

48/54-900 PERFORMANCE SPECIFICATIONS

POWER TRAIN		
	Tier 3	Tier 4 final
Engine	Deutz D914LO6 Tier 3 Diesel	Volvo TAD571VE Tier 4f Diesel
Rating	174 HP (130 kW)	173 HP (129 kW)
Maximum Engine Speed	2300 RPM	2200 RPM
Engine Torque	373 ft-lbs. (505.7 Nm) @ 2300 RPM	395 ft-lbs. (536 Nm) @ 2200 RPM
	468 ft-lbs. (634.5 Nm) @ 1600 RPM	597 ft-lbs. (809 Nm) @ 1200 RPM
Fuel Capacity	39 U.S. Gallons (148 L)	33 U.S. Gallons (125 L)
Hydraulic Capacity	22 U.S. Gallons (83 L)	2 U.S. Gallons (83 L)

TRANSMISSION		
	Tier 3	Tier 4 final
Type	Eaton FS-5205A, 5 - speed	Eaton FS-5205A, 5 -speed
Clutch	Dual plate, spring applied with 14 in. (356 mm) Diameter Single Disk/Hydraulically Assisted Clutch Actuator	Dual plate, spring applied with 14 in. (356 mm) Diameter Single Disk/Hydraulically Assisted Clutch Actuator

GEARBOX	
Ratio	38.8:1

HYDRAULIC SYSTEM	
Maximum Thrust	900,000 lbs. (408 Tonnes)
Hydraulic Thrust Cylinder	(2) 9 in. Bore x 35 in. Stroke (229 mm x 889 mm)

MASTER PUSHER	
Diameter	48 in. (1,219 mm)
Working Range	24 in. – 54 in. (610 – 1,372 mm) Casing Diameter
Hex Drive	4 in. (102 mm)

QUIK	
The Quik Split frame design allows the machine to be separated into sections to accommodate lighter and faster lifts into and out of the bore pit, and aids the operator in being able to facilitate better and safer machine positioning.	Quik Tran is the fast return system, made available exclusively from American Augers, as it provides up to 10,000 lbs. (4,536 kg) of push/pull at high speed, and there will be no dogging or winching during retract, as the Quik Tran system engages directly to the machine track. Quik Trans benefit will be easier machine operation in challenging work climates or conditions.

SPOIL DOOR	
With a Safety-First commitment all American Augers horizontal earth boring machines are equipped with a gravity activated-manual spoil door, which deflects thrown debris from the spoil chamber.	

DIMENSIONS	
Length	14 ft. 6 in. (4.42 m)
Width	5 ft. 9 in. (1.75 m)

Height	Tier 3: 6 ft. 2 in. (1.89 m) Tier 4f: 7 ft. 6 in. (2.29 m)
Master Track Length	15 ft. (4.57 m) w/1 in. (25 mm) back plate
Master Track Width	5 ft. 6 in. (1.67 m)
Centerline	32.89 in. (835.4 mm)
Extension Track Length	10 ft. (3 m)
Extension Track Width	5 ft. 6 in. (1.67 m)

WEIGHTS	
Base Unit (Split Weight)	6,200 lbs. (2,812 kg)
Power Pack (Split Weight)	7,200 lbs. (3,266 kg)
Master Pusher	1,700 lbs. (771 kg)
Master Track	3,700 lbs. (1,678 kg)
Lifting Sling	200 lbs. (91 kg)
Total Weight	TIER 3: 19,200 lbs. (8,709 kg) TIER 4f: 21,400 lbs. (9,707 kg)
Extension Track	2,800 lbs. (1,270 kg) each
Master Saddle	310 lbs. (140 kg)

MISCELLANEOUS	
Work Lights	(3) 12 Volt
Extension Track	-2
Master Saddle	(1) 48 in. (1,219 mm) compatible