



1018 No-Till Remote Blower Features

6-inch fan encased in high-strength poly provides 8-20 oz. of air pressure to each individual venturi. Includes remote mounting fixture allowing operator to mount hopper in areas with minimal clearance

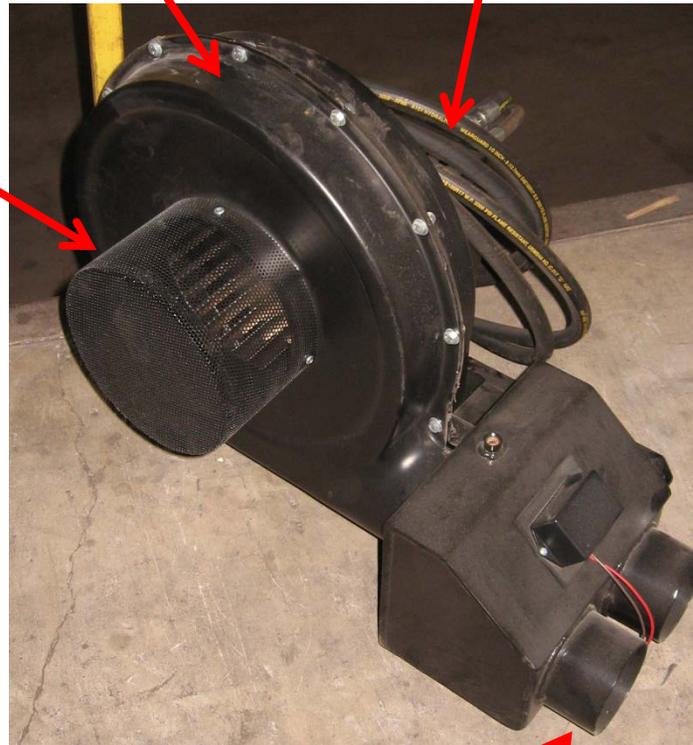
Hydraulic hook-up lines included:

- (1) 3/8" x 24"
- (2) 1/2" x 14"
- (2) 1/2" x 120"

4-gpm hydraulic motor provides continuous and dependable power to the fan. Requires lines for pressure and return. An optional 8-gpm, 3-port hydraulic motor is available requiring hydraulic lines for pressure, return and a case drain.

Protective screen guards against debris and other material exiting fan exhaust

In-line hydraulic bypass block with check valve allows fan to spin freely when hydraulic flow is reduced. Prevents damage to keyways and blower components

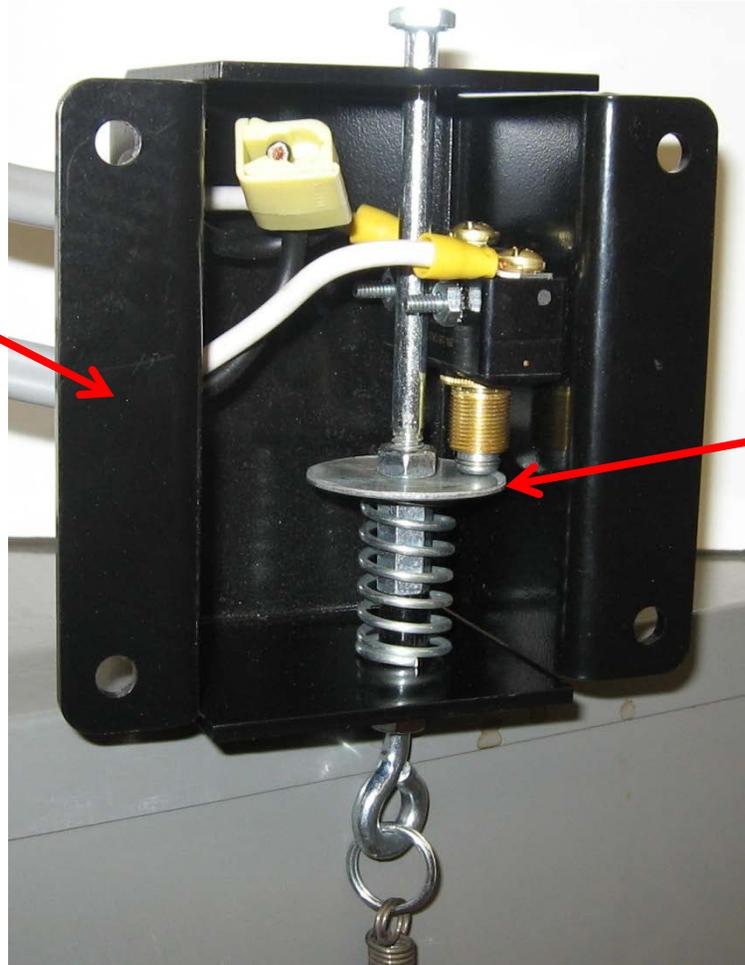


4" tubing connects blower to air manifold on Orbit-Air. Length of tubing dependent upon distance between remote blower and hopper (M06-4000-000). 12-ft. of tubing included in package



1018 No-Till Run/Hold Switch Features

Run/Hold switch mounts between combine and head – automatically stops seeding when head is raised, and starts seeding when head is lowered



When plate makes contact seeding stops. When plate pulls downward seeding starts

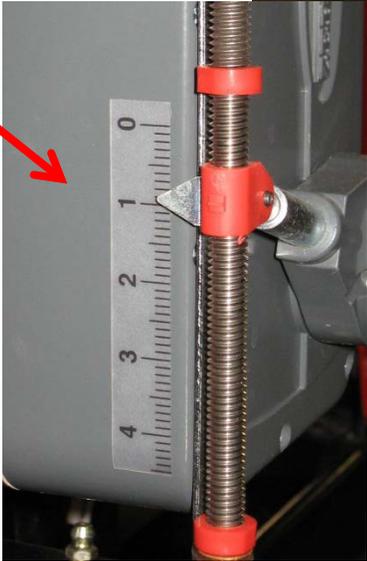
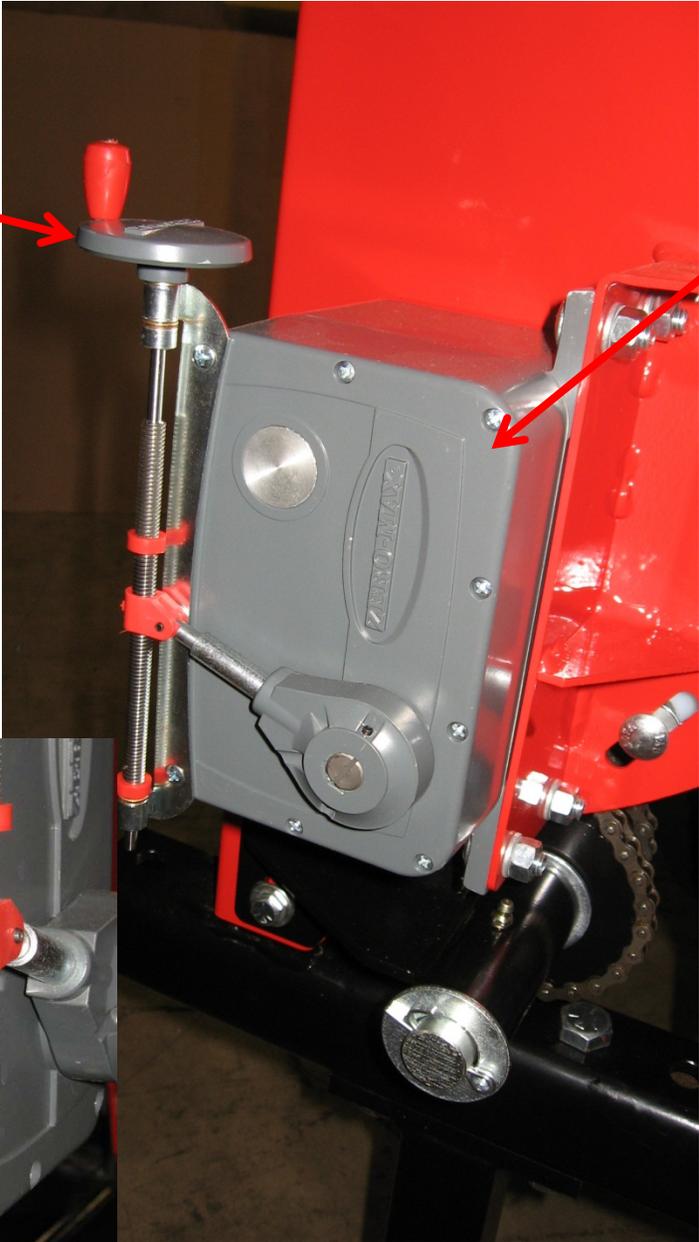
1018 No-Till Zero-Max Features

Infinite rate adjustments are made by turning the screw control to the desired setting. No wear-in period required

Zero-Max Rate Controller consists of a rugged sealed steel housing and is factory lubricated for years of dependable service

Precision rate decal is provided. Simply adjust screw setting to the desired rate and go

Note: It is the responsibility of the operator to ensure that each material is properly calibrated in the applicator prior to application to the field.

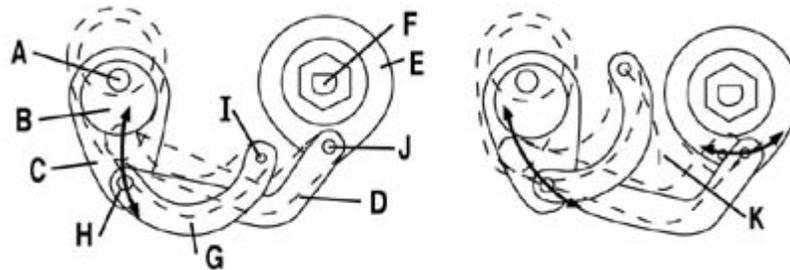


1018 No-Till Zero-Max (How it Works)

Externally, the Zero-Max Adjustable Speed Drive consists of a rugged, sealed cast case, an input shaft, output shaft and speed control. Speed of the output shaft is regulated precisely and easily through a control lever which includes a convenient locking mechanism or a screw control to hold speed at a desired setting. Adjustable speed drive models are available with output in clockwise or counter-clockwise rotation to meet individual speed control requirements. Two adjustable speed drive models are equipped with a reversing lever that permits clockwise, neutral and counter-clockwise operation.

The general principle of operation of Zero-Max Adjustable Speed Drives gives infinitely adjustable speed by changing the distance that four or more one-way clutches rotate the output shaft when they move back and forth successively. The number of strokes per clutch per minute is determined by the input speed. Since one rotation of the input shaft causes each clutch to move back and forth once, it is readily apparent that the input speed will determine the number of strokes or urgings the clutches give the output shaft per minute.

For example, with four clutches working in series and an input of 1800 RPM, the output shaft is urged 7200 times per minute (1800×4) or 120 times per second ($7200 \div 60$). If the input speed is dropped to 900 RPM, the shaft is urged only 3600 times per minute and the maximum output speed will be cut in half.



Looking at Figure 1, the input section, consisting of a shaft (A), eccentrics (B), and connecting rods (C), converts rotary motion into linear motion. At the zero setting, the main links (D) pivot on points (H) and (J) without moving the clutches. At any setting other than zero, the clutches (E) transfer the linear motion back into rotary motion and drive the output shaft (F). A control link (G) swings through arc (K) when the control lever is moved. At any point along arc (K) a different output speed is produced because the direction of throw of the connecting rod is altered from vertical (Figure 1 zero RPM position) toward horizontal (Figure 2 maximum speed position), varying the length of the strokes the main links deliver to the overrunning clutches.

1018 No-Till In-Cab Control Box

Amber indicator monitors air pressure. If air pressure drops too low, indicator light will shutoff

Green indicator flashes to indicate 2nd metering shaft is revolving and metering wheels are dispensing seed

Green indicator flashes to indicate 1st metering shaft is revolving and metering wheels are dispensing seed

On/off switch to control 2nd bank of 9-outlets.

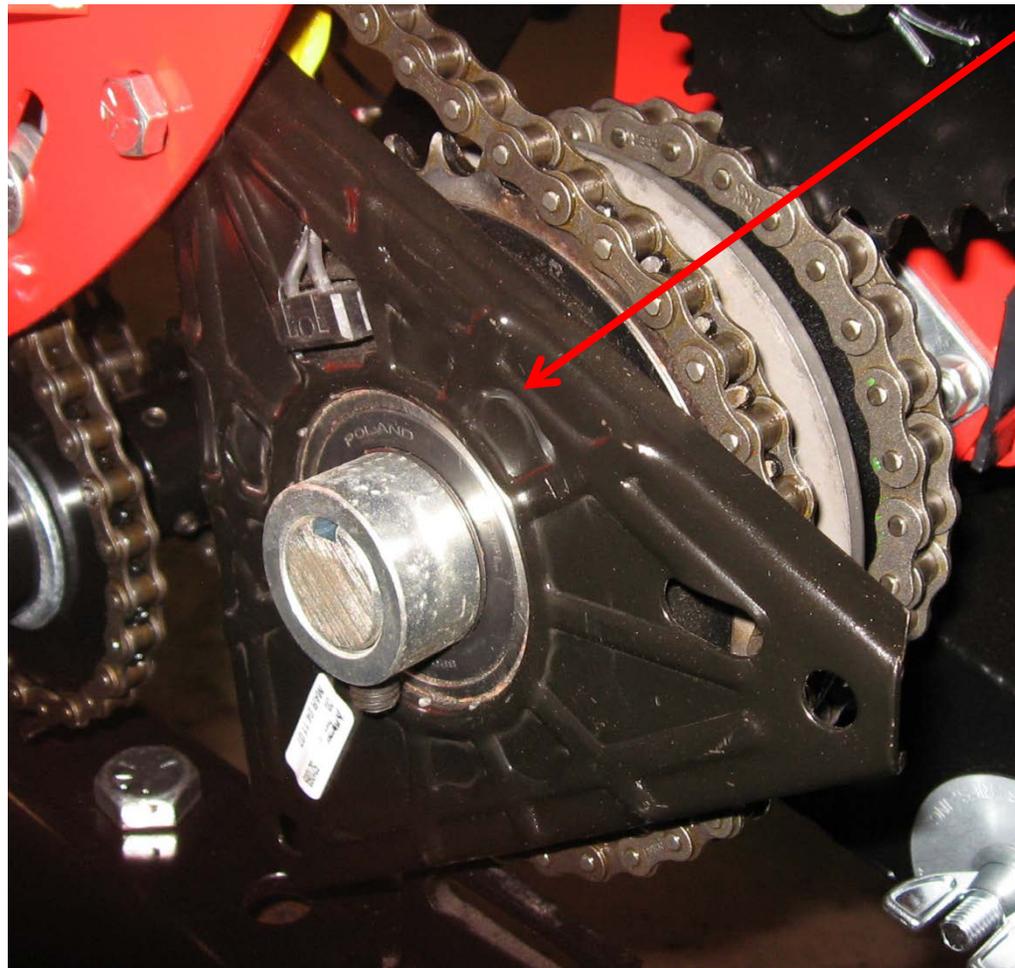
On/off switch to control 1st bank of 9-outlets.



Master on/off switch to control 12-volt drive motor

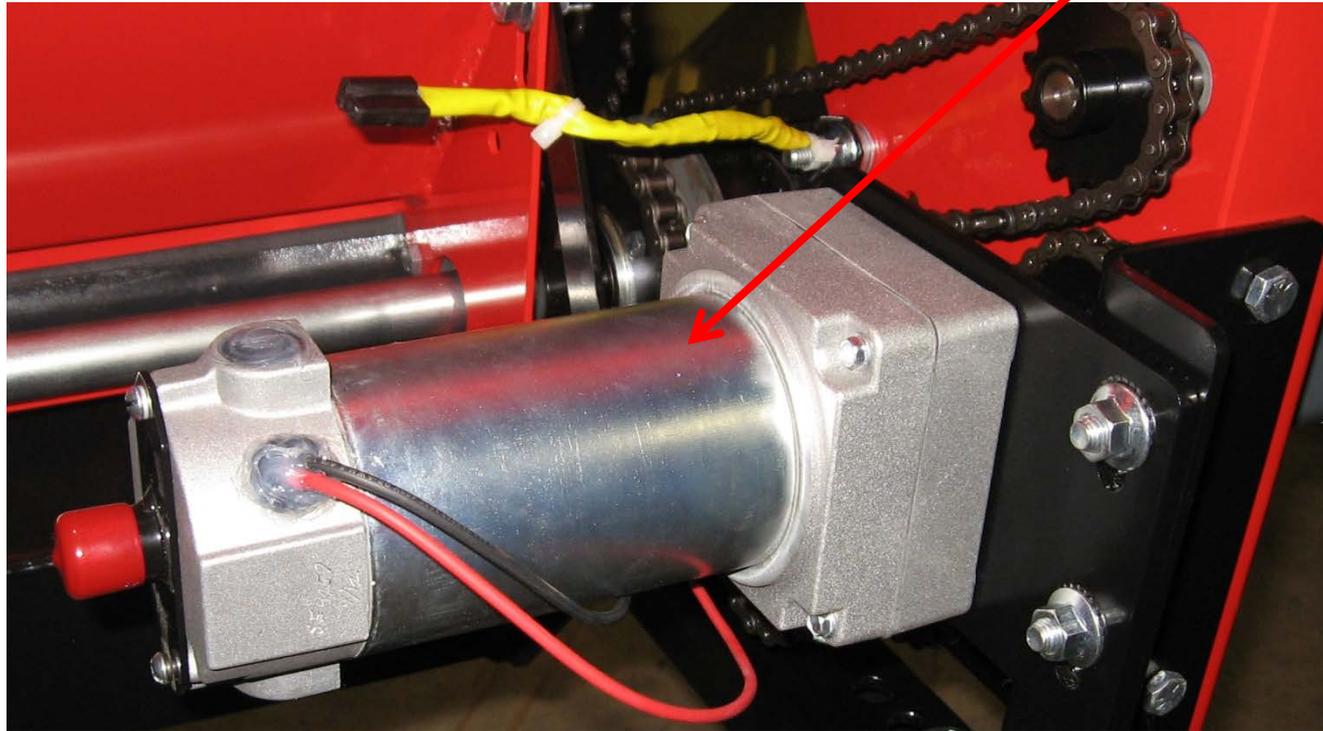
1018 No-Till Electric Clutch Features

Unit includes two (2) electric clutches allowing operator to shutoff each bank of metering outlets independently



1018 No-Till 12-Volt Motor Features

Trouble-free, 12-volt, 25-amp electric motor provides constant speed to Zero-Max Rate Controller. Operator furnished with switch for cab to turn motor on or off



1018 No-Till Hopper – Back View (Unit Shown on Support Stand)

Two (2) sight windows on each side of hopper allow operator to quickly check hopper seed capacity

Four (4) lifting hooks are positioned on each corner

Zero-Max Rate Controller mounted on side of hopper

12-volt, 25-amp electric motor

Electric clutch

9-outlet air manifold

Two (2) cleanout plugs with interchangeable chute allow operator to quickly clean remaining product from hopper. Note: cleanout chute can be removed and switched between



Electric clutch

2-1/2" x 2-1/2" square steel mounting frame

9-outlet air manifold



1018 No-Till Hopper – Front View (Unit Shown on Support Stand)

Two (2) sight windows on each side of hopper allow operator to quickly check hopper seed capacity

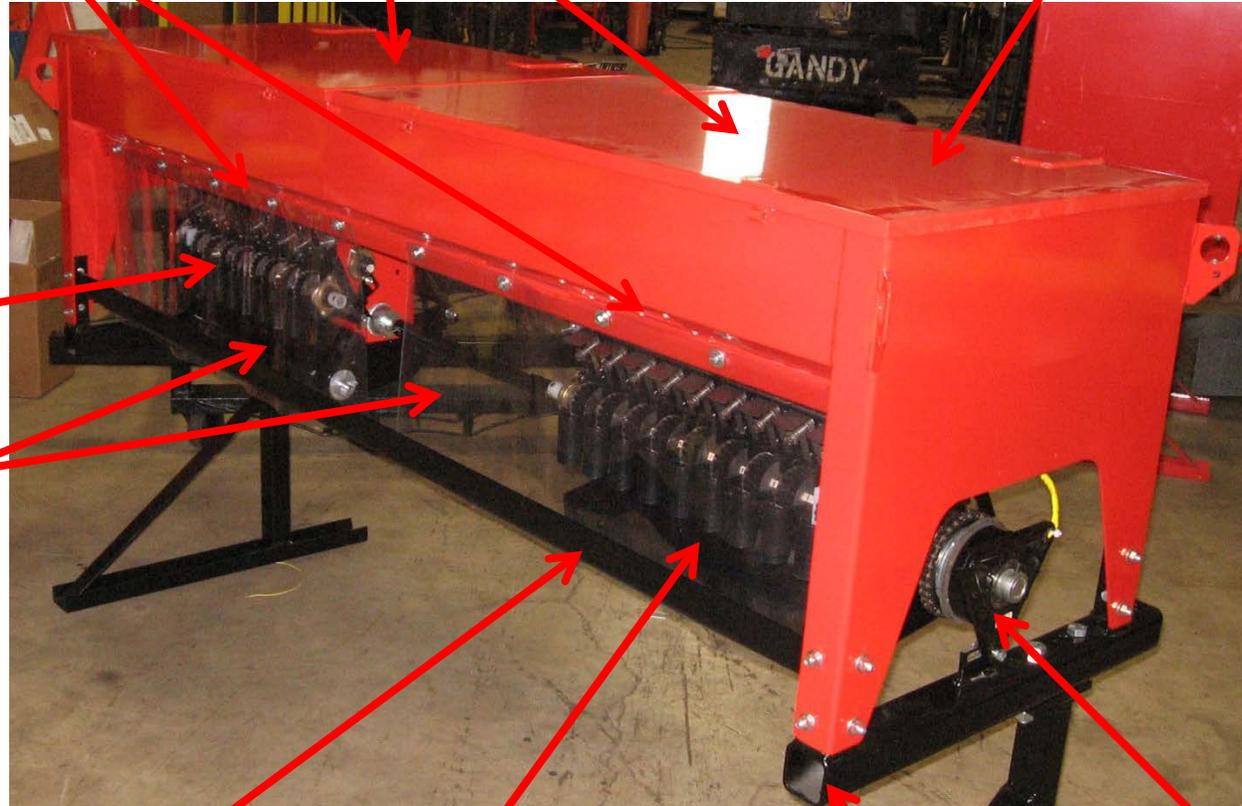
Two (2), reversible weather tight covers keep seed dry and secure

Sturdy 10 cu. ft., (8 bushel) steel hopper with durable powder coat finish for long lasting protection

Bank of 9-outlets include one, 1/2-rate metering wheel on outside row and eight, full-rate metering wheels

Durable poly windscreens shields metering wheels and cups from wind and debris

Four (4) lifting hooks - positioned on each corner



Tube support brace to hold tubing in position

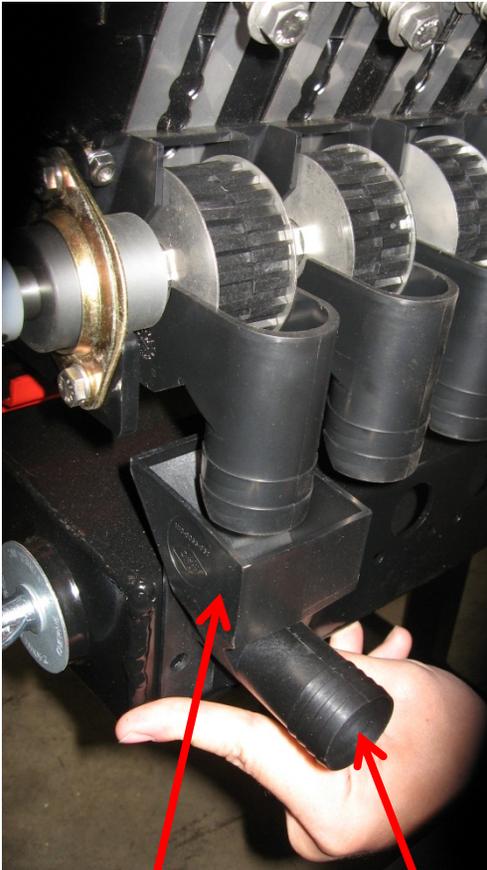
Bank of 9-outlets include one, 1/2-rate metering wheel on outside row and eight, full-rate metering wheels

2-1/2" x 2-1/2" square steel mounting frame

Electric clutch

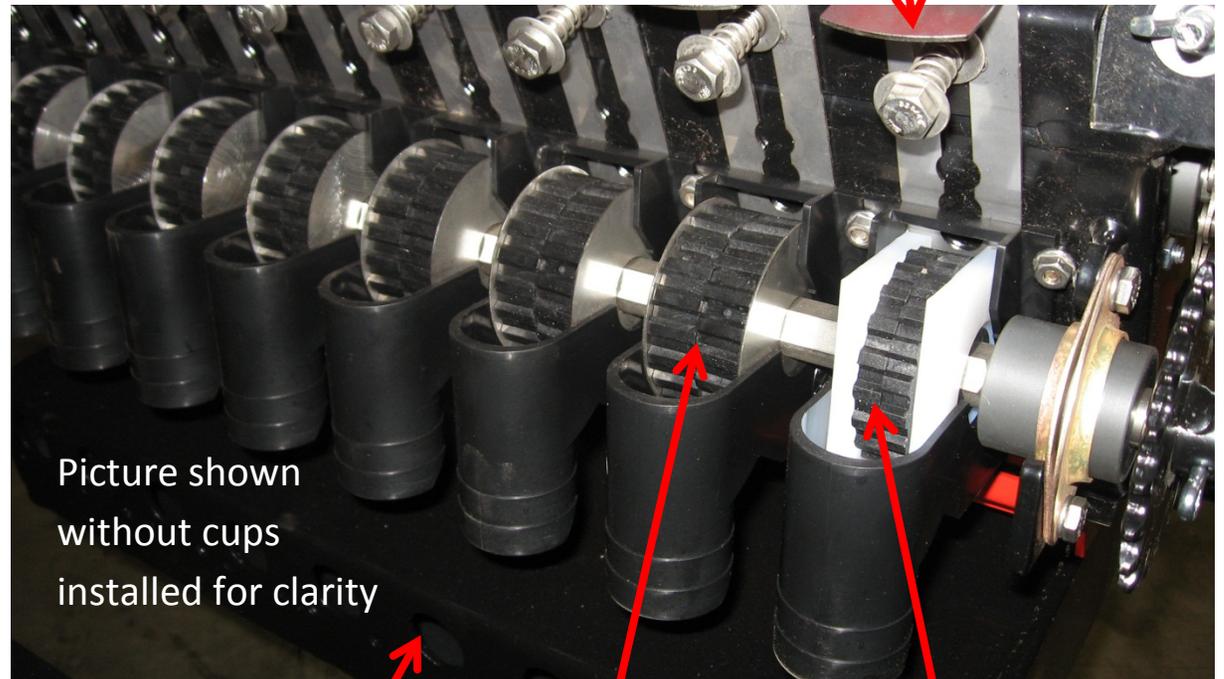
1018 No-Till Hopper – Metering View

4-position closure slides allow operator to set the correct opening size so the proper amount of seed flows to the metering wheel. Operator can close the slide completely to block off row if not needed



Each metering outlet comes with a 1-1/4" cup

Outlet for 1-1/4" I.D. tubing



Picture shown without cups installed for clarity

Blank plates are available to block off outlets on the air manifold and metering outlet if operator does not require all 18 outlets

Black, full-rate metering wheel specifically designed for small seeds at low rates such as rye, alfalfa, canola and granular chemicals. Full-rate red metering wheels are available for seeding oats, wheat, barley etc.

Black, half-rate metering wheel with spacer on outside rows to prevent over application of seed when operator makes the next pass through the field. Half-rate red metering wheels are available for seeding oats, wheat, barley etc.

1018 No-Till Hopper – Inside View

Cleanout plug.
One provided
for each
metering door

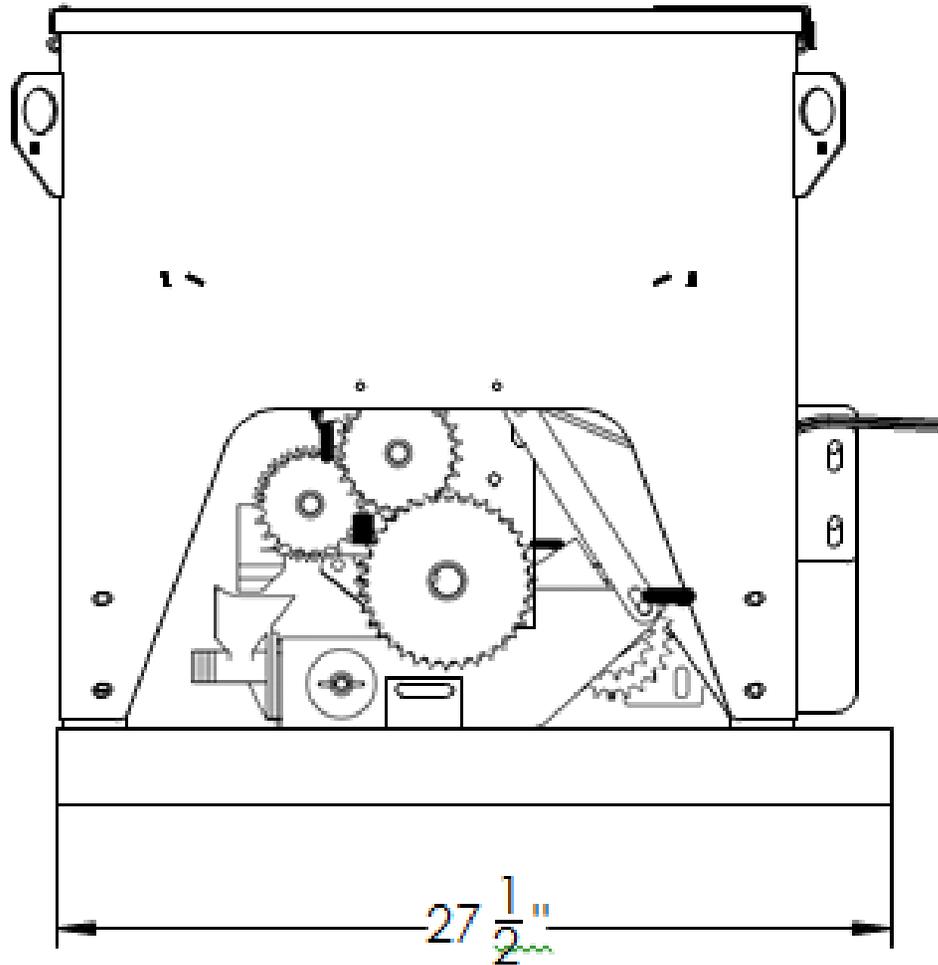


Inside of hopper shown with slide
closures fully closed



Inside of hopper shown with screens
in place

1018 No-Till Hopper Side View Dimensions



1018 No-Till Hopper Front View Dimensions

