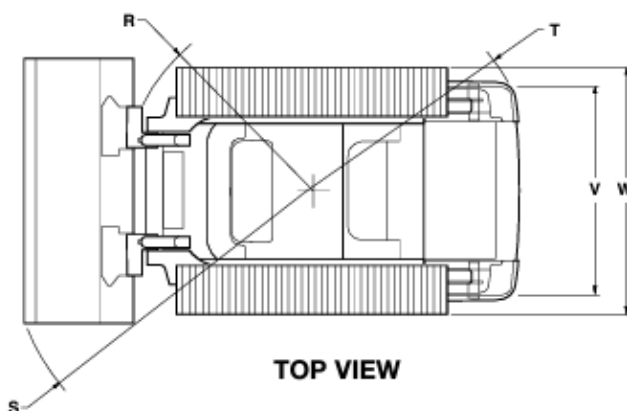


L320



DIMENSIONS

Overall operating height

| | | | |
|---|---------------------------------------|---------|--------------|
| A | with foundry/excavating bucket short | in (mm) | 151.4 (3845) |
| A | with low profile/standard bucket | in (mm) | 155.6 (3952) |
| A | with low profile extended/long bucket | in (mm) | 160.6 (4080) |

Height to

| | | | |
|---|--------------------------------------|---------|--------------|
| B | Bucket hinge pin | in (mm) | 121 (3073) |
| C | Top of ROPS | in (mm) | 78.7 (1998) |
| D | Bottom of level bucket, fully raised | in (mm) | 114.3 (2902) |

Overall Length

| | | | |
|---|--|---------|--------------|
| E | without attachment with coupler | in (mm) | 105.7 (2697) |
| F | with foundry excavation bucket on ground | in (mm) | 131.4 (3338) |
| F | with low profile bucket | in (mm) | 135.4 (3440) |
| F | with low profile extended bucket | in (mm) | 140.5 (3569) |

Dump

| | | | |
|---|--|---------|-------------|
| G | Dump angle | degrees | 52 |
| H | Dump height | | |
| | with foundry/excavating bucket short in (mm) | in (mm) | 94.7 (2405) |
| | with low profile/standard bucket | in (mm) | 91.7 (2330) |
| J | Dump reach (max height) | in (mm) | 29.8 (758) |

| Maximum attachment rollback | | |
|-----------------------------|--|---|
| K | Bucket on ground | degrees 34 |
| L | Bucket at full height | degrees 88 |
| Track and clearance | | |
| M | Wheelbase | in (mm) 44.4 (1128) |
| P | Ground clearance (bottom of belly pan) | in (mm) 8 (203) |
| Q | Angle of departure | in (mm) 25 |
| Clearance circle | | |
| R | Without bucket | in (mm) 50.7 (1289) |
| S | With foundry bucket in carry position | in (mm) 80.9 (2055) |
| S | With low profile bucket on ground | in (mm) 84.6 (2150) |
| S | With extended low profile bucket on ground | in (mm) 89.3 (2268) |
| T | Clearance circle rear | in (mm) 62.9 (1599) |
| V | Tread width | in (mm) 56.9 (1448) |
| W | Overall width | in (mm) 69.1 (1755) |
| ENGINE | | |
| Manufacturer/model | | ISM / N4LDI-TA-50SL |
| Type | | Diesel 4-stroke, Turbo, D.I. |
| Bore/stroke | in (mm) | 3.31 x 3.94 (84 x 100) |
| Displacement | in ³ (L) | 135 (2.2) |
| Fuel injection | | HPCR Direct |
| Fuel | | #2 diesel |
| Fuel filter | | Pre-filter spin on @ 30 microns Main-filter spin on @ 4 microns |
| Air intake | | Turbocharged Aftercooled with external EGR |
| Cooling | | Liquid |
| Engine Speeds | | |
| High idle - no load | | rpm 2825 +/- 25 |
| Rated - full load | | rpm 2800 |
| Low idle | | rpm 1200 +/- 50 |

| Horsepower per SAE J1349 | | |
|---|----------------------|--|
| | Gross hp (kW) | 67 (50) @ 2800 rpm |
| | Net hp (kW) | 64 (47.7) @ 2800 rpm |
| Peak torque | lb-ft (N•m) | 153 (208) @ 1800 rpm |
| POWER TRAIN | | |
| Drive pump electro hydraulic | | |
| Pump to engine ratio | | 1:1 |
| Displacement | in ³ (L) | 2.14 (35) |
| Flow | gpm (lpm) | 25.1 (95) |
| Charge pressure | psi (bar) | 362 (25) |
| System relief | psi (bar) | 5220 (360) |
| Control | | Electro hydraulic |
| Drive Motors | | |
| Effective max displacement | in ³ (cc) | 19.83 (325) |
| Effective Displacement opt high speed | in ³ (cc) | - |
| Speed @ high idle engine | rpm | 313 |
| Speed @ optional high speed | rpm | 443 |
| Torque @ max displ. and relief pressure | lb-ft (N•m) | 1315 (1783) |
| Travel Speed | | |
| Low range | mph (km/h) | 7.8 (12.5) |
| High range | mph (km/h) | 11.4 (18.3) |
| Final drive | mph (km/h) | Single-reduction chain drive |
| Parking Brake | | |
| Type | | Spring applied, hydraulic release disc |
| Engagement | | Depress on/off brake button on right hand joystick, disconnect lapbelt, get off seat, or stop engine |
| UNDERCARRIAGE | | |
| System | | - |
| Idlers / rollers per side | | - |
| Ground Pressure | | |
| PSI (with spec belt) | | - |

| HYDRAULIC SYSTEM | | |
|------------------------------------|----------------------|--------------------------------|
| Pumps | | |
| Type | | Gear |
| Displacement standard aux. | in ³ (cc) | 1.7 (27.8) |
| Displacement high flow aux. | in ³ (cc) | 84 (13.8) |
| Standard pump flow | gpm (Lpm) | 20.6 (78) |
| Optional high flow | gpm (Lpm) | 30.7 (116.2) |
| Enhanced high flow | gpm (Lpm) | - |
| Loader control valve | | |
| Type | | 3 spool / open center / series |
| Standard relief pressure | psi (bar) | 3046 (210) |
| Enhanced high flow relief pressure | psi (bar) | - |
| Hydraulic filter | | 4 microns / spin on |
| CYLINDERS | | |
| Lift Cylinder | | |
| Bore diameter | in (mm) | 2.5 (63.5) |
| Rod diameter | in (mm) | 1.75 (44.45) |
| Stroke in | in (mm) | 26.8 (681) |
| Closed length | in (mm) | 38.7 (982) |
| Bucket Cylinders | | |
| Bore diameter | in (mm) | 2.75 (69.9) |
| Rod Diameter | in (mm) | 1.38 (34.9) |
| Stroke in | in (mm) | 16.1 (410) |
| Closed length | in (mm) | 24 (610) |
| Rated Operating Load | | |
| 50% tip | lbs. (kg) | 2000 (905) |
| 35% tip | lbs. (kg) | - |
| Tipping load | lbs. (kg) | 4000 (1814) |
| Breakout Forces | | |
| Lift cylinder | lbs. (kN) | 3450 (15.3) |
| Bucket cylinder | lbs. (kN) | 7300 (32.5) |

| Cycle Times | | |
|-------------------------------------|-----------|-------------|
| Raise | sec | 3.5 |
| Lower | sec | 2.3 |
| Dump | sec | 2.6 |
| Roll back | sec | 2.0 |
| Loader control valve | | |
| Type | | - |
| Standard relief pressure | psi (bar) | - |
| Enhanced high flow relief pressure | psi (bar) | - |
| Hydraulic filter | | - |
| WEIGHTS | | |
| Operating weight | lbs (kg) | 6470 (2930) |
| Shipping weight | lbs (kg) | 6170 (2795) |
| SERVICE CAPACITIES | | |
| Fuel tank, gal (L) | | 19.5 (73.8) |
| Engine oil with filter, qt (L) | | 7.5 (7.1) |
| System Capacity with filter, qt (L) | | 34 (32.2) |
| DEF tank, gal (L) | | - |