HD HYUNDAI CONSTRUCTION EQUIPMENT

# HL955A SPECIFICATIONS

| Net Power | Operating Weight | Bucket Breakout Force |
|---|---|---|
| 197 hp (147 kW) at 2,200 rpm | 35,490 lb (16,098 kg) - 36,355 lb (16,490 kg) | 2.62 yd³ (2.0 m³) - 3.0 yd³ (2.3 m³) |




*Photo may include optional equipment.

# SPECIFICATIONS | HL955A

## ENGINE

| | |
|---|---|
| Make / Model | CUMMINS / B6.7 |
| Type | Tier 4F/ Stage V Emission Certified, 6 cylinder diesel engine with no manual regeneration. |
| Gross Power (SAE J1995) | 200 hp (149 kW) at 2.200 rpm |
| Net Power (SAE J1349) | 197 hp (147 kW) at 2.200 rpm |
| Max. Power | 210 hp (157 kW) at 1,900 rpm |
| Peak Gross Torque (SAE J1995) | 730 lb·ft (990 N·m) at 1,300 rpm |
| Displacement | 6.7 ℓ (408 $in^3$) |

## TRANSMISSION

| | |
|---|---|
| Torque Converter Type | 3-elements, single-stage, single phase |
| Tire | 20.5 R25, ★★, L3 |

| Travel Speed, km/h (mph) | | 4-Speed Transmission | 5-Speed Transmission with lockup clutch |
|---|---|---|---|
| Forward | 1st | 7.1 (4.4) | 6.4 (4.0) |
| | 2nd | 11.7 (7.3) | 11.1 (6.9) |
| | 3rd | 23.6 (14.7) | 17.1 (10.6) |
| | 4th | 39.2 (24.4) | 26.6 (16.5) |
| | 5th | - | 40.0 (24.9) |
| Reverse | 1st | 7.4 (4.6) | 6.7 (4.2) |
| | 2nd | 12.3 (7.6) | 11.7 (7.3) |
| | 3rd | 24.9 (15.5) | 28.0 (17.4) |

## AXLES

| | |
|---|---|
| Drive System | Four-wheel drive |
| Front | Fixed |
| Rear Axle Oscillation | 11° |
| Hub Reduction | Planetary reduction at wheel end |
| Differential | Conventional |
| Reduction Ratio | 23.333 : 1 |

## HYDRAULIC SYSTEM

| | |
|---|---|
| Type | Load-sensing hydraulic system |
| Pump | Variable-displacement piston pump, |
| Control Valve | 2-spool (bucket, boom)<br>3-spool (bucket, boom, aux) |
| System Pressure | 280 bar (3,980 psi) |
| Lift Circuit | The valve has four functions:<br>raise, hold, lower and float.<br>Can adjust automatic kickout from horizontal to full lift. |
| Tilt Circuit | The valve has three functions :<br>tilt back, hold and dump.<br>Can adjust automatic bucket positioner to desired load angle. |
| Cylinder | Type : double acting<br>No. of cylinders-bore x stroke<br>Lift 2 - 4.9" x 29.3" (125 x 745 mm)<br>HL955A Tilt 1 - 5.5" x 1' 10" (140 x 560 mm)<br>HL955A XT Tilt** 1 - 5.5" x 1' 11" (140 x 585 mm) |
| Hydraulic Cycle Time with Rated Payload | Raise from carry position: 5.5 Sec.<br>Dump, at maximum raise: 1.8 Sec.<br>Lower, empty, float down: 3.9 Sec.<br>Total: 11.2 Sec. |

## OVERVIEW

| Description | | HL955A | HL955A XT |
|---|---|---|---|
| Operating Weight | | 16,098 kg (35,490 lb) | 16,490 kg (36,355 lb) |
| Bucket Capacity | Heaped | 2.8 $m^3$ (3.7 $yd^3$) | 2.8 $m^3$ (3.7 $yd^3$) |
| | Struck | 2.4 $m^3$ (3.1 $yd^3$) | 2.4 $m^3$ (3.1 $yd^3$) |
| Breakout Force-Bucket | | 14,370 kg (31,685 lb) | 14,540 kg (32,060 lb) |
| Tipping Load | Straight | 11,988 kg (26,430 lb) | 9,400 kg (20,725 lb) |
| | Full Turn | 10,408 kg (22,945 lb) | 8,150 kg (17,970 lb) |

## TIRES

| | |
|---|---|
| Type | Tubeless, loader design tires |
| Standard | 20.5 R25, ★★, L3 |
| Options Include | 20.5 R25, XHA |
| | 20.5-25, 16PR, L3 |
| | 20.5-25, 16PR, L5 |

## BRAKES

| | |
|---|---|
| Service Brakes | Hydraulically actuated, wet disc brakes actuate all 4 wheels independent axle-by-axle system. Self adjusting & wheel speed brake. |
| Parking Brake | Spring-applied, hydraulically released brake |
| Emergency Brake | When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies. |

## STEERING SYSTEM

| | |
|---|---|
| Type | Load-sensing hydrostatic articulated steering |
| Pump | Variable-displacement piston pump |
| System Pressure | 210 bar (3,046 psi) |
| Cylinder | Double acting 2 - 2.8" x 16.5" (70 x 418 mm) |
| Steering Angle | 40° to both right and left |
| Features | Center-point frame articulation.<br>Tilt and telescopic steering column. |

## SERVICE REFILL CAPACITIES

| | |
|---|---|
| Fuel Tank | 60.8 US gal (230 ℓ) |
| DEF Tank | 8.0 US gal (30.1 ℓ) |
| Cooling System | 11.1 US gal (42 ℓ) |
| Crankcase | 4.8 US gal (18.0 ℓ) |
| Transmission | 11.5 US gal (43.5 ℓ) |
| Front Axle | 9.2 US gal (35 ℓ) |
| Rear Axle | 9.2 US gal (35 ℓ) |
| Hydraulic Tank | 29.1 US gal (110 ℓ) |
| Hydraulic System (Including Tank) | 41.8 US gal (190 ℓ) |

## CAB NOISE LEVEL

Guaranteed noise level presented below can vary depending on a range of factors such as operating conditions, speed of cooling fan, types of engine and so forth. Hearing protection shall be necessary if an operator is working in an improperly maintained cabin or exposed to noisy environment by leaving doors and/or windows open.

With cooling fan speed at maximum value:

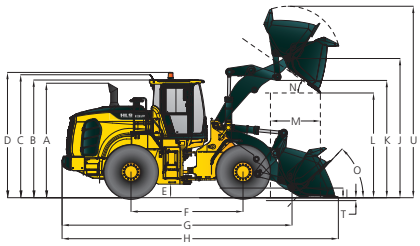
| | |
|---|---|
| Operator sound pressure level (ISO 6396:2008) | 67 dB(A) |
| Exterior sound power level (ISO 6395:2008) | 103 dB(A) |

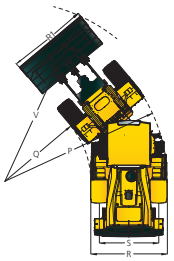
* Distance of 15 m (49.2 ft), moving forward in second gear ratio.

## CABIN

ROPS / FOPS cabin meets ISO 3471 and ISO 3449

# DIMENSIONS | HL955A




| | Description | HL955A | HL955AXT |
|---|---|---|---|
| A | Height to Top of Exhaust Pipe | 3,320 (10' 11") | 3,320 (10' 11") |
| B | Height to Top of Cabin | 3,390 (11' 1") | 3,390 (11' 1") |
| C | Height to Top of Product Link Antenna | 3,440 (11' 3") | 3,440 (11' 3") |
| D | Height to Top of Warning Beacon | 3,520 (11' 7") | 3,520 (11' 7") |
| E | Ground Clearance | 410 (1' 4") | 410 (1' 4") |
| F | Wheelbase | 3,050 (10') | 3,050 (10') |
| G | Overall Length (without Bucket) | 6,430 (21' 1") | 7,025 (23' 1") |
| H | Shipping Length (with Bucket Level on Ground) | 7,715 (25' 4") | 8,310 (27' 3") |
| I | Hinge Pin Height at Carry Position | 440 (1' 5") | 610 (2') |
| J | Hinge Pin Height at Maximum Lift | 3,940 (12' 11") | 4,515 (14' 10") |

Unit : mm (ftin)

| | Description | | HL955A | HL955AXT |
|---|---|---|---|---|
| K | Lift Arm Clearance at Maximum Lift | | 3,340 (10' 11") | 3,905 (12' 10") |
| L | Dump Clearance at Maximum Lift and 45° Discharge | | 2,785 (9' 2") | 3,360 (11') |
| M | Reach at Maximum Lift and 45° Discharge | | 1,180 (3' 10") | 1,220 (4') |
| N | Dump Angle at Maximum Lift and Dump (on Stops) | | 48 | 48 |
| O | Roll Back Angle | Ground | 41 | 41 |
| | | Carry | 46 | 47 |
| P | Clearance Circle (Diameter) to Outside of Tires | | 11,140 (36' 7") | 11,140 (36' 7") |
| Q | Clearance Circle (Diameter) to Inside of Tires | | 5,980 (19' 4") | 5,980 (19' 4") |
| R | Width Over Tires (Unloaded) | | 2,530 (8' 4") | 2,530 (8' 4") |
| R1 | Overall Width (with Bucket) | | 2,740 (9') | 2,740 (9') |
| S | Tread Width | | 2,010 (6' 7") | 2,010 (6' 7") |

## HL955A OPERATING SPECIFICATIONS WITH BUCKETS

| Linkage | | General Purpose Pin On | | General Purpose Hook-On | High Lift Linkage Change |
|---|---|---|---|---|---|
| Bucket Type | | | | | |
| Edge Type | | Bolt-On Cutting Edges | 2-Piece Tooth & Segment | Bolt-On Cutting Edges | |
| Capacity - Rated | $m^3$ | 2.8 | 2.8 | 2.8 | - |
| | $yd^3$ | 3.7 | 3.7 | 3.7 | |
| Capacity - Rated at 110% Fill Factor | $m^3$ | 3.1 | 3.1 | 3.1 | - |
| | $yd^3$ | 4.0 | 4.0 | 4.0 | |
| Width | mm | 2,740 | 2,810 | 2,740 | - |
| | ft/in | 9' | 9' 3" | 9' | |
| Dump Clearance at Maximum Lift and 45° Discharge | mm | 2,785 | 2,660 | 2,600 | +575 |
| | ft/in | 9' 2" | 8' 9" | 8' 6" | 1' 11" |
| Reach at Maximum Lift and 45° Discharge | mm | 1,180 | 1,275 | 1,355 | +40 |
| | ft/in | 3' 10" | 4' 2" | 4' 5" | +1.6" |
| Digging Depth | mm | 85 | 85 | 85 | +35 |
| | ft/in | 3" | 3" | 3" | +1.4" |
| Shipping Length (with Bucket) | mm | 7,715 | 7,870 | 7,970 | +595 |
| | ft/in | 25' 4" | 25' 10" | 26' 2" | +1' 11" |
| Overall Height with Bucket at Maximum Lift | mm | 5,330 | 5,330 | 5,515 | +575 |
| | ft/in | 17' 6" | 17' 6" | 18' 1" | +1' 11" |
| Loader Clearance Circle with Bucket at Carry Position | mm | 12,550 | 12,720 | 12,700 | +600 |
| | ft/in | 41' 2" | 41' 9" | 41' 8" | +1' 12" |
| Static Tipping Load, Straight (No Tire Deflection)" | kg | 11,350 | 11,300 | 10,200 | -1150 |
| | lb | 25,025 | 24,915 | 22,490 | -2,535 |
| Static Tipping Load, Articulated (No Tire Deflection) | kg | 9,850 | 9,800 | 8,850 | -1000 |
| | lb | 21,720 | 21,610 | 19,515 | -2,200 |
| Breakout Force | kg | 14,370 | 14,370 | 11,980 | +170 |
| | lb | 31,685 | 31,685 | 26,415 | +375 |
| Operating Weight* | kg | 15,800 | 15,855 | 16,175 | +690 |
| | lb | 34,835 | 34,955 | 35,660 | +1,525 |

* All height and tire related dimensions are with standard 20.5 R25, L3 tires.

## HL955A/ HL955AXT BUCKET SELECTION CHART

**Standard Lift Arm - General Purpose Bucket**

| Type | $m^3$ ($yd^3$) | Material Density [$t/m^3$] | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.8 (1349) | 0.9 (1517) | 1.0 (1686) | 1.1 (1854) | 1.2 (2023) | 1.3 (2191) | 1.4 (2360) | 1.5 (2528) | 1.6 (2697) | 1.7 (2865) | 1.8 (3034) | 1.9 (3203) | 2.0 (3371) | 2.1 (3540) | 2.2 (3708) | 2.3 (3877) | 2.4 (4045) |
| Bolt-On Cutting Edge | 2.8 (3.7) | 3.2 $m^3$ (4.2 $yd^3$) | | | | | | | | | | | 2.7 $m^3$ (3.5 $yd^3$) | | | | | |
| Bolt On Teeth | 2.8 (3.7) | 3.2 $m^3$ (4.2 $yd^3$) | | | | | | | | | | | 2.7 $m^3$ (3.5 $yd^3$) | | | | | |
| Cutting Edge (ISO Quick Coupler) | 2.8 (3.7) | 3.2 $m^3$ (4.2 $yd^3$) | | | | | | | | | | 2.7 $m^3$ (3.5 $yd^3$) | | | | | | |
| **High Lift Arm (XT) - General Purpose Bucket** | | | | | | | | | | | | | | | | | | |
| Bolt-On Cutting Edge | 2.8 (3.7) | 3.2 $m^3$ (4.2 $yd^3$) | | | | | | | | 2.7 $m^3$ (3.5 $yd^3$) | | | | | | | | |
| Bolt On Teeth | 2.8 (3.7) | 3.2 $m^3$ (4.2 $yd^3$) | | | | | | | | 2.7 $m^3$ (3.5 $yd^3$) | | | | | | | | |
| Cutting Edge (ISO Quick Coupler) | 2.8 (3.7) | 3.2 $m^3$ (4.2 $yd^3$) | | | | | | | 2.7 $m^3$ (3.5 $yd^3$) | | | | | | | | | |

115% 100% 95%

| ENGINE | STD | OPT |
|---|---|---|
| ENGINE, CUMMINS, B6.7 | | |
| 3-stage air precleaner | • | |
| Alternator, 95A | • | |
| Fuel warmer | • | |
| Engine oil-level dipstick gauge | • | |
| Fuel / water separator | • | |
| VGT (Variable Geometry Turbo) | • | |
| CLEAN EMISSION MODULE | | |
| DOC, DPF and SCR | • | |
| Active emission regeneration (no manual regeneration required) | | |
| Stage V Certified Emmissions | • | |
| EGR free | • | |
| Automatic regeneration | • | |
| COOLING SYSTEM | | |
| Antifreeze | • | |
| Auto reversing fan (adjustable time/ Interval frequencies) w/ manual override | • | |
| Coolant-level sight gauge | • | |
| Fan guard | • | |
| Wide-fin radiator | • | |

| POWER TRAIN | STD | OPT |
|---|---|---|
| TRANSMISSION | | |
| Transmission F4/R3, computer controlled, electronic soft shift, auto-shift and kickdown features included | • | |
| Transmission oil sight level | • | |
| Wide-fin transmission oil cooler | • | |
| AXLE | | |
| Conventional (rear) | • | |
| Hydraulic lock differential (front) | • | |
| Limited slip differential (front / rear) | | • |
| BRAKE | | |
| Parking brake | • | |
| Service brake (enclosed wet-disc) | • | |
| TIRES | | |
| 20.5 R25, ★★, L3 | • | |
| 20.5 R25, XHA | | • |
| 20.5-25, 16PR, L3 | | • |
| 20.5-25, 16PR, L5 | | • |

| HYDRAULIC SYSTEM | STD | OPT |
|---|---|---|
| Diagnostic pressure taps | • | |
| Hyundai Bio Hydraulic Oil (VG46) | | • |
| Hydraulic oil level sight gauge | • | |
| Hydraulic oil VG32 | | • |
| Hydraulic oil VG46 | • | |
| Wide-fin hydraulic oil cooler | • | |
| HYDRAULIC CONTROL | | |
| Fingertip | | • |
| Joystick | | • |
| ELECTRO-HYDRAULIC CONTROL | | |
| Boom kickout, automatic | • | |
| Bucket positioner, automatic | • | |
| Extra piping for auxiliary function | | • |
| Fingertip | • | |
| Joystick | • | |
| Quick coupler piping | • | |
| Ride control system | • | |

| CAB & INTERIOR | STD | OPT |
|---|---|---|
| ALARMS, AUDIBLE AND VISUAL | | |
| Air filter clogging | • | |
| Battery voltage | • | |
| Brake oil pressure | • | |
| DEF low level | • | |
| Engine coolant level | • | |
| Engine coolant temperature | • | |
| Engine oil pressure | • | |
| Fuel level | • | |
| Hydraulic oil temperature | • | |
| Parking brake | • | |
| Service brake oil pressure | • | |
| Seat belt ON/OFF | • | |
| Transmission error | • | |
| Transmission oil temperature | • | |

| CAB & INTERIOR | STD | OPT |
|---|---|---|
| GAUGES | | |
| Diesel Exhaust Fluid (DEF) level | • | |
| Engine coolant temperature | • | |
| Fuel level | • | |
| Horn, electric | • | |
| Speedometer | • | |
| Transmission oil temperature | • | |
| INDICATOR LIGHTS | | |
| Clutch cutoff | • | |
| Differential lock | • | |
| Engine auto stop | • | |
| FNR | • | |
| High beam | • | |
| Parking brake | • | |
| Pilot cutoff | • | |
| Ride control | • | |
| Seat belt ON/OFF | • | |
| Turning light | • | |
| LCD DISPLAY | | |
| Clock and fault code | • | |
| DEF level | • | |
| DEF low level | • | |
| Engine rpm | • | |
| Horn, electric | • | |
| Job time and distance | • | |
| Operating hour counter | • | |
| Transmission gear range | • | |
| BATTERIES | | |
| 850 CCA, 12V, 2PCS | • | |
| LIGHTING SYSTEM | | |
| Brake lights (counterweight) | • | |
| LED dome light | • | |
| 2 headlights on front tower | • | |
| 2 headlights (LED) on front tower | | • |
| 2 stop and tail lights | • | |
| 4 turn signals | • | |
| 2 working lights on front roof | | • |
| 4 working lights on front roof<br>2 working lights on rear roof | | • |
| 4 working lights (LED) on front roof<br>2 working lights (LED) on rear roof | | • |
| 2 working lights on grill | • | |
| 2 working lights (LED) on grill | • | |
| SWITCHES | | |
| Battery master switch | • | |
| Differential Lock | • | |
| Emergency steering | | • |
| FNR shifter | • | |
| Hazard | • | |
| Parking | • | |
| Pilot cutoff | • | |
| SYSTEM MEMORY SETTINGS | | |
| Autolube, integrated in secondary display | | • |
| Auto position | • | |
| Beacon light | | • |
| Fine modulation | • | |
| Main light | • | |
| Mirror heat | • | |
| Quick coupler | • | |
| Rear wiper | • | |
| Ride control | • | |
| Work light | • | |
| Work load | • | |
| IGNITION | | |
| Key | • | |
| Push start button | | • |
| CAB (SOUND SUPPRESSED) | | |
| 24V to 12V DC converter (20A) | • | |
| Coat hook | • | |
| Magazine pocket | • | |
| One door cab | • | |
| Radio / USB player | • | |
| Rearview mirrors (1 inside) | • | |
| Rearview mirrors (2 outside, heated) | • | |

| CAB & INTERIOR | STD | OPT |
|---|---|---|
| CAB(SOUND SUPPRESSED) | | |
| Roller type sunshade (front window) | • | |
| ROPS / FOPS cab | • | |
| Rubber floor mat | • | |
| Steering column, tilt and telescopic | • | |
| Steering wheel with knob | • | |
| Tinted safety glass | • | |
| Wrist rest | • | |
| DOOR | | |
| Door and cab locks, one key | • | |
| Doors, service access (locking) | • | |
| Doors, service access (remote control) | | • |
| AUTOMATIC CLIMATE CONTROL | | |
| Air conditioner and heater | • | |
| Defroster | • | |
| Intermittent wiper and washer, front and rear | • | |
| SEAT | | |
| 3" retractable seat belt and adjustable air suspension (heated) | • | |
| PERSONAL STORAGE SPACE | | |
| Console box | • | |
| Holder, can and cup | • | |
| PEDALS | | |
| Accel pedal without ECO switch | • | |
| Dual-brake pedal | | • |
| One acceletator pedal | • | |
| One brake pedal | • | |

| SAFETY | STD | OPT |
|---|---|---|
| Alarm, backup | • | |
| Boom safety lock | | • |
| Emergency steering | | • |
| Emergency stop | • | |
| Fire extinguisher | | • |
| OBJECT DETECTION | | |
| AAVM - All Around View Monitoring | | • |
| IMOD (Intelligent Moving Object Detection) | | • |
| RADAR + Secondary Mornitor | | • |

| OTHERS | STD | OPT |
|---|---|---|
| 2nd Monitor | | • |
| 3-spool MCV | • | |
| 5-speed T/M with lockup clutch | | • |
| Air compressor | | • |
| Auto engine shut down | • | |
| Auto grease system | | • |
| Articulation locking bar | • | |
| Heavy counterweight | • | |
| ISO quick coupler | • | |
| LED beacon lamp | | • |
| License plate & 10W LED lamp | | • |
| Lift and tie-down hooks | • | |
| Loader linkage, sealed | • | |
| Sun shade on rear window of cabin | | • |
| Vandalism protection caplocks | • | |
| Wheel chocks | | • |
| SAFETY | | |
| Handrails | • | |
| Ladders | • | |
| Platforms | • | |
| Steps | • | |
| TELEMATICS | | |
| ECD (Engine Connected Diagnostics) | • | |
| Hi MATE - Mobile | • | |
| Hi MATE - Satellite | | • |
| GUARDS | | |
| Belly-pan guard | | • |
| Crankcase | • | |
| Fenders (front) | • | |
| Fenders (rear) | | • |
| Transmission | • | |

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
* The photos may include attachments and optional equipment that are not available in your area.
* Materials and specifications are subject to change without advance notice.
* All imperial measurements rounded off to the nearest pound or inch.

HD HYUNDAI CONSTRUCTION EQUIPMENT
6100 Atlantic Blvd., Norcross, GA 30071
TEL (678) 823-7777 FAX (678) 823-7778
na.HD-HyundaiCE.com

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