45mph the **UT5212 POWERPLATFORM®** sets the standard for a new class of vehicle

COMFORT

It begins with generously sized steps to the intuitively located grab handles. It continues with a massive 110ft³ cab providing ample room for the driver and passenger while rendering unsurpassed forward visibility. Inside the cab the operator is treated to a plush adjustable air suspension seat, three-position steering wheel, and a cooler box to keep food and beverages cold. Even the passenger is treated to a plush full-size seat. An Automatic Temperature Control (ATC) system automatically cools and warms to keep the cab temperature just right for you. Twelve air vents provide perfect distribution of heat and air conditioning.



Overhead controls for windshield wiper/washer, temperature control, work lights, heated adjustable mirrors, and an AM/FM weather band stereo with CD player are located within easy reach. To keep the work going late into the night a total of 14 work lights provide almost 360-degree lighting. Even when you are done with work for the night, automatic egress lighting gives you a chance to safely exit and move clear of the machinery.

SPEED

One of the key benefits of the **POWERPLATFORM®** is speed and stability. Fully loaded, the **POWERPLATFORM®** has a top speed of 32 mph forward and 22mph in reverse. Optional gearing provides a 45mph top speed. Since speed is only as good as the ability to control it, a sophisticated, yet uncomplicated, suspension was engineered to utilize the rigid welded box frame construction and incorporate oscillating trunnion axle mounting.

The result is massive swing arm suspension with electro-hydraulic load carrying and bounce control. A pair of nitrogen-charged accumulators absorb rebound movement, while a single piston accumulator control jounce. The result is a suspension tough enough to carry the heaviest load yet soft enough to smooth the roughest terrain. A fringe benefit of a hydraulic suspension is the ability to quickly and accurately calculate total and cargo weight.



When going this fast, you need to have the confidence of knowing there is enough braking power to stop. Twin two-piston calipers provide enough clamping force on the almost 24" diameter rotor at each wheel to safely and consistently stop the heaviest loads day after day. An optional constant-back-pressure engine exhaust brake is available to provide additional braking and minimize service brake wear.

CONTROL

All the controls you need for a successful work day are conveniently located on the ergonomic right hand console (RHC). The RHC glides forward/back and also "floats" along with the air-ride seat so controls are at the right position for you.



The RHC's multi-function joystick easily fits into the hand for complete transmission control while simultaneously operating two hydraulic remote circuits. Additional RHC controls include the additional hydraulic remote circuits, dump box control (if applicable), 3-point hitch control and raise/lower switch, engine cruise control functions, front/rear PTO switch (if applicable), hydraulic remote lockout, front/rear suspension lock, axle/transmission diff lock, 4-wheel steering functions, and exhaust brake control.

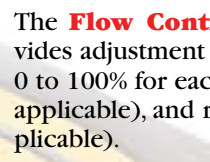
Single axis joysticks are used to operator the hydraulic functions. These joysticks offer proportional control of oil flow. Power up and float functions are created electronically.

DISPLAY

A 10.4" color LCD display provides all **POWERPLATFORM®** instrumentation and control in four easy to use screens.



The **Primary** screen, in addition to the standard **POWERPLATFORM®** instrumentation, displays fault codes, warning/indicator lamps, transmission shift information, fuel economy, fuel remaining, hydraulic oil temp, outside air temperature, air system pressure, and date/time.



The **Flow Control** screen display provides adjustment of hydraulic flow from 0 to 100% for each remote, dump box (if applicable), and rear 3-point hitch (if applicable).



The **Weight Control** screen displays total **POWERPLATFORM®** weight along with cargo or net weight in either lbs or Kgs.

The **Camera** screen displays all the standard instrumentation in abbreviated form plus a view from the rear color camera. This screen automatically comes up in reverse or can be manually switched on for rear equipment observation.



UT5212 POWERPLATFORM®



PRODUCTIVITY

With an optional top speed of 45mph you will spend less time on the road and more time in the field getting the work done. Combine that with a cargo capacity of 26,000 lbs at high speeds, and 44,000 lbs at field speeds, the **POWERPLATFORM®** will make less trips reducing costs and maximizing profits.

SELF PRESERVATION

Even overloaded, the **POWERPLATFORM®** is smart enough to protect itself while still getting the work done. Total and individual axle weights are constantly monitored to determine if it is loaded, overloaded, or severely overloaded. When overloaded, a warning indicator will illuminate and prevent shifting higher than 1st gear. When severely overloaded, a warning indicator will illuminate and any movement is pre-vented until the weight is reduced.

POWER AND SMOOTH SHIFTING

The proven and reliable Cummins QSB series engine has been improved to meet Tier3 emissions while being 5 to 9 decibels quieter. In fact, it runs as quietly at full load as the previous QSB did unloaded. The high-pressure common rail (HPCR) fuel system delivers 23,300-psi injection pressure for improved performance and fuel efficiency.



The mid-mounted 260 hp engine is mated to a 6-speed forward/3-speed reverse smooth-shifting ZF powershift transmission. The ZF transmission is fitted with a lock-up torque converter to transmit maximum power while maximizing fuel efficiency. The electronically controlled transmission modulates the shifts for smooth gear changes reducing operator fatigue. The choice of manual or automatic shift control, interchangeable in route, further enhances smooth operation. The full time 4-wheel drive system is made possible by a transmission lockable interaxle differential. In normal operation, the differential sends 1/3 of the power to the front axle and 2/3 to the rear axle. Also, this open differential prevents "wind up" when turning on dry surfaces. The transmission differential, like the axles differentials, can be locked "on-the-go" with the touch of a button making sure you never get stuck in the mud.

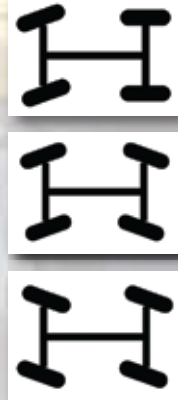
VERSATILITY

The heart of the **POWERPLATFORM®** is the ability to master all trades. With the optional front and rear 3-point hitch, PTO and tongue hitch versatility was designed in, not added on. These are not light-duty options. The 3-point hitch is a category III-N with an 11,000 lb capacity. The front PTO is rated at 140 hp and the rear is rated at 220 hp. It is clearly designed for your heavy-duty applications. The quick change rear platform can be ordered with a 12 yard hydraulic dump box or can be easily up-fitted with sprayers, spreaders, dumpers, silage boxes, etc to meet whatever need you have. With only two pins and two bolts, the **POWERPLATFORM®** makes quick work of changing from one application to another.



MANEUVERABLE

The **POWERPLATFORM®** comes standard with a three-mode steering system and stability control. This combines to create excellent maneuverability and safety



Front steering mode is the default setting for effortless and precise field and highway control.

Coordinated mode steers the rear axle wheels the opposite direction as the front to achieve a tight 16.5' curb-to-curb turn radius.

Crab mode steers the rear axle wheels the same direction as the front and is useful where inclines can cause vehicle sideslip or where individual wheel marking is preferred to alleviate soil compaction on soft ground.

Safety was the utmost concern when designing this system. The rear wheel steer angle is constantly monitored so that in front steering mode the rear axle remains straight. In the other two steering modes the rear wheel steer angle is controlled by the front axle steer angle and vehicle speed. As the vehicle speed increases the rear steer angle decreases proportionally until straight. In addition, a redundant set of wheel end steering angle sensors are used in the event of primary sensor failure.

SERVICE FRIENDLY

Convenient service areas improve the likelihood of proper maintenance maximizing vehicle work life. That is why the **POWERPLATFORM®** left side compartment was designed with a service area for the engine air filter, fuel/water separator/filter, and air system dryer. Housed in the same compartment is a shop air coupler for air tool operation and the manual/air powered cab tilt pump for access to the hydraulic system valves.



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