

Product Specifications For 424



Engine

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| Power - Net | 52 kW |
| Engine Model | Cat C3.6* 55 kW Electronic Turbo Intercooled |
| Displacement | 3.6 l |
| Torque Rise - 1,200 rpm - Net | 86% |
| Bore | 98 mm |
| Stroke | 120 mm |
| Note | *Meets India Bharat Stage V emission standards. |
| Ratings @ 2,200 rpm - Gross Power ISO 14396 | 55 kW/74 hp/75 mhp |
| Ratings @ 2,200 rpm - Gross Power SAE J1995 | 56 kW/75 hp/76 mhp |
| Net Power Rating @ 2,200 rpm - ISO 9249 | 51 kW/69 hp/70 mhp |
| Net Power Rating @ 2,200 rpm - SAE J1349 | 52 kW/70 hp/71 mhp |

Weights

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| Operating Weight - Nominal | 7980 kg |
| Operating Weight - Maximum | 8760 kg |
| Air Conditioning | 45 kg |
| Total Gross Weight Not to Exceed | 8760 kg |
| Counterweights - Base | 115 kg |

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| Cab - ROPS/FOPS | 118 kg |
| Counterweights - Maximum | 300 kg |
| Note | Machine configuration: standard engine, standard stick hoe, standard cab with air conditioning, 2WD, 1.05 m³ GP loader bucket, 0.27 m³ standard duty hoe bucket, industrial tire, 115 kg counterweight, 80 kg operator, full fuel tank. |
| Operating Weight - Maximum - ROPS Capacity | 19312 lb |

Hydraulic System

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| System Pressure - Loader | 245 bar |
| System Pressure - Backhoe | 245 bar |
| Type | Closed Center |
| Pump Type | Variable-Flow, Axial Piston |
| Pump Capacity @ 2,200 rpm | 132 l/min |

Steering

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| Turning Circle (inner wheel not braked) - Outside Widest Loader Bucket | 12.2 m |
| Type | Front Wheel |
| Power Steering | Hydrostatic |
| Turning Circle - (inner wheel not braked) - Outside Front Wheels | 9.3 m |
| 2WD Cylinder, One (1) Double Acting - Bore | 75 mm |
| 2WD Cylinder, One (1) Double Acting - Axle Oscillation | 9 ° |

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| 2WD Cylinder, One (1) Double Acting - Stroke | 118 mm |
| Turning Circle | 2WD |
| 2WD Cylinder, One (1) Double Acting - Rod Diameter | 45 mm |

Transmission

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| Power Shuttle Transmission - Reverse 4th | 37.5 km/h |
| Power Shuttle Transmission - Forward 3rd | 23 km/h |
| Power Shuttle Transmission - Reverse 2nd | 9.6 km/h |
| Power Shuttle Transmission - Forward 2nd | 9.6 km/h |
| Note | Travel speeds of backhoe loader at full throttle, when equipped with Industrial tires (16.9-28 Rear Tires). |
| Power Shuttle Transmission - Reverse 3rd | 23 km/h |
| Power Shuttle Transmission - Forward 4th | 37.5 km/h |
| Power Shuttle Transmission - Forward 1st | 5.7 km/h |
| Power Shuttle Transmission - Reverse 1st | 5.7 km/h |

Service Refill Capacities

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| Hydraulic Tank | 42 l |
| Transmission - Power Shuttle - 2WD | 14 l |

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| Cooling System - A/C | 20 l |
| Hydraulic System | 106 l |
| Engine Oil - With Filter | 9 l |
| Fuel Tank | 160 l |

Axle Ratings

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| Rear Axle - Dynamic | 7648 kg |
| Rear Axle - Static | 42152 lb |

Machine Dimensions - Parallel Lift Loader - GP - 1.05 M3

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| Overall Width (excluding loader bucket) | 2346 mm |
| Ground Clearance (minimum) (300 kg counterweight) | 386 mm |
| Wheelbase 2WD/AWD | 2200 mm |
| Rear Axle Centerline to Front Grill | 2705 mm |
| Height to Loader Hinge Pin (transport) | 350 mm |
| Height to Top of Exhaust Stack | 2715 mm |
| Ground Clearance (minimum) (stabilizer feet) | 350 mm |
| Rear Wheel Tread Gauge | 1688 mm |
| Ground Clearance (minimum) (LH step) | 454 mm |

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| Front Wheel Tread Gauge | 6.3 ft |
| Note | Dimensions and performance specifications shown are for machines equipped with industrial tires, standard cab, standard stick, 0.27 m3 heavy duty bucket, and 1.05 m3 GP loader bucket and standard equipment unless otherwise specified. |
| Overall Length in Rading Position (15 degree approach angle and hoe stowed to side) | 5686 mm |
| Overall Transportation Length (loader on ground and hoe stowed to side) | 5708 mm |
| Height to Top of Cab | 2928 mm |
| Overall Transportation Height | 3732 mm |
| Overall Length (loader on ground hoe stowed to machine centerline) | 7359 mm |
| Loader Bucket Dimensions And Performance - Parallel Lift Loader - GP - 1.05 M3 | |
| Width | 7.4 ft ³ |
| Grill to Bucket Cutting Edge, Carry Position | 1477 mm |
| Dump Height at Maximum Angle | 2794 mm |
| Lift Capacity at Maximum Height | 3586 kg |
| Tilt Breakout Force | 52762 N |
| Lift Breakout Force | 52967 N |
| Maximum Bucket Rollback at Ground Level | 38 |

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| Maximum Grading Angle | 114 |
| Capacity (SAE rated) | 1.05 m ³ |
| Dump Reach at Maximum Angle | 808 mm |
| Maximum Operating Height | 4394 mm |
| Maximum Hinge Pin Height | 3473 mm |
| Digging Depth | 87 mm |
| Tipping Load at Breakout Point | 6869 kg |
| Weight (does not include teeth or forks) | 530 kg |
| Width of Dozer Cutting Edge | NA |
| Jaw Opening Maximum | NA |
| Dump Angle at Full Height | 45 |
| Bucket Jaw Clamping Force | NA |

Loader Bucket Dimensions And Performance - Parallel Lift Loader - MP - 1.0 M3

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| Width of Dozer Cutting Edge | 2262 mm |
| Maximum Operating Height | 4372 mm |
| Jaw Opening Maximum | 2.6 ft |
| Maximum Hinge Pin Height | 3473 mm |
| Weight (does not include teeth or forks) | 681 kg |
| Maximum Bucket Rollback at Ground Level | 39 |

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| Grill to Bucket Cutting Edge, Carry Position | 1447 mm |
| Dump Height at Maximum Angle | 2794 mm |
| Tipping Load at Breakout Point | 6965 kg |
| Capacity (SAE rated) | 1 m ³ |
| Tilt Breakout Force | 59180 N |
| Dump Angle at Full Height | 45 |
| Width | 2262 mm |
| Bucket Jaw Clamping Force | 59268 N |
| Dump Reach at Maximum Angle | 731 mm |
| Lift Breakout Force | 52458 N·m |
| Digging Depth | 119 mm |
| Maximum Grading Angle | 116 |
| Lift Capacity at Maximum Height | 3451 kg |

Backhoe Dimensions And Performance - Standard Stick

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| Loading Reach | 1521 mm |
| Swing Arc | 180 |
| Loading Height | 4015 mm |
| Bucket Dig Force | 56282 N |
| Reach from Rear Axle Centerline at Ground Line | 6978 mm |

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| Stick Dig Force | 34933 N |
| Digging Depth, 600 mm (2 ft) Flat Bottom | 4114 mm |
| Reach from Swing Pivot at Ground Line | 5612 mm |
| Digging Depth, 2440 mm (8 ft) Flat Bottom | 3762 mm |
| Stabilizer Overall Width | 2242 mm |
| Digging Depth, SAE Maximum | 4138 mm |
| Maximum Operating Height | 5701 mm |
| Bucket Rotation | 205 |
| Digging Depth, Manufacturer's Maximum | 4729 mm |
| Stabilizer Spread | NA |
| Digging Depth, 610 mm (2 ft) Flat Bottom, Manufacturer's Maximum | 4690 mm |

Machine Dimensions - Parallel Lift Loader - MP - 1.0 M3

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|---|---------|
| Ground Clearance (minimum) (LH step) | 454 mm |
| Rear Wheel Tread Gauge | 1688 mm |
| Rear Axle Centerline to Front Grill | 2705 mm |
| Height to Top of Exhaust Stack | 2715 mm |
| Ground Clearance (minimum) (stabilizer feet) | 350 mm |
| Wheelbase 2WD/4WD | 2200 mm |

| | |
|--|---|
| Height to Loader Hinge Pin (transport) | 352 mm |
| Overall Width (excluding loader bucket) | 2346 mm |
| Note | Dimensions and performance specifications shown are for machines equipped with industrial tires, standard cab, standard stick, 0.27 m ³ heavy duty bucket, and 1.05 m ³ GP loader bucket and standard equipment unless otherwise specified. |
| Front Wheel Tread Gauge | 1910 mm |
| Ground Clearance (minimum) (300 kg counterweight) | 386 mm |
| Overall Transportation Length (loader on ground and hoe stowed to side) | 5653 mm |
| Overall Length (loader on ground hoe stowed to machine centerline) | 7329 mm |
| Overall Length in Rading Position (15 degree approach angle and hoe stowed to side) | 5657 mm |
| Overall Transportation Height | 3732 mm |
| Height to Top of Cab | 2928 mm |

424 Standard Equipment

Cab ROPS And FOPS

Cab, Standard

Tires/Steering/Brakes

Two Wheel Drive

Engine

Engine, Cat® C3.6 55 kW

Product Link™

PL 243

424 Optional Equipment

Hydraulics (Choose One)

Hoe, 6 Bank Valve

Hoe, 7 Bank Valve (Hammer/Work Tools)

Loader Bucket (Choose One)

GP, 1.05 m³ Bucket

MP, 1.0 m³ Bucket

Hoe Bucket (Choose One)

0.27 m³ Bucket

0.24 m³ Bucket

0.12 m³ Bucket

0.30 m³ Bucket

Other Options

Air Conditioning

Hydraulic Lines, One Way

Hoe Coupler

Additional Work Lamps

Sun Visor

Other Attachments

B8S Hammer

Counterweight (Choose One)*

Counterweight, None

Counterweight, 115 kg

Counterweight, 240 kg

Counterweight, 300 kg

*For correct counterweight selection, please contact your local Cat dealer.