

KINZE 3000 SERIES PLANTERS

Tractor Hydraulic Requirements

Model 3000

Mechanical Configuration	Requirements		Description
Base Machine with Mechanical Meters and Row Markers	1 SCV	10 gpm	#1 SCV: planter lift and auto sequencing row markers
Base Machine with Mechanical Meters and Dual Valve Conversion on Row Markers	2 SCV	10 gpm	#1 SCV: planter lift
			#2 SCV: markers

Model 3110

Mechanical Configuration	Requirements		Description
Base Machine with Mechanical Meters	0 SCV	0 gpm	No hydraulic requirements
Base Machine with Mechanical Meters and Row Markers	1 SCV	10 gpm	#1 SCV: row markers with sequencing/flow control valve
Vacuum Configuration	Requirements		Description
Base Machine With Vacuum Meters → External case drain required for vacuum hydraulic circuit	1 SCV	15 gpm	#1 SCV: vacuum meters
Base Machine With Vacuum Meters and Row Markers → External case drain required for vacuum hydraulic circuit	2 SCV	25 gpm	#1 SCV: vacuum meters
			#2 SCV: row markers with sequencing/flow control valve

Model 3140

Mechanical Configuration	Requirements		Description
Base Machine with Mechanical Meters	1 SCV	10 gpm	#1 SCV: planter fold
Base Machine with Mechanical Meters and Row Markers	2 SCV	20 gpm	#1 SCV: planter fold
			#2 SCV: row markers with sequencing/flow control valve
Base Machine with Mechanical Meters, Row Markers and Dual Lift Assist Package	3 SCV*	20 gpm	#1 SCV: planter fold
			#2 SCV: row markers with sequencing/flow control valve
			#3 SCV: dual lift assist
Base Machine with Mechanical Meters, Row Markers, Dual Lift Assist Package and Wing Down Flex Package	4 SCV*	20 gpm	#1 SCV: planter fold
			#2 SCV: row markers with sequencing/flow control valve
			#3 SCV: dual lift assist
			#4 SCV: wing down flex
Vacuum Configuration	Requirements		Description
Base Machine with Vacuum Meters → External case drain required for vacuum hydraulic circuit	2 SCV	25 gpm	#1 SCV: vacuum meters
			#2 SCV: planter fold
Base Machine with Vacuum Meters and Row Markers → External case drain required for vacuum hydraulic circuit	3 SCV	35 gpm	#1 SCV: vacuum meters
			#2 SCV: planter fold
			#3 SCV: row markers with sequencing/flow control valve
Base Machine with Vacuum Meters, Row Markers and Dual Lift Assist Package → External case drain required for vacuum hydraulic circuit	4 SCV*	35 gpm	#1 SCV: vacuum meters
			#2 SCV: planter fold
			#3 SCV: row markers with sequencing/flow control valve
			#4 SCV: dual lift assist
Base Machine with Vacuum Meters, Row Markers, Dual Lift Assist Package and Wing Down Flex Package → External case drain required for vacuum hydraulic circuit	5 SCV*	35 gpm	#1 SCV: vacuum meters
			#2 SCV: planter fold
			#3 SCV: row markers with sequencing/flow control valve
			#4 SCV: dual lift assist
			#4 SCV: wing down flex

*Some options may be combined to reduce the number of SCV outlets required. Refer to your Operator's manual for additional details.

Model 3200

Mechanical Configuration	Requirements		Description
Base Machine with Mechanical Meters	2 SCV	15 gpm	#1 SCV: planter lift #2 SCV: markers
Base Machine with Mechanical Meters and Hydraulic Wing Fold	2 SCV	15 gpm	#1 SCV: planter lift #2 SCV: markers/fold (with manual selector valve)
Vacuum Configuration	Requirements		Description
Base Machine with Vacuum Meters → External case drain required for vacuum hydraulic circuit	3 SCV	30 gpm	#1 SCV: planter lift #2 SCV: markers #3 SCV: vacuum fan
Base Machine with Vacuum Meters and Hydraulic Wing Fold → External case drain required for vacuum hydraulic circuit	3 SCV	30 gpm	#1 SCV: planter lift #2 SCV: markers/fold (with manual selector valve) #3 SCV: vacuum fan

Model 3500

Mechanical Configuration	Requirements		Description
Base Machine with Mechanical Meters	2 SCV	10 gpm	#1 SCV: planter lift #2 SCV: markers/fold (with manual selector valve)
Mechanical Bulk Fill Configuration	Requirements		Description
Base Machine with Mechanical Meters and Bulk Fill System → External case drain required for Bulk Fill hydraulic circuit. → Tractors with an open center hydraulic system will require a PTO pump. Closed center hydraulic systems, pressure compensated pumps and load sense pumps do not require a PTO pump if there is adequate flow.	2 SCV	15 gpm	#1 SCV: planter lift/bulk fill #2 SCV: markers/fold (with manual selector valve)
Base Machine with Mechanical Meters, Bulk Fill System and Tractor Mounted PTO Hydraulic Pump	2 SCV	15 gpm	#1 SCV: planter lift #2 SCV: markers/fold (with manual selector valve)
Vacuum Configuration	Requirements		Description
Base Machine with Vacuum Meters - 6R → External case drain required for vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 15	3 SCV	30 gpm	#1 SCV: planter lift #2 SCV: markers/fold (with manual selector valve) #3 SCV: vacuum fan
Base Machine with Vacuum Meters - 8R → External case drain required for vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 10	3 SCV	20 gpm	#1 SCV: planter lift #2 SCV: markers/fold (with manual selector valve) #3 SCV: vacuum fan
Vacuum Bulk Fill Configuration	Requirements		Description
Base Machine with Vacuum Meters and Bulk Fill System → One external case drain required for bulk fill / vacuum hydraulic circuit → Tractors with an open center hydraulic system will require a PTO pump. Closed center hydraulic systems, pressure compensated pumps and load sense pumps do not require a PTO pump if there is adequate flow. → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the bulk fill and vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 5	3 SCV	20 gpm	#1 SCV: planter lift/bulk fill #2 SCV: markers/fold (with manual selector valve) #3 SCV: vacuum fan

Model 3600

Mechanical Configuration	Requirements		Description
Base Machine with Mechanical Meters	2 SCV	15 gpm	#1 SCV: planter lift #2 SCV: markers/fold (with 12v control console)
Base Machine with Mechanical Meters and Hydraulic Drive	3 SCV	20 gpm	#1 SCV: planter lift #2 SCV: markers/fold (with 12v control console) #3 SCV: hydraulic drive

Model 3600 (cont'd)

Mechanical Bulk Fill Configuration	Requirements		Description
Base Machine with Mechanical Meters and Bulk Fill System → External case drain required for bulk fill hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the bulk fill hydraulic circuit reducing the required SCVs by 1 and gpm by 10	3 SCV	25 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: bulk fill system
Base Machine with Mechanical Meters, Bulk Fill System and Hydraulic Drive → External case drain required for bulk fill hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the bulk fill hydraulic circuit reducing the required SCVs by 1 and gpm by 10	4 SCV	30 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: hydraulic drive
			#4 SCV: bulk fill system
Vacuum Configuration	Requirements		Description
Base Machine with Vacuum Meters → External case drain required for vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 15	3 SCV	30 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: vacuum fan
Base Machine with Vacuum Meters and Hydraulic Drive → External case drain required for vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 15	4 SCV	40 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: hydraulic drive
			#4 SCV: vacuum fan
Vacuum Bulk Fill Configuration	Requirements		Description
Base Machine with Vacuum Meters and Bulk Fill System → One external case drain required for bulk fill / vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 10	4 SCV	40 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: vacuum fan
			#4 SCV: bulk fill system

Model 3660

Mechanical Configuration	Requirements		Description
Base Machine with Mechanical Meters and Hydraulic Drive	3 SCV	20 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: hydraulic drive/hydraulic weight transfer
Base Machine with Mechanical Meters, True Depth™ (Hydraulic Down Force) and Hydraulic Drive	4 SCV	24 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: hydraulic drive/hydraulic weight transfer
			#4 SCV: True Depth™ (hydraulic down force)
Mechanical Bulk Fill Configuration	Requirements		Description
Base Machine with Mechanical Meters, Bulk Fill System and Hydraulic Drive → External case drain required for bulk fill hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the bulk fill hydraulic circuit reducing the required SCVs by 1 and gpm by 10	4 SCV	30 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: hydraulic drive/hydraulic weight transfer
			#4 SCV: bulk fill system
Base Machine with Mechanical Meters, True Depth™ (Hydraulic Down Force), Bulk Fill System and Hydraulic Drive → External case drain required for bulk fill hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the bulk fill hydraulic circuit reducing the gpm by 10	4 SCV	34 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: hydraulic drive/hydraulic weight transfer
			#4 SCV: bulk fill system/ True Depth™ (hydraulic down force)
Vacuum Configuration	Requirements		Description
Base Machine with Vacuum Meters and Hydraulic Drive → External case drain required for vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 15	4 SCV	40 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: vacuum fan
			#4 SCV: hydraulic drive/hydraulic weight transfer
Base Machine with Vacuum Meters True Depth™ (Hydraulic Down Force) and Hydraulic Drive → External case drain required for vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 14 → Add 4 gpm for split row/even row	5 SCV	44 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: vacuum fan
			#4 SCV: hydraulic drive/hydraulic weight transfer
			#5 SCV: True Depth™ (hydraulic down force)

Model 3660 (cont'd)

Vacuum Bulk Fill Configuration	Requirements		Description
Base Machine with Vacuum Meters, Bulk Fill System and Hydraulic Drive or Blue Drive™ (16R only) → External case drain required for bulk fill vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 10	5 SCV	50 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control cosole)
			#3 SCV: vacuum fan
			#4 SCV: hydraulic drive/hydraulic weight transfer
			#5 SCV: bulk fill system
Base Machine with Vacuum Meters, True Depth™ (hydraulic down force) (16R only), Bulk Fill System and Hydraulic Drive or Blue Drive™ (16R only) → One external case drain required for bulk fill / vacuum hydraulic circuit → Use of a Tractor-mounted PTO hydraulic pump supplies oil flow for the vacuum hydraulic circuit reducing the required SCVs by 1 and gpm by 10 → Add 4 gpm for split row/even row	5 SCV	54 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control cosole)
			#3 SCV: vacuum fan
			#4 SCV: hydraulic drive/hydraulic weight transfer
			#5 SCV: bulk fill system/True Depth™ (hydraulic down force)

Model 3700

Mechanical Configuration	Requirements		Description
Base Machine with Mechanical Meters	2 SCV	15 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
Base Machine with Mechanical Meters and Hydraulic Drive	3 SCV	25 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: hydraulic drive
Mechanical Bulk Fill Configuration	Requirements		Description
Base Machine with Mechanical Meters and Bulk Fill System → External case drain required for bulk fill hydraulic circuit	3 SCV	25 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: bulk fill system
Base Machine with Mechanical Meters, Bulk Fill System and Hydraulic Drive → External case drain required for bulk fill hydraulic circuit	4 SCV	35 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control cosole)
			#3 SCV: hydraulic drive
			#4 SCV: bulk fill system
Vacuum Configuration	Requirements		Description
Base Machine with Vacuum Meters and Tractor Mounted PTO Hydraulic Pump → Tractor-mounted PTO hydraulic pump supplies oil flow for vacuum hydraulic circuit.	2 SCV	15 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
Base Machine with Vacuum Meters, Tractor Mounted PTO Hydraulic Pump and Hydraulic Drive → Tractor-mounted PTO hydraulic pump supplies oil flow for vacuum hydraulic circuit.	3 SCV	25 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: hydraulic drive
Vacuum Bulk Fill Configuration	Requirements		Description
Base Machine with Vacuum Meters, Bulk Fill System and Tractor Mounted PTO Hydraulic Pump → External case drain required for bulk fill vacuum hydraulic circuit → Tractor-mounted PTO hydraulic pump supplies oil flow for vacuum hydraulic circuit.	3 SCV	25 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control console)
			#3 SCV: bulk fill system
Base Machine with Vacuum Meters, Bulk Fill System, Tractor Mounted PTO Hydraulic Pump and Hydraulic Drive → One external case drain required for bulk fill / vacuum hydraulic circuit → Tractor-mounted PTO hydraulic pump supplies oil flow for vacuum hydraulic circuit.	4 SCV	35 gpm	#1 SCV: planter lift
			#2 SCV: markers/fold (with 12v control cosole)
			#3 SCV: hydraulic drive
			#4 SCV: bulk fill system