


# Airless

Pavement marking machine

## Technical data

| | MAXI 110 A DRUM | MAXI 240A | MAXI 500A |
|---|---|---|---|
| **Truck Chassis** | | | |
| Chassis Model | Isuzu NPRHD | Isuzu FTR | Isuzu FVR |
| US Truck Class | 4 | 6 | 7 |
| Chassis GVWR | 14,500 lbs | 25,900 lbs | 33,000 lbs |
| Chassis Engine | GMPT-V8 (6.6L) | Cummins B6.7 (6.7L) | Cummins B6.7 (6.7L) |
| Chassis Engine Performance | 350 HP (4,500 1/min) | 260 HP (2,400 1/min) | 260 HP (2,400 1/min) |
| Front Axle & Suspension Type | Leaf spring steer axle, 6.6k GAWR | Dana E-1254W steer axle, 12k GAWR | Dana E-1254W steer axle, 12k GAWR |
| Rear Axle & Suspension Type | Leaf spring axle, 11k GAWR Single | Air spring Dana S19-140, 19k GAWR | Air spring Dana S21-140, 21k GAWR |
| Chassis Wheelbase | 11‘ 1“ | 12‘ 8“ | 14‘ 2“ |
| Overall Truck Length (Approx.) | 21‘ | 28‘ | 29‘ |
| Overall Truck Height (Approx.) | 10 1/2‘ | 11‘ | 11‘ |
| Turning Radius (Curb to Curb) | 20‘ | 21.8‘ | 23.7‘ |
| Fuel Type | Gas | Diesel | Diesel |
| Fuel Tank Size | 30 gal | 50 gal | 50 gal |
| **Equipement Platform** | | | |
| Material of Construction | Aluminum | Structural steel | Aluminum |
| Deck Surface | Flat sheet aluminum with abrasive grip tape | Flat sheet steel with abrasive grip tape | Flat sheet aluminum with abrasive grip tape |
| Overall Width | 7‘ 4“ | 8‘ | 8‘ |
| Overall Length | 12‘ 6“ | 16‘ 8“ | 18‘ 6“ |
| Riser Height | 7 1/2“ | 8“ | 8“ |

| | MAXI 110 A DRUM | MAXI 240A | MAXI 500A |
|---|---|---|---|
| **Equipement Utilities** | | | |
| Auxiliary Engine | Honda GX690 23hp Gasoline Engine | 74 hp Tier 4F diesel engine | 74 hp Tier 4F diesel engine |
| Air Compressor Model | Chinook K35 rotary piston compressor, 30 cfm | BOSS 210 utility skid rotary screw compressor | BOSS 210 utility skid rotary screw compressor |
| Air Dryer | Laman 110 dryer | Schmidt coalescing dryer | Schmidt coalescing dryer |
| Hydraulic Pump | Pressure compensated piston pump, belt drive | Load sense piston pump, engine aux drive | Load sense piston pump, engine aux drive |
| Hydraulic System Type | Open center, with return filter & cooler | Open center, with return filter & cooler | Open center, with return filter & cooler |
| Hydraulic Reservoir | 2 gal | 50 gal | 50 gal |
| **Cleaner System** | | | |
| Cleaner Tank Type | – | Stainless steel ASME | Stainless steel ASME |
| Cleaner Tank Capacity | – | 20 gal | 20 gal |
| Gun Flushing | Manual flush through paint draw tube or low pressure ports | Fill/HP Pump flush, Flush-on-the-fly available as option | Fill/HP Pump flush, Flush-on-the-fly available as option |
| **Application Material System** | | | |
| Material Tank Type | Customer supplied drums (stainless steel) | Stainless steel non-pressure round tanks with hydraulic agitator | Stainless steel non-pressure round tanks with hydraulic agitator |
| Material Tank Quantity | 2 | 2 | 2 |
| Material Pumps | Titan 8.3 GPM (high pressure only) | 1-1/2“ MB Diaphragm pumps with PTFE seals and balls (low pressure) / Titan 12.9 GPM (high pressure) | 2“ MB Diaphragm pumps with PTFE seals and balls (low pressure) / Titan 12.9 GPM (high pressure) |
| Material Plumbing | 2“ Stainless steel threaded plumbing (low pressure) / Schedule 80 stainless steel, teflon/nylon braided hoses rated 2,000+ psi (high pressure) | 2“ Stainless steel sanitary process plumbing (low pressure) / Schedule 80 stainless steel, teflon hoses rated 2,000+ psi (high pressure) | 2“ Stainless steel sanitary process plumbing (low pressure) / Schedule 80 stainless steel, teflon hoses rated 2,000+ psi (high pressure) |
| Material Manifold Filter | 2“ Y-strainers (low pressure) / Graco 30 mesh filter, plated steel (high pressure) | Stainless steel with sanitary clamp end and 100 sq in filter (low pressure) / ARO 30 mesh filter, stainless steel (high pressure) | Stainless steel with sanitary clamp end and 100 sq in filter (low pressure) / ARO 30 mesh filter, stainless steel (high pressure) |
| **Glass Bead System** | | | |
| Glass Bead Tank Type | Steel ASME with (3) sight gauges | Steel ASME with (3) sight gauges | Steel ASME with (3) sight gauges |
| Glass Bead Tank Quantity | 1 | 1 | 1 |
| Glass Bead Tank Capacity | 750 lbs | 1,500 lbs | 3,000 lbs |
| Glass Bead Loading | Vacuum fill with jet pump | Vacuum fill with jet pump | Vacuum fill with jet pump |
| Loading Rate | – | 200 lbs/min | 200 lbs/min |
| Glass Bead Plumbing | 1-1/2“ NPT threaded | 2“ Sanitary and/or NPT | 2“ Sanitary and/or NPT |
| Glass Bead Manifold | Steel with sanitary clamp end | Steel with sanitary clamp end | Steel with sanitary clamp end |
| **Glass Bead & Paint Guns, Air Blowers** | | | |
| Paint Guns | Graco 238-377 | Graco 238-377 | Graco 238-377 |
| Paint Gun Quantity | 3 | 4 | 4 |
| Glass Bead Guns | Graco 238-338 | Graco 238-338 | Graco 238-338 |
| Glass Bead Gun Quantity | 3 | 3 | 3 |
| Air Blowers | – | 3 | 3 |
| **Outrigger & Carriage Type** | | | |
| Outrigger Location | Midship | Rear | Rear |
| Carriage Style | Parallel linkage lift with pneumatic cylinder | Linear bearing vertical lift with pneumatic cylinders | Linear bearing vertical lift with pneumatic cylinders |
| Outrigger Travel | 48“ | 48“ | 48“ |
| LH Carriage Wheel Quantity | 1 | 2 | 2 |
| RH Carriage Wheel Quantity | 1 | 1 | 1 |
| **Operator Area** | | | |
| Operator Cover Type | Canopy | Canopy | Canopy |
| Operator Seats | (2) Toolbox mounted vinyl low back seats | (2) Air ride vinyl high back seats | (2) Air ride vinyl high back seats |
| Control Box Mounts | Weatherproof enclosures on RAM ball mounts | Weatherproof enclosures on RAM ball mounts | Weatherproof enclosures on RAM ball mounts |

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|---|---|---|---|
| **Equipment Controls** | | | |
| Outrigger Steering | Tilting & telescoping steering columns | Tilting & telescoping steering columns | Tilting & telescoping steering columns |
| Operator Console | – | Single rear console | Single rear console |
| Skip Timer Control Boxes | (2) Skipline SC-12 | (2) Skipline SC-12 | (2) Skipline SC-12 |
| Digital Speed Meter | In front cab | In front cab | In front cab |
| **Lighting** | | | |
| Cab Lights | – | Amber LED light bar | Amber LED light bar |
| Platform ICC Lights | 3/4“ LED Marker lights | 3/4“ LED Marker lights | 3/4“ LED Marker lights |
| Carriage Lights | Red/white flashers | Red/white flashers | Red/white flashers |
| **Safety** | | | |
| Fire Extinguishers | (1) 5# in cab / (1) 10# on platform | (1) 5# in cab / (1) 10# on platform | (1) 5# in cab / (1) 10# on platform |
| Ladders | (1) Ladders and rear steps | (3) Ladders and rear steps | (3) Ladders and rear steps |
| Platform Railings | 42“ Square tube railing / rounded corners / bolt-on | 42“ Square tube railing / rounded corners / bolt-on | 42“ Square tube railing / rounded corners / bolt-on |

| | MAXI 550A TOTE | MAXI 800A |
|---|---|---|
| **Truck Chassis** | | |
| Chassis Model | Isuzu FVR | Peterbilt 520 |
| US Truck Class | 7 | 8 |
| Chassis GVWR | 33,000 lbs | 60,000 lbs |
| Chassis Engine | Cummins B6.7 (6.7L) | Paccar PX-9 (8.9L) |
| Chassis Engine Performance | 260 HP (2,400 1/min) | 2,000 1/min |
| Front Axle & Suspension Type | Dana E-1254W steer axle, 12k GAWR | Paccar FX-20 steer axle, 20k GAWR |
| Rear Axle & Suspension Type | Air spring Dana S21-140, 21k GAWR | Air spring Dana DSP41, 40k GAWR |
| Chassis Wheelbase | 14‘ 2“ | 14‘ 2“ |
| Overall Truck Length (Approx.) | 29‘ | 33‘ |
| Overall Truck Height (Approx.) | 11‘ | 11 1/2‘ |
| Turning Radius (Curb to Curb) | 23.7‘ | 32‘ |
| Fuel Type | Diesel | Diesel |
| Fuel Tank Size | 50 gal | 80 gal |
| **Equipement Platform** | | |
| Material of Construction | Aluminum | Structural steel |
| Deck Surface | Flat sheet aluminum with abrasive grip tape | Flat sheet steel with abrasive grip tape |
| Overall Width | 8‘ | 8‘ |
| Overall Length | 18‘ 6“ | 22‘ 8“ |
| Riser Height | 8“ | 8“ |
| **Equipement Utilities** | | |
| Auxiliary Engine | 74 hp Tier 4F diesel engine | 74 hp Tier 4F diesel engine |
| Air Compressor Model | BOSS 210 utility skid rotary screw compressor | BOSS 210 utility skid rotary screw compressor |
| Air Dryer | Schmidt coalescing dryer | Schmidt coalescing dryer |
| Hydraulic Pump | Load sense piston pump, engine aux drive | Load sense piston pump, engine aux drive |
| Hydraulic System Type | Open center, with return filter & cooler | Open center, with return filter & cooler |
| Hydraulic Reservoir | 50 gal | 50 gal |
| **Cleaner System** | | |
| Cleaner Tank Type | Stainless steel ASME | Stainless steel ASME |
| Cleaner Tank Capacity | 20 gal | 40 gal |
| Gun Flushing | Fill/HP Pump flush, Flush-on-the-fly available as option | Fill/HP Pump flush, Flush-on-the-fly available as option |

| | MAXI 550A TOTE | MAXI 800A |
|---|---|---|
| **Application Material System** | | |
| Material Tank Type | Customer-supplied tote (poly or stainless steel) | Stainless steel rectangular bulk tank, 2 compartments, hydraulic agitators |
| Material Tank Quantity | 2 | 2 |
| Material Pumps | 2“ MB Diaphragm pumps with PTFE seals and balls (low pressure) / Titan 12.9 GPM (high pressure) | 2“ MB Diaphragm pumps with PTFE seals and balls (low pressure) / Titan 12.9 GPM (high pressure) |
| Material Plumbing | 2“ Stainless steel sanitary process plumbing (low pressure) / Schedule 80 stainless steel, teflon hoses rated 2,000+ psi (high pressure) | 2“ Stainless steel sanitary process plumbing (low pressure) / Schedule 80 stainless steel, teflon hoses rated 2,000+ psi (high pressure) |
| Material Manifold Filter | Stainless steel with sanitary clamp end and 100 sq in filter (low pressure) / ARO 30 mesh filter, stainless steel (high pressure) | Stainless steel with sanitary clamp end and 100 sq in filter (low pressure) / ARO 30 mesh filter, stainless steel (high pressure) |
| **Glass Bead System** | | |
| Glass Bead Tank Type | Steel ASME with (3) sight gauges | Steel ASME with (3) sight gauges |
| Glass Bead Tank Quantity | 1 | 1 |
| Glass Bead Tank Capacity | 3,000 lbs | 5,000 lbs |
| Glass Bead Loading | Vacuum fill with jet pump | Vacuum fill with jet pump |
| Loading Rate | 200 lbs/min | 200 lbs/min |
| Glass Bead Plumbing | 2“ Sanitary and/or NPT | 2“ Sanitary and/or NPT |
| Glass Bead Manifold | Steel with sanitary clamp end | Steel with sanitary clamp end |
| **Glass Bead & Paint Guns, Air Blowers** | | |
| Paint Guns | Graco 238-377 | Graco 238-377 |
| Paint Gun Quantity | 4 | 4 |
| Glass Bead Guns | Graco 238-338 | Graco 238-338 |
| Glass Bead Gun Quantity | 3 | 3 |
| Air Blowers | 3 | 3 |
| **Outrigger & Carriage Type** | | |
| Outrigger Location | Rear | Rear |
| Carriage Style | Linear bearing vertical lift with pneumatic cylinders | Linear bearing vertical lift with pneumatic cylinders |
| Outrigger Travel | 48“ | 48“ |
| LH Carriage Wheel Quantity | 2 | 2 |
| RH Carriage Wheel Quantity | 1 | 1 |
| **Operator Area** | | |
| Operator Cover Type | Canopy | Canopy |
| Operator Seats | (2) Air ride vinyl high back seats | (2) Air ride vinyl high back seats |
| Control Box Mounts | Weatherproof enclosures on RAM ball mounts | Weatherproof enclosures on RAM ball mounts |
| **Equipment Controls** | | |
| Outrigger Steering | Tilting & telescoping steering columns | Tilting & telescoping steering columns |
| Operator Console | Single rear console | Single rear console |
| Skip Timer Control Boxes | (2) Skipline SC-12 | (2) Skipline SC-12 |
| Digital Speed Meter | In front cab | In front cab |
| **Lighting** | | |
| Cab Lights | Amber LED light bar | Amber LED light bar |
| Platform ICC Lights | 3/4“ LED Marker lights | 3/4“ LED Marker lights |
| Carriage Lights | Red/white flashers | Red/white flashers |
| **Safety** | | |
| Fire Extinguishers | (1) 5# in cab / (1) 10# on platform | (1) 5# in cab / (1) 10# on platform |
| Ladders | (2) Ladders and rear steps | (3) Ladders and rear steps |
| Platform Railings | 42“ Square tube railing / rounded corners / bolt-on | 42“ Square tube railing / rounded corners / bolt-on |



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