



## SAND STAR SERIES PARALLEL

MODELS	45-204-A	Sand Star IV
<b>POWER</b>	18hp (13.5 kW) Vanguard V twin cylinder , air cooled, gasoline Cast iron sleeves, electronic ignition Full pressure lubrication with oil filter Engine mounted air cleaner and remote mounted Cyclonic air intake	
<b>CONFIGURATION</b>	3-wheel tricycle configuration, rear engine placement	
<b>DRIVE</b>	Direct drive hydrostatic variable displacement pump to two hydraulic drive motors on rear wheels and one hydraulic motor on front wheel. Series-Parallel traction drive to all 3 wheels. Hydraulic oil system cooler with engine driven air flow.	
<b>SPEED</b>	<b>Forward:</b> 0-10 mph (0-16 kph) Reverse: 0-5 mph (0-8 kph)	
<b>BRAKING</b>	Dynamic braking through the hydrostatic transmission Two hand operated, 8" drum type park/emergency brake	
<b>CONSTRUCTION</b>	Heavy gauge square steel tubing, hydraulically formed, electrically welded.	
<b>TIRES/WHEELS</b>	Purchasers choice of (3) 22 x 11 - 10 knobbed sand tires, -or- (3) 23-10.50 x 12 turf tires	
<b>STEERING</b>	Hydraulic power steering, 15" (38 cm) diameter automotive type, adjustable tilt steering wheel.	
<b>CONTROLS</b>	Dual foot pedal for forward and reverse operation of traction drive system with "Pro-Pedal" system connecting engine throttle to hydraulic demand (Engine speed increases as hydraulic system demand increases) Hydraulic engage/disengage levers control rear mounted and center mounted implements.	
<b>SEAT</b>	Deluxe padded, vinyl covered seat, 1 piece molded, adjustable operator position	
<b>ELECTRICAL</b>	12 volt electric start, dash mounted Ignition switch, operator presence switch in seat, 3WD on/off with 3WD units.	
<b>SOUND LEVEL</b>	87dB(A) under normal operating conditions	
<b>DIMENSIONS (Inches/m)</b> (Length-Width-Height)	68 in (1.73m) - 58 in (1.47m) - 52 in (1.2m) Wheelbase: 42 in (1.064m) Ground Clearance 5.5" - 7" (13 -18 cm) - under cultivator depending on attachment	
<b>WEIGHT</b>	915 lbs. ( 415 kg)	
<b>LIQUID CAPACITIES</b>	Gasoline (unleaded): 5 gallons (19 liter) in high density nylon low-perm tank Hydraulic system oil: 5 gallons (19 liter) in high density polyethylene tank	
<b>SAFETY &amp; CONFORMANCE</b>	Complies with all applicable ANSI, OSHA, and European Machinery Directive standards	

**OPTIONS**

15-622 Weather Canopy  
 45-004 Smithco Engineered Roll Bar  
 45-016 Light Kit

**IMPLEMENTS**

Many efficient and effective implements for constructing and maintaining sand bunkers and other areas on the golf course. Please see below.

**Rear Mounted Implements****SHIP WT.**

<b>13-298Q</b>	Fan Rake for Sand Traps	36
<b>13-319</b>	Fan Rake Add On for 13-438 Rake Assembly	20
<b>13-438Q</b>	Sand Trap Rake Assembly	66
<b>13-758</b>	Max Flex Rake (2013 and Newer Models)	66
<b>13-684</b>	Brush Attachment for all rakes except 42-130	20
<b>13-740</b>	Brush Attachment for 42-130	20
<b>42-130Q</b>	84" (213 cm) Mild Steel Tournament Rake	85
<b>42-132Q</b>	72" (189 cm) Mild Steel Tournament Rake	75
<b>42-392Q</b>	84" (213 cm) Multi Brush Rake	100
<b>42-391Q</b>	72" (189 cm) Multi Brush Rake	90
<b>41-501</b>	Typhoon Pumping System	480
<b>45-010</b>	Box Grader	273
<b>45-176</b>	Drag Mat w/ Finisher Blade	140
<b>41-502</b>	EarthWay <sup>®</sup> Spreader	50

**Center Mounted Implements**

<b>45-018</b>	Center Attachment Lift	20
<b>45-006</b>	Sand Cultivator	20
<b>45-013</b>	Sand Cultivator w/ Castor Wheels	40
<b>45-014</b>	Weed Cultivator	25
<b>45-008</b>	Sand Cultivator w/ Spring Tine Teeth	20
<b>45-007</b>	Infield Scarifier w/ Vertical Blades	25
<b>45-011</b>	Infield Scarifier w/ Chisel Blades	25
<b>45-012</b>	Construction Leveling Blade	38
<b>45-015</b>	Motorized Brush (only Sand Star I and II)	30
<b>45-175</b>	Adjustable Disc Edger	50

**Front Mounted Implements**

<b>45-005</b>	40" (102 cm) Hydraulic Plow	70
<b>45-009</b>	40" (102 cm) Manual Plow	65
<b>45-019</b>	60" (155 cm) Aluminum Manual Plow	100
<b>45-179</b>	40" (102 cm) Adjustable Angle Manual Plow	70
<b>45-180</b>	60" (155 cm) Adjustable Angle Manual Plow	100

**GREEN STAR****ROLLER-BRUSH-SPIKER SYSTEM**

<b>42-550Q</b>	<b>Green Star Total RBS System</b> <i>Complete Roller, Brush and Spiker &amp; mounting frame</i>	285
<b>42-586Q</b>	<b>Green Star RBS Main Frame only</b> <i>Mounting frame</i>	50
<b>42-581</b>	<b>Green Star Roller Set (3) only</b> (Requires 42-586Q Main Frame Assembly)	85
<b>42-585</b>	<b>Green Star Brush Set (3) only</b> (Requires 42-586Q Main Frame Assembly)	20
<b>42-582</b>	<b>Green Star Spiker Set (3) only</b> (Requires 42-586Q Main Frame Assembly)	130