

## 3600 Twin-Line® Planters

### Base Machine Description

Specification / Feature	Description	12R N 30Y	12R N 30T	12R W 36-38Y	16R N 30Y	16R N 30T
Meter Type	---	mechanical	mechanical	mechanical	mechanical	mechanical
Row Unit Hopper Capacity	---	1.90 bu.	1.90 bu.	1.90 bu.	1.90 bu.	1.90 bu.
Number of Rows	---	12	12	12	16	16
Row Spacing	---	30"	30"	36-38"	30"	30"
Width – Shipping	→ When transported by truck, the left transport wheel and axle stub assembly are removed to provide narrower shipping width.	8'-6"	8'-6"	10'-3"	8'-6"	8'-6"
Width – Transport	---	11'-2"	11'-2"	13'-4"	11'-2"	11'-2"
Width – Planting	---	31'-2"	31'-2"	37'-2"	41'-2"	41'-2"
Length – Transport	---	36'-10"	36'-10"	45'-10"	46'-10"	46'-10"
Length – Planting	---	21'-0"	21'-0"	22'-0"	24'-0"	24'-0"
Height – Transport	→ Transport height include optional row marker package	11'-4"	11'-4"	11'-4"	11'-5"	11'-5"
Weight – Base Machine	---	12,780 lb.	12,780 lb.	13,522 lb.	15,730 lb.	15,730 lb.
Planter Type	pull type; 3-section flex; hydraulic operation	•	•	•	•	•
Toolbar	two parallel 5" x 7" x ¼" tubes with 3-section flex	•	•	•	•	•
Center Section	4-row center section	•	•	•	•	•
Center Post	7" x 7" stainless steel-clad center post with UHMW plastic wear pads	•	•	•	•	•
Wings	two wings (# of rows)	4	4	4	6	6
Tongue / Hitch	telescoping, hydraulically operated, adjustable height cast iron single clevis hitch	•	•	•	•	•
Flexibility	7° of flex up and down at each wing	•	•	•	•	•
Tires – Transport	four 255 - 70R 22.5 radial load range 'H' tubeless rib implement with center groove	•	•	•	•	•
Tires –Wing / Lift	7.50" x 20" 8 ply rib implement tires with center groove (# of tires per wing)	1	1	1	2	2
Drive System	two 4.80" x 8" spring-loaded contact drive tires (# of tires per wing)	1	1	1	2	2
Seed Transmissions	two end-mounted, quick-adjust with #40 chain	•	•	•	•	•
Electric Point Row Clutch	standard (allows half planter width planting control)	•	•	•	•	•
Drive / Drill Shafts	7/8" hex drive shafts with telescoping U-joints	•	•	•	•	•
Hydraulic Lift System	master / slave rephasing cylinders	2 master 2 slave	2 master 2 slave	2 master 2 slave	2 master 4 slave	2 master 4 slave
Parking Jack	7,000 lb. side-crank	•	•	•	•	•

Specification / Feature	Description	12R N 30Y	12R N 30T	12R W 36-38Y	16R N 30Y	16R N 30T
<i>Safety Chain – Standard</i>	one 40,500 lb. rated ½" chain	•	•	•	•	•
<i>Transport Lights and Signs</i>	safety / warning lights with ASAE connector; SMV sign	•	•	•	•	•
<i>Kinze Pull Row Units</i>	double-disc "V" openers; cast inner and formed steel outer scrapers; welded shank with cast lower disc blade mounting; short hopper support panel with parallel linkage; two load-equalizing depth gauge wheel arms with two wheels and 4" x 16" rubber tires; "V" closing wheel arm with 5-position quick-adjust down force spring handle; drive components and meter clutches for plateless meters	•	•	•	•	•

## Tractor Hydraulic Requirements

Configuration	Requirements		Description
	SCV	gpm	
<i>Base machine with mechanical meters</i>	2 SCV	15 gpm	#1 SCV: planter lift
			#2 SCV: markers / fold (with 12v control console)
<i>Base machine with mechanical meters Hydraulic seed rate control</i>	3 SCV	20 gpm	#1 SCV: planter lift
			#2 SCV: markers / fold (with 12v control console)
			#3 SCV: hydraulic seed rate control

## 3600 ASD Twin-Line® Planters

### Base Machine Description

Specification / Feature	Description	12R N 30	16R N 30
<i>Meter Type</i>	---	mechanical	mechanical
<i>Total Hopper Capacity</i>	---	80 bu.	80 bu.
<i>Number of Rows</i>	---	12	16
<i>Row Spacing</i>	---	30"	30"
<i>Width – Shipping</i>	---	11'-2"	11'-2"
<i>Width – Transport</i>	---	11'-2"	11'-2"
<i>Width – Planting</i>	---	31'-2"	41'-2"
<i>Length – Transport</i>	---	36'-10"	46'-10"
<i>Length – Planting</i>	---	21'-0"	24'-0"
<i>Height – Transport</i>	---	12'-6"	12'-6"
<i>ASD Fill Height</i>	planting position	8'-2"	8'-2"
<i>Weight – Base Machine</i>	---	12,660 lb.	15,120 lb.
<i>Planter Type</i>	pull type; 3-section flex; hydraulic operation	•	•
<i>Toolbar</i>	two parallel 5" x 7" x ¼" tubes with 3-section flex	•	•
<i>Center Section</i>	4-row center section	•	•
<i>Center Post</i>	7" x 7" stainless steel-clad center post with UHMW plastic wear pads	•	•
<i>Wings</i>	two wings (# of rows)	4	6
<i>Tongue / Hitch</i>	telescoping, hydraulically operated, adjustable height cast iron single clevis hitch	•	•
<i>Flexibility</i>	7° of flex up and down at each wing	•	•
<i>Tires – Transport</i>	four 255 - 70R 22.5 radial load range 'H' tubeless rib implement with center groove	•	•
<i>Tires –Wing / Lift</i>	7.50" x 20" 8 ply rib implement tires with center groove (# of tires per wing)	1	2
<i>Drive System</i>	two 4.80" x 8" spring-loaded contact drive tires (# of tires per wing)	1	2
<i>Seed Transmissions</i>	two end-mounted, quick-adjust with #40 chain	•	•
<i>Seed Delivery System</i>	Air Seed Delivery (ASD) system featuring two centrally mounted 40 bushel seed hoppers, seed manifold, hydraulically operated fan with hoses, row unit mini-hoppers, mounting brackets, required fittings, and large catwalk with ladder	•	•
<i>Electric Point Row Clutch</i>	standard (allows half planter width planting control)	•	•
<i>Weight Transfer Mechanism</i>	hydraulically operated weight transfer mechanism for balanced weight transfer across the toolbar	•	•
<i>Drive / Drill Shafts</i>	7/8" hex drive shafts with telescoping U-joints	•	•

Specification / Feature	Description	12R N 30	16R N 30
<i>Hydraulic Lift System</i>	master / slave rephasing cylinders	2 master 2 slave	2 master 4 slave
<i>Parking Jack</i>	7,000 lb. side-crank	•	•
<i>Safety Chain – Standard</i>	one 40,500 lb. rated ½" chain	•	•
<i>Transport Lights and Signs</i>	safety / warning lights with ASAE connector; SMV sign	•	•
<i>Kinze Pull Row Units</i>	double-disc "V" openers; cast inner and formed steel outer scrapers; welded shank with cast lower disc blade mounting; short hopper support panel with parallel linkage; two load-equalizing depth gauge wheel arms with two wheels and 4" x 16" rubber tires; "V" closing wheel arm with 5-position quick-adjust down force spring handle; drive components and meter clutches for plateless meters	•	•

## Tractor Hydraulic Requirements

Configuration	Requirements		Description
	SCV	gpm	
<i>Base machine with mechanical meters Air Seed Delivery (ASD) system</i>	3 SCV	30 gpm	#1 SCV: planter lift
			#2 SCV: markers / fold (with 12v control console)
			#3 SCV: air seed delivery system
<i>Base machine with mechanical meters Air Seed Delivery (ASD) system Hydraulic seed rate control</i>	4 SCV	40 gpm	#1 SCV: planter lift
			#2 SCV: markers / fold (with 12v control console)
			#3 SCV: hydraulic seed rate control
			#4 SCV: air seed delivery system

## 3600 Twin-Line® Planters

### Base Machine Description

Specification / Feature	Description	12R N 30Y	12R N 30T	16R N 30Y
Meter Type	---	EdgeVac®	EdgeVac®	EdgeVac®
Row Unit Hopper Capacity	---	1.75 bu.	1.75 bu.	1.75 bu.
Number of Rows	---	12	12	16
Row Spacing	---	30"	30"	30"
Width – Shipping	→ When transported by truck, the left transport wheel and axle stub assembly are removed to provide narrower shipping width.	8'-6"	8'-6"	8'-6"
Width – Transport	---	11'-2"	11'-2"	11'-2"
Width – Planting	---	31'-2"	31'-2"	41'-2"
Length – Transport	---	36'-10"	36'-10"	46'-10"
Length – Planting	---	21'-0"	21'-0"	24'-0"
Height – Transport	---	11'-4"	11'-4"	11'5"
Weight – Base Machine	---	13,185 lb.	13,185 lb.	16,210 lb.
Planter Type	pull type; 3-section flex; rotating main frame for transport; hydraulic operation	•	•	•
Toolbar	two parallel 5" x 7" x ¼" tubes with 3-section flex	•	•	•
Center Section	4-row center section	•	•	•
Center Post	7" x 7" stainless steel-clad center post with UHMW plastic wear pads.	•	•	•
Wings	two wings (# of rows)	4	4	6
Tongue / Hitch	telescoping, hydraulically operated, adjustable height cast iron single clevis hitch	•	•	•
Flexibility	7° of flex up and down at each wing	•	•	•
Tires – Transport	four 255 - 70R 22.5 radial load range 'H' tubeless rib implement with center groove	•	•	•
Tires – Wing / Lift	7.50" x 20" 8 ply rib implement tires with center groove (# of tires per wing)	1	1	2
Drive System	two 4.80" x 8" spring-loaded contact drive tires (# of tires per wing)	1	1	2
Seed Transmissions	two end-mounted, quick-adjust with No. 40 chain	•	•	•
Seed Meters	includes EdgeVac® seed meters (one per row less seed discs) with dust/sun shields, meter drive clutches, No. 41 chain	•	•	•
Vacuum System	20" diameter vacuum fan with mounting components, hydraulic motor, hoses, valves and fittings; 4" diameter wire-reinforced vacuum feed hoses; vacuum-formed chamber/distribution manifolds with mounting brackets and hardware; 2" diameter meter vacuum hoses with connectors; and analog and electronic digital (12VDC) vacuum gauges	•	•	•
Electric Point Row Clutch	standard (allows half planter width planting control)	•	•	•

Specification / Feature	Description	12R N 30 Y	12R N 30 T	16R N 30 Y
Drive / Drill Shafts	7/8" hex drive shafts with telescoping U-joints	•	•	•
Hydraulic Lift System	master / slave rephasing cylinders	2 master 2 slave	2 master 2 slave	2 master 4 slave
Parking Jack	7,000 lb. side-crank	•	•	•
Safety Chain – Standard	one 40,500 lb. rated 1/2" chain	•	•	•
Transport Lights and Signs	safety / warning lights with ASAE connector; SMV sign	•	•	•
Kinze Pull Row Units	double-disc "V" openers; cast inner and formed steel outer scrapers; welded shank with cast lower disc blade mounting; short hopper support panel with parallel linkage; two load-equalizing depth gauge wheel arms with two wheels and 4" x 16" rubber tires; "V" closing wheel arm with 5-position quick-adjust down force spring handle; drive components and meter clutches for plateless meters	•	•	•

## Tractor Hydraulic Requirements

Configuration	Requirements		Description
Base Machine with EdgeVac® Meters → External case drain required for EdgeVac hydraulic circuit.	3 SCV	30 gpm	#1 SCV: planter lift
			#2 SCV: markers / fold (with 12v control console)
			#3 SCV: EdgeVac® fan
Base Machine with EdgeVac® Meters Hydraulic Seed Rate Control → External case drain required for EdgeVac® hydraulic circuit.	4 SCV	40 gpm	#1 SCV: planter lift
			#2 SCV: markers / fold (with 12v control console)
			#3 SCV: EdgeVac® fan
			#4 SCV: hydraulic seed rate control
Base Machine with EdgeVac® Meters Hydraulic Seed Rate Control Tractor Mounted PTO Hydraulic Pump → Tractor-mounted PTO hydraulic pump supplies oil flow for EdgeVac® hydraulic circuit.	3 SCV	25 gpm	#1 SCV: planter lift
			#2 SCV: markers / fold (with 12v control console)
			#3 SCV: hydraulic seed rate control

## 3600 ASD Twin-Line® Planters

### Base Machine Description

Specification / Feature	Description	12R N 30 Y	16R N 30 Y
<i>Meter Type</i>	---	EdgeVac®	EdgeVac®
<i>Total Hopper Capacity</i>	---	80 bu.	80 bu.
<i>Number of Rows</i>	---	12	16
<i>Row Spacing</i>	---	30"	30"
<i>Width – Shipping</i>	---	11'-2"	11'-2"
<i>Width – Transport</i>	---	11'-2"	11'-2"
<i>Width – Planting</i>	---	31'-2"	41'-2"
<i>Length – Transport</i>	---	36'-10"	46'-10"
<i>Length – Planting</i>	---	21'-0"	24'-0"
<i>Height – Transport</i>	---	12'-6"	12'-6"
<i>ASD Fill Dimension</i>	planting position	8'-2"	8'-2"
<i>Weight – Base Machine</i>	---	13,065	15,600
<i>Planter Type</i>	pull type; 3-section flex; rotating main frame for transport; hydraulic operation	•	•
<i>Toolbar</i>	two parallel 5" x 7" x ¼" tubes with 3-section flex	•	•
<i>Center Section</i>	4-row center section	•	•
<i>Center Post</i>	7" x 7" stainless steel-clad center post with UHMW plastic wear pads.	•	•
<i>Wings</i>	two wings (# of rows)	4	6
<i>Tongue / Hitch</i>	telescoping, hydraulically operated, adjustable height cast iron single clevis hitch	•	•
<i>Flexibility</i>	7° of flex up and down at each wing	•	•
<i>Tires – Transport</i>	four 255 - 70R 22.5 radial load range 'H' tubeless rib implement with center groove	•	•
<i>Tires – Wing / Lift</i>	7.50" x 20" 8 ply rib implement tires with center groove (# of tires per wing)	1	2
<i>Drive System</i>	two 4.80" x 8" spring-loaded contact drive tires (# of tires per wing)	1	2
<i>Seed Transmissions</i>	two end-mounted, quick-adjust with No. 40 chain	•	•
<i>Seed Delivery System</i>	Air Seed Delivery (ASD) system featuring two centrally mounted 40 bushel seed hoppers, seed manifold, hydraulically operated fan with hoses, row unit mini-hoppers, mounting brackets, required fittings, and large catwalk with ladder	•	•
<i>Seed Meters</i>	includes EdgeVac® seed meters (one per row less seed discs) with dust/sun shields, meter drive clutches, No. 41 chain	•	•
<i>Vacuum System</i>	20" diameter vacuum fan with mounting components, hydraulic motor, hoses, valves and fittings; 4" diameter wire-reinforced vacuum feed hoses; vacuum-formed chamber/distribution manifolds with mounting brackets and hardware; 2" diameter meter vacuum hoses with connectors; and analog and electronic digital (12VDC) vacuum gauges	•	•

Specification / Feature	Description	12R N 30 Y	16R N 30 Y
<i>Electric Point Row Clutch</i>	standard (allows half planter width planting control)	•	•
<i>Weight Transfer Mechanism</i>	hydraulically operated weight transfer mechanism for balanced weight transfer across the toolbar	•	•
<i>Drive / Drill Shafts</i>	7/8" hex drive shafts with telescoping U-joints	•	•
<i>Hydraulic Lift System</i>	master / slave rephasing cylinders	2 master 2 slave	2 master 4 slave
<i>Parking Jack</i>	7,000 lb. side-crank	•	•
<i>Safety Chain – Standard</i>	one 40,500 lb. rated 1/2" chain	•	•
<i>Transport Lights and Signs</i>	safety / warning lights with ASAE connector; SMV sign	•	•
<i>Kinze Pull Row Units</i>	double-disc "V" openers; cast inner and formed steel outer scrapers; welded shank with cast lower disc blade mounting; short hopper support panel with parallel linkage; two load-equalizing depth gauge wheel arms with two wheels and 4" x 16" rubber tires; "V" closing wheel arm with 5-position quick-adjust down force spring handle; drive components and meter clutches for plateless meters	•	•

## Tractor Hydraulic Requirements

Configuration	Requirements		Description
<i>Base Machine with EdgeVac® Meters</i> <i>Air Seed Delivery (ASD) system</i> → External case drain required for EdgeVac hydraulic circuit.	4 SCV	45 gpm	#1 SCV: planter lift
			#2 SCV: markers / fold (with 12v control console)
			#3 SCV: EdgeVac® fan
			#4 SCV: air seed delivery system