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Model	MA100	MA185	MA375DP	MA400
Air Delivery				
Actual Free Air Delivery (cfm)	100 cfm	185 cfm	High Pressure: 330 Low Pressure: 375	400
Normal Operating Pressure (PSI)	100 PSI		High Pressure: 150 Low Pressure: 100	100
MAX Working Pressure (PSI)	115 PSI		175	125
Receiver Tank Capacity (gal)	5.3 gal		20.3	
Lubrication System Capacity (gal)	2.6 gal	4.0 gal	10.6	
Air Valves	3/4" - qty 2	3/4" - qty 2	2" - qty 1 3/4" - qty 2	
Control Detail				
Control Display Outputs (Hourmeter, etc.)	Fuel Level Engine RPM Engine Coolant Temperature Glow Plugs Charging System ECO Mode Alarm & Error Codes		Fuel Level Engine RPM Engine Coolant Temperature Glow Plugs Charging System ECO Mode Alarm & Error Codes High / Low Pressure Mode Switch	Fuel Level Engine RPM Engine Coolant Temperature Glow Plugs Charging System ECO Mode Alarm & Error Codes
Engine Detail				
Engine Make	Kubota	Yanmar	Kubota	
Engine Model	D1005	4TNV88C	V3800-T	
Engine Induction	Naturally Aspirated	Naturally Aspirated	Turbocharged with Charge Air Cooler	
Engine Displacement (L)	1.0 L	2.2 L	3.8 L	
Number of Cylinders	3 Cylinders		4 Cylinders	
Type of After-Treatment	None	None	Diesel Oxidation Catalyst (DOC) Selective Catalytic Reduction (SCR) Diesel Particulate Filter (DPF)	
Mechanical Output at Rated Speed (HP (kW))	24.8 Hp (18.5 kWm) @ 3,200 RPM	47.6 Hp (35.5 kWm) @ 3,000 RPM	115.8 Hp (86.4 kWm) @ 2,600 RPM	
Engine Speed @ MAX Load (RPM)	3,200 RPM	3,000 RPM	High Pressure: 2,700 Low Pressure: 2,400	2,600 RPM
Engine Speed @ No Load (RPM)	1,800 RPM	1,350 RPM	1,300 RPM	1,300 RPM
Engine Control Panel	Ignition Switch w/ Digital Display		LCD Screen	
Acceptable Fuel Types (Engine Only)	Ultra Low Sulfur Diesel (ULSD)			
Fuel Consumption @ Full Load (gal/hr)	1.6 gal/hr	2.4 gal/hr	High Pressure: 5.1 gal/hr Low Pressure: 5.0 gal/hr	5.5 gal/hr
Fuel Run Time @ Full Load	6.5 hrs	10 hrs	9 hrs	8.5 hrs
Diesel Exhaust Fluid (DEF) Tank Size (gal)	Not Applicable		5.3 gal	
DEF Consumption @ Full Load (gal/hr)	Not Applicable		0.12 gal/hr	
DEF Run Time @ Full Load	Not Applicable		44 hrs	
Engine Oil Capacity With Filter (gal)	1.2 gal	2.0 gal	3.4 gal	

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Engine Detail (continued)				
Oil Change Interval (hours)	500 hrs	500 hrs		500 hrs
Engine Cooling System Capacity (gal)	1.1 gal	1.9 gal		4.1 gal
Engine Fuel Filter Change Interval (hours)	500 hrs	500 hrs		500 hrs
Electrical System Voltage	12 Volt DC			
Battery Size	85D26R	95D31R		130F51
Battery (CCA)	615	620		843
Air Compressor Detail				
Type of Compressor	Single-Stage Oil Cooled, Screw Type Compressor		Dual Pressure, Single-Stage Oil Cooled, Screw Type Compressor	Single-Stage Oil Cooled, Screw Type Compressor
Control Type	Unloader Valve			
Lubricating System	Forced lubrication by compressed pressure			
Compressor Oil Change Interval (hours)	500 hrs			
Drive System	Direct driving with gear coupling		Direct driving with rubber coupling	
Air Filtration	Two-Stage with tangential pre-cleaner			
NVH - Noise, Vibration, Harshness				
Sound Level @ 23 ft (NO LOAD) - dBA	55 dBA	63 dBA		60 dBA
Sound Level @ 23 ft (FULL LOAD) - dBA	68 dBA	76 dBA		76 dBA
Weights and Dimensions - With Trailer				
Net Dry Weight (lbs)	1,393 lbs	2,070 lbs	4,197 lbs	4,227 lbs
Operating Wet Weight NO fuel & DEF (lbs)	1,465 lbs	2,165 lbs	4,470 lbs	4,500 lbs
Operating Wet Weight FULL fuel & DEF (lbs)	1,525 lbs	2,320 lbs	4,800 lbs	4,810 lbs
Gross Vehicle Weight Ratings - GVWR (lbs)	2,200 lbs	2,975 lbs	5,080 lbs	
Length (in)	120.0 in	132.0 in	176.0 in	
Width (in)	55.3 in	68.0 in	78.0 in	
Track Width (in)	47.25	57.5 in	69.0 in	
Height (in)	53.5 in	60.0 in	71.0 in	
Truck Load Shipping Quantities - 48' flatbed		6		
Weights and Dimensions - Skid Mount				
Net Dry Weight (lbs)	1,179 lbs	1,797 lbs	3,836 lbs	
Operating Wet Weight NO fuel & DEF (lbs)	1,251 lbs	1,892 lbs	4,109 lbs	
Operating Wet Weight FULL fuel & DEF (lbs)	1,289 lbs	2,024 lbs	4,365 lbs	
Length (in)	64.0 in	78.0 in	107.0 in	
Width (in)	42.0 in	50.0 in	58.0 in	
Height (in)	38.0 in	47.0 in	56.0 in	
Number of Units on 48' Flatbed	8	6	3	3
Number of Units on 53' Flatbed	9	6	3	3

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Trailer Detail				
Standard Trailer Coupler	Adjustable Height 2" Ball Coupler		Adjustable Height 3" Lunette Ring	
Optional Trailer Couplers	Adjustable Height: 2-5/16" Ball Coupler 2" Bulldog 2-5/16" Bulldog 3" Lunette Ring		Adjustable Height: 2" Ball Coupler 2-5/16" Ball Coupler 2" Bulldog 2-5/16" Bulldog	
Electrical Connector	4-Way Flat Connector		7-Way Flat Pin Connector	
Tongue jack load capacity	5,000 lbs			
Tire Size	ST175/80D13 Load Range 'C'	ST205/75R15 Load Range 'C'	ST225/75R15 Load Range 'D'	
Axle Type	Single Axle w/ Leaf Spring			
Axle Quantity	1 Axle			
Trailer Brake Type	Not required by the Federal Motor Vehicle Safety Standards (FMVSS)		Electric with Breakaway Brakes (STD)	
Body Detail				
Fluid Containment	No Available			
Fuel Tank Size (gal)	10.6 gal	24 gal	47 gal	
Fuel Tank Material & Construction	Welded Steel	Rotationally Molded Polyethylene	Welded Steel	
Fuel fill port size	2.65 in dia	2.00 in dia	2.65 in dia	
Enclosure (Material & Gauge)	Steel - 14 Ga covers and doors			
Door Hinge Material	Steel hinge and hinge pins			
Lifting Eye	Lifting eye at top of machine			
Compliance & Certifications				
Fluid Containment (%)	Not Available			
USA DOT Compliant	Yes			
CSA Listed	Not CSA Listed			
Transport Canada Compliant	Yes			
EPA Tier Level - Engine	Tier 4 Final			
Warranty Coverage				
Body, Trailer, Air End & Controls	1 year parts and labor 2 years parts only			
Engine	1 year parts and labor 2 years parts only			
Available Options				
Fluid Containment	Not Available			
Skid Mount	✓	✓	✓	✓
50 Foot Hose Reel	✓	✓	✓	✓
Block Heater	✓	✓	✓	✓
Battery Charger	✓	✓	✓	✓
Battery Disconnect		✓		
2" Ball Coupler	✓	✓	✓	✓
2" Bulldog Coupler	✓	✓	✓	✓
2 5/16" Ball Coupler	✓	✓	✓	✓
2 5/16" Bulldog Coupler	✓	✓	✓	✓
3" Lunette Ring	✓	✓	✓	✓
Telematics		✓		

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