



Model         ISM N844LT-F           Emissions Certification         Tier 4 Final           Type         Diesel 4-stroke, turbocharged           Cylinders         4           Bore/Stroke         3.31 x 3.94 in (84 x 100 mm)           Displacement         135.2 in <sup>3</sup> (2.2 L)           Fuel injection         Indirect           Fuel injection         Indirect           Fuel filter:         #2 Diesel           Pre-filter         14 micron/in line           Main filter         10 micron/spin-on           Air intake         Turbocharged w/ waste gate and external cooled EGR           Exhaust aftertreatment         Diesel Particulate Filter - DPF           Cooling         Liquid           Engine speeds         RPM           High idle - no load         2825 ±/- 25           Rated - full load         2800           Low idle         1200 ±/- 50           Horsepower @ 2800 RPM - SAE J1349:         Gross           Gross         60 hp (44.7 kW)           Net         57 hp (42.4 kW)           Peak torque @ 1800 RPM         139 lb-ft (188 N·m)           Radiator:         2.77 ft² (0.257 m²)           Core type         All aluminum           Core type         All aluminum	ENGINE	
TypeDiesel 4-stroke, turbochargedCylinders4Bore/Stroke3.31 x 3.94 in (84 x 100 mm)Displacement135.2 in3 (2.2 L)Fuel injectionIndirectFuel#2 DieselFuel filter:Pre-filterPre-filter14 micron/in line main filterMain filter10 micron/spin-onAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPM High idle - no load 2825 +/- 25 Rated - full load Low idle2800 2800 	Model	ISM N844LT-F
Cylinders4Bore/Stroke3.31 x 3.94 in (84 x 100 mm)Displacement135.2 in3 (2.2 L)Fuel injectionIndirectFuel#2 DieselFuel filter: Pre-filter14 micron/in line main filterAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPM 1200 +/- 50High idle - no load Low idle2800 1200 +/- 50Horsepower @ 2800 RPM - SAE J1349: Gross60 hp (44.7 kW) 57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb·ft (188 N·m)Radiator: Core typeAll aluminum 43 x 3 Cap pressureCap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioWater pump: StyleCentrifugal	Emissions Certification	Tier 4 Final
Bore/Stroke3.31 x 3.94 in (84 x 100 mm)Displacement135.2 in3 (2.2 L)Fuel injectionIndirectFuel#2 DieselFuel filter: Pre-filter14 micron/in line main filterAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPM 41gh idle - no load 2825 +/- 25 Rated - full load Low idle2800 1200 +/- 50Horsepower @ 2800 RPM - SAE J1349: Gross60 hp (44.7 kW) NetNet57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb-ft (188 N-m)Radiator: Core typeAll aluminum 43 x 3 Cap pressureCap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioWater pump: StyleCentrifugal	Type Diesel 4	4-stroke, turbocharged
(84 x 100 mm)Displacement135.2 in3 (2.2 L)Fuel injectionIndirectFuel get injection#2 DieselFuel filter:#2 DieselPre-filter14 micron/in lineMain filter10 micron/spin-onAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPMHigh idle - no load2825 +/- 25Rated - full load2800Low idle1200 +/- 50Horsepower @ 2800 RPM - SAE J1349: Gross60 hp (44.7 kW)Net57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb-ft (188 N·m)Radiator: Core typeAll aluminum Core size areaCore typeAll aluminum Core size areaCap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioMater pump: StyleCentrifugal	Cylinders	4
Displacement135.2 in3 (2.2 L)Fuel injectionIndirectFuel#2 DieselFuel filter:Pre-filterPre-filter14 micron/in lineMain filter10 micron/spin-onAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPMHigh idle - no load2825 +/- 25Rated - full load2800Low idle1200 +/- 50Horsepower @ 2800 RPM - SAE J1349: Gross60 hp (44.7 kW)Net57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb-ft (188 N·m)Radiator: Core typeAll aluminum Core size areaCore typeAll aluminum Core size areaCap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioMater pump: StyleCentrifugal	Bore/Stroke	3.31 x 3.94 in
Fuel injectionIndirectFuel#2 DieselFuel filter:Pre-filterPre-filter14 micron/in lineMain filter10 micron/spin-onAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPMHigh idle – no load2825 +/- 25Rated – full load2800Low idle1200 +/- 50Horsepower @ 2800 RPM – SAE J1349: Gross60 hp (44.7 kW)Net57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb-ft (188 N·m)Radiator: Core typeAll aluminum Core size areaCore typeAll aluminum Core size areaCap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioMater pump: StyleCentrifugal		. ,
Fuel#2 DieselFuel filter:Pre-filter14 micron/in lineMain filter10 micron/spin-onAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPMHigh idle – no load2825 +/- 25Rated – full load2800Low idle1200 +/- 50Horsepower @ 2800 RPM – SAE J1349: Gross60 hp (44.7 kW)Net57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb·ft (188 N·m)Radiator: Core typeAll aluminum 43 x 3Cap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioMater pump: StyleCentrifugal		. ,
Fuel filter:Pre-filter14 micron/in lineMain filter10 micron/spin-onAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPMHigh idle – no load2825 +/- 25Rated – full load2800Low idle1200 +/- 50Horsepower @ 2800 RPM – SAE J1349: Gross60 hp (44.7 kW)Net57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb·ft (188 N·m)Radiator: Core typeAll aluminum 43 x 3 Cap pressureCap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioWater pump: StyleCentrifugal		
Pre-filter Main filter14 micron/in line 10 micron/spin-onAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPM High idle - no loadHigh idle - no load2825 +/- 25 Rated - full loadLow idle1200 +/- 50Horsepower @ 2800 RPM - SAE J1349: Gross60 hp (44.7 kW) NetPeak torque @ 1800 RPM139 lb-ft (188 N·m)Radiator: Core typeAll aluminum 2.77 ft² (0.257 m²) Rows of tubes x columns Cap pressureFan: Diameter16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioWater pump: StyleCentrifugal		#2 Diesel
Main filter10 micron/spin-onAir intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPM High idle - no loadHigh idle - no load2825 +/- 25 Rated - full loadLow idle1200 +/- 50Horsepower @ 2800 RPM - SAE J1349: Gross60 hp (44.7 kW) 57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb·ft (188 N·m)Radiator: Core typeAll aluminum 2.77 ft² (0.257 m²) Rows of tubes x columns Cap pressureCap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioMater pump: StyleCentrifugal		d A verte very fire the e
Air intakeTurbocharged w/ waste gate and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter - DPFCoolingLiquidEngine speedsRPMHigh idle – no load2825 +/- 25Rated – full load2800Low idle1200 +/- 50Horsepower @ 2800 RPM – SAE J1349: Gross60 hp (44.7 kW)Net57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb ft (188 N·m)Radiator: Core typeAll aluminum Core size areaCore typeAll aluminum Core size areaCap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioWater pump: StyleCentrifugal		
and external cooled EGRExhaust aftertreatmentDiesel Particulate Filter – DPFCoolingLiquidEngine speedsRPMHigh idle – no load2825 +/- 25Rated – full load2800Low idle1200 +/- 50Horsepower @ 2800 RPM – SAE J1349: Gross60 hp (44.7 kW)Net57 hp (42.4 kW)Peak torque @ 1800 RPM139 lb-ft (188 N·m)Radiator: Core typeAll aluminum 43 x 3 Cap pressureCare speeds16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioWater pump: StyleCentrifugal		•
Filter – DPF           Cooling         Liquid           Engine speeds         RPM           High idle – no load         2825 +/- 25           Rated – full load         2800           Low idle         1200 +/- 50           Horsepower @ 2800 RPM – SAE J1349:         60 hp (44.7 kW)           Gross         60 hp (44.7 kW)           Net         57 hp (42.4 kW)           Peak torque @ 1800 RPM         139 lb-ft (188 N·m)           Radiator:         2.77 ft² (0.257 m²)           Core type         All aluminum           Core size area         2.77 ft² (0.257 m²)           Rows of tubes x columns         43 x 3           Cap pressure         16 +/- 2 psi (1.10 +/- 0.14 bar)           Fan:         Jiameter         17.7 in (450 mm)           Ratio         0.89:1           Water pump:         Style         Centrifugal		0
Cooling         Liquid           Engine speeds         RPM           High idle – no load         2825 +/- 25           Rated – full load         2800           Low idle         1200 +/- 50           Horsepower @ 2800 RPM – SAE J1349:         Gross           Gross         60 hp (44.7 kW)           Net         57 hp (42.4 kW)           Peak torque @ 1800 RPM         139 lb-ft (188 N·m)           Radiator:         Core type           Core type         All aluminum           Core size area         2.77 ft² (0.257 m²)           Rows of tubes x columns         43 x 3           Cap pressure         16 +/- 2 psi (1.10 +/- 0.14 bar)           Fan:         Diameter           Diameter         17.7 in (450 mm)           Ratio         0.89:1           Water pump:         Style	Exhaust aftertreatment	
$\begin{array}{c c} \mbox{Engine speeds} & \mbox{RPM} \\ \mbox{High idle - no load} & \mbox{2825 +/- 25} \\ \mbox{Rated - full load} & \mbox{2800} \\ \mbox{Low idle} & \mbox{1200 +/- 50} \\ \mbox{Horsepower @ 2800 RPM - SAE J1349:} \\ \mbox{Gross} & \mbox{60 hp (44.7 kW)} \\ \mbox{Net} & \mbox{57 hp (42.4 kW)} \\ \mbox{Peak torque @ 1800 RPM} & \mbox{139 lb-ft (188 N·m)} \\ \mbox{Radiator:} \\ \mbox{Core type} & \mbox{All aluminum} \\ \mbox{Core size area} & \mbox{2.77 ft}^2 (0.257 m^2) \\ \mbox{Rows of tubes x columns} & \mbox{43 x 3} \\ \mbox{Cap pressure} & \mbox{16 +/- 2 psi} \\ \mbox{(1.10 +/- 0.14 bar)} \\ \mbox{Fan:} \\ \mbox{Diameter} & \mbox{17.7 in (450 mm)} \\ \mbox{Ratio} & \mbox{0.89:1} \\ \\ \mbox{Water pump:} \\ \mbox{Style} & \mbox{Centrifugal} \\ \end{array}$		
High idle – no load       2825 +/- 25         Rated – full load       2800         Low idle       1200 +/- 50         Horsepower @ 2800 RPM – SAE J1349:       60 hp (44.7 kW)         Gross       60 hp (44.7 kW)         Net       57 hp (42.4 kW)         Peak torque @ 1800 RPM       139 lb-ft (188 N·m)         Radiator:       Core type         Core type       All aluminum         Core size area       2.77 ft² (0.257 m²)         Rows of tubes x columns       43 x 3         Cap pressure       16 +/- 2 psi (1.10 +/- 0.14 bar)         Fan:       17.7 in (450 mm)         Ratio       0.89:1         Water pump:       Style         Style       Centrifugal		•
Rated - full load         2800           Low idle         1200 +/- 50           Horsepower @ 2800 RPM - SAE J1349:         60 hp (44.7 kW)           Gross         60 hp (44.7 kW)           Net         57 hp (42.4 kW)           Peak torque @ 1800 RPM         139 lb·ft (188 N·m)           Radiator:         Core type           Core type         All aluminum           Core size area         2.77 ft² (0.257 m²)           Rows of tubes x columns         43 x 3           Cap pressure         16 +/- 2 psi           (1.10 +/- 0.14 bar)         11.0 +/- 0.14 bar)           Fan:         Diameter         17.7 in (450 mm)           Ratio         0.89:1         Water pump:           Style         Centrifugal	<b>o</b> .	
Low idle         1200 +/- 50           Horsepower @ 2800 RPM - SAE J1349:         60 hp (44.7 kW)           Gross         60 hp (42.4 kW)           Net         57 hp (42.4 kW)           Peak torque @ 1800 RPM         139 lb·ft (188 N·m)           Radiator:         Core type           Core type         All aluminum           Core size area         2.77 ft² (0.257 m²)           Rows of tubes x columns         43 x 3           Cap pressure         16 +/- 2 psi           I.10 +/- 0.14 bar)         17.7 in (450 mm)           Ratio         0.89:1           Water pump:         Style	0	
Gross         60 hp (44.7 kW)           Net         57 hp (42.4 kW)           Peak torque @ 1800 RPM         139 lb·ft (188 N·m)           Radiator:            Core type         All aluminum           Core size area         2.77 ft² (0.257 m²)           Rows of tubes x columns         43 x 3           Cap pressure         16 +/- 2 psi (1.10 +/- 0.14 bar)           Fan:         17.7 in (450 mm)           Ratio         0.89:1           Water pump:         Style		
Gross         60 hp (44.7 kW)           Net         57 hp (42.4 kW)           Peak torque @ 1800 RPM         139 lb·ft (188 N·m)           Radiator:            Core type         All aluminum           Core size area         2.77 ft² (0.257 m²)           Rows of tubes x columns         43 x 3           Cap pressure         16 +/- 2 psi (1.10 +/- 0.14 bar)           Fan:         17.7 in (450 mm)           Ratio         0.89:1           Water pump:         Style	Horsepower @ 2800 RPM	– SAE J1349:
Peak torque @ 1800 RPM         139 lb·ft (188 N·m)           Radiator:		60 hp (44.7 kW)
Radiator: Core typeAll aluminumCore size area2.77 ft² (0.257 m²)Rows of tubes x columns43 x 3Cap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioRatio0.89:1Water pump: StyleCentrifugal	Net	57 hp (42.4 kW)
Core typeAll aluminumCore size area2.77 ft² (0.257 m²)Rows of tubes x columns43 x 3Cap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan:17.7 in (450 mm)Batio0.89:1Water pump:StyleStyleCentrifugal	Peak torque @ 1800 RPM	139 lb·ft (188 N·m)
Core size area2.77 ft² (0.257 m²)Rows of tubes x columns43 x 3Cap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan:17.7 in (450 mm)Batio0.89:1Water pump:StyleStyleCentrifugal		
Rows of tubes x columns43 x 3Cap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) 0.89:1Ratio0.89:1Water pump: StyleCentrifugal		
Cap pressure16 +/- 2 psi (1.10 +/- 0.14 bar)Fan: Diameter17.7 in (450 mm) RatioRatio0.89:1Water pump: StyleCentrifugal		. ,
(1.10 +/- 0.14 bar)       Fan:       Diameter     17.7 in (450 mm)       Ratio     0.89:1       Water pump:       Style     Centrifugal		
Diameter Ratio17.7 in (450 mm) 0.89:1Water pump: StyleCentrifugal		
Ratio0.89:1Water pump: StyleCentrifugal	Fan:	
Water pump: Style Centrifugal	Diameter	17.7 in (450 mm)
Style Centrifugal	Ratio	0.89:1
,		
How 14.7 gpm (55.5 L/min)		
	Flow	
Engine lubrication pump Pressure feed	Engine lubrication pump	
w/ Trichoid pump	Duran an and the state	
Pump operating angle ratings: Side to side 35°		-
Bucket up 35°		
Bucket Down 35°		

## LIFT GEOMETRY

Radial Lift

DRIVETRAIN		
Drive pump controls Pump to engine ratio Displacement Flow @ rated engine R @ 97% efficiency	25.1 gpm (95 L/min)	
Charge pressure System relief pressure	360 psi (24.5 bar) 5,000 psi (345 bar)	
Drive pump controls Pump to engine ratio Displacement Flow @ rated engine R @ 97% efficiency Charge pressure System relief pressure	Electro-hydraulic 1:1 2.14 in <sup>3</sup> (35 cm <sup>3</sup> ) PM: 25.1 gpm (95 L/min) 362 psi (24.5 bar) 5,220 psi (360 bar)	
Drive motors: Displacement 19.8 in <sup>3</sup> (325 cm <sup>3</sup> ) Motor RPM @ high idle and 97% efficiency 313 Max. torque @ 5,000 psi (345 bar): 1,315 lb·ft (1 783 N·m)		
Travel speed	7.4 mph (11.9 kph)	
Final drive Sing	gle-reduction chain drive	
Drive chain: Size Tensile strength	ASA #80 21,000 lb (93.4 kN)	
Axles: Torque Diameter Length	4,381 lb⋅ft (5 940 N⋅m) 2.0 in (50.8 mm) 13.2 in (346.0 mm)	
Parking brake: Type S Engagement Dep on har	Spring-applied, hydraulic release multiple disc. press on/off brake button ndle or instrument panel,	
raise seat dar, ge	t off seat or stop engine.	

ELECTRICAL		
Alternator	120 amp	
Starter	2.95 hp (2.2 kW)	
Battery	12-volt low-maintenance	
925 cold-cranking amps @ 0° F (-18° C°)		

## **OPERATOR ENVIRONMENT**

ROPS/FOPS Level 1 canopy w/ side screens; Keyed start ignition; Tilt ROPS/FOPS; Rear window w/ emergency escape; Suspension Seat, vinyl w/ 2 in (51 mm) retractable 3 point lap seat belt; Hand and foot throttle; Alarm package – back-up and horn; Headliner; Dome Light; Top window; Cup holder; 12V Power plug socket; Foot rest; Seat pocket; Padded seat bar w/ integral armrests; Loader control lockout system; Electric parking brake control; Operator's compartment floor cleanout; Proportional auxiliary hydraulic control – on joystick; Advanced Instrument Cluster w/ digital hour meter, SR160 SKID STEER LOADER TIER 4 FINAL CERTIFIED

tachometer, fuel level LCD bar graph w/ alarm, diagnostic features and security lockout.

- Warning lights with alarms:
- Engine coolant temperature; Engine oil pressure; Engine malfunction; Hydraulic charge pressure; Hydraulic filter restriction; Hydraulic oil temperature: Critical system stop, Engine system, Hydraulic system, Electrical and diagnostic system.

#### Warning alarms:

Battery voltage – plus display; Oil service. Indicator light:

Engine preheat; Parking brake;

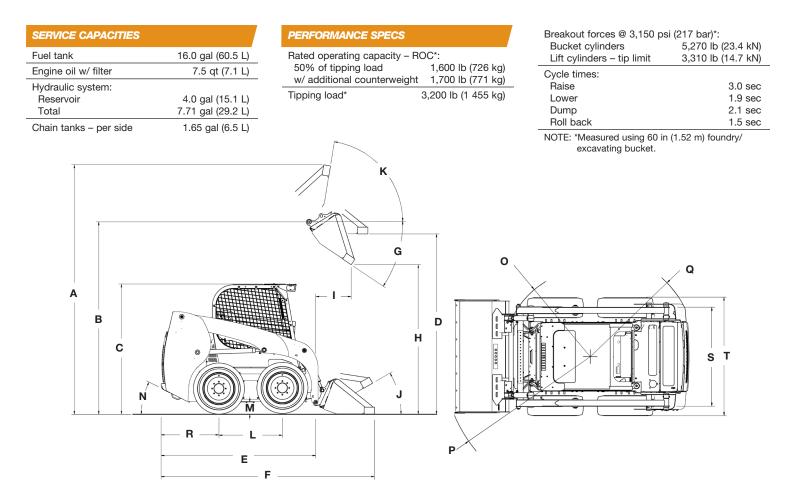
Seat bar reminder.

#### **OPERATING WEIGHT**

Unit equipped w/ open cab; 165 lb operator; 60 in Dirt & Foundry bucket; full of fuel; 10 x 16.5 tires: 5,510 lb (2 505 kg)		
Shipping weight	5,210 lb (2 370 kg)	
Add-on weights: Side cab glass Polycarbonate cab door Glass cab door w/ wiper Suspension seat Additional counterweight	47 lb (21.3 kg) 74 lb (33.6 kg) 134 lb (60.8 kg) 22 lb (10.0 kg) 168 lb (76.2 kg)	

## **HYDRAULICS**

Implement pump type	Gear	
Displacement	1.52 in <sup>3</sup> (24.9 cm <sup>3</sup> )	
Standard flow @ rated engine RPM: @ 100% efficiency 18.4 gpm (69.7 L/min)		
Loader control valve: Type 3 spool/op Relief pressure	en center/series - series 3,050 psi (210 bar)	
Port relief pressures: Loader raise Bucket curl Bucket dump	3,263 psi (225 bar) 3,770 psi (260 bar) 1,160 psi (80 bar)	
Hydraulic lines: Tubing Loop hoses	37° JIC Flare SAE 100 R19	
Hydraulic oil cooler: Number of fins 1 Number of tube rows x Area	0 per inch (3.94 per cm) columns 9 x 1 130.7 in <sup>2</sup> (843.2 cm <sup>2</sup> )	
Hydraulic filter	Beta (4) = 75/spin-on	
Lift cylinders: Bore diameter Rod diameter Stroke Closed length	2.25 in (57.2 mm) 1.38 in (34.9 mm) 25.40 in (645.0 mm) 38.94 in (989.0 mm)	
Bucket cylinders: Bore diameter Rod diameter Stroke Closed length	2.50 in (63.5 mm) 1.38 in (35.0 mm) 14.57 in (370.1 mm) 23.38 in (594.0 mm)	



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS	
A. Overall operating height: with foundry/excavating bucket with low profile bucket with low profile extended bucket	141.4 in (3.59 m) 146.9 in (3.73 m) 152.0 in (3.86 m)
Height to: <b>B.</b> Bucket hinge pin <b>C.</b> Top of ROPS <b>D.</b> Bottom of level bucket, fully raised	112.0 in (2.85 m) 75.5 in (1.92 m) 105.6 in (2.68 m)
Overall length: E. without attachment with coupler F. with foundry/excavating bucket on ground with low profile bucket with low profile extended bucket	95.9 in (2.44 m) 119.2 in (3.03 m) 125.0 in (3.18 m) 129.8 in (3.30 m)
G. Maximum dump angle H. Dump height: with foundry/excavating bucket with low profile bucket	40.2° 88.4 in (2.25 m) @ 40.2° 84.8 in (2.15 m) @ 40.2°
I.       Dump reach at maximum height with low profile bucket         Maximum attachment rollback:         J.       Bucket on ground         K.       Bucket at full height	22.7 in (0.58 m) @ 40.2° 26.1° 95.2°
<ul><li>L. Wheelbase</li><li>M. Ground clearance – bottom of belly pan</li></ul>	37.0 in (0.94 m) 7.0 in (0.18 m)
<ul> <li>N. Angle of departure</li> <li>Clearance circle:</li> <li>O. without bucket</li> <li>P. with 60 in (1.52 m) foundry/excavating bucket in carry position with 60 in (1.52 m) low profile bucket on ground with 60 in (1.52 m) extended low profile on ground</li> </ul>	22.0° 48.7 in (1.24 m) 73.3 in (1.86 m) 78.5 in (1.99 m) 83.1 in (2.11 m)
Q. Clearance circle rear         R. Rear axle to bumper         S. Tread even source with energy lines	56.4 in (1.43 m) 33.8 in (0.86 m)
S. Tread over gauge with spec lines         T. Over the tire width spec tires	49.2 in (1.25 m) 59.0 in (1.50 m)

TIRE SELECTION				
Type	Size	Tread Gauge	Over Tires Width	Each Tire Weight*
Туре				
Heavy-Duty	10 L x 16.5	49.2 in (1.25 m)	59.0 in (1.50 m)	87 lb (39.5 kg)
Premium	10 L x 16.5	49.2 in (1.25 m)	59.0 in (1.50 m)	96 lb (44.0 kg)
Premium-Lined	10 L x 16.5	49.2 in (1.25 m)	59.0 in (1.50 m)	63 lb (28.5 kg)
Non-Pneumatic – Solid	10 L x 16.5	51.0 in (1.29 m)	64.0 in (1.55 m)	229 lb (104.0 kg)
Premium	27 L x 10.5-15	_	64.0 in (1.63 m)	69 lb (31.0 kg)

NOTE: \*Tire weight does not include the wheel weight.

OPTIONAL BUCKETS			
Туре	Width	Weight	Heaped Capacity
Dirt & Foundry	60 in (1.52 m)	300 lb (138 kg)	11.3 ft <sup>3</sup> (0.32 m <sup>3</sup> )
	66 in (1.68 m)	385 lb (175 kg)	14.8 ft <sup>3</sup> (0.42 m <sup>3</sup> )
	72 in (1.83 m)	420 lb (190 kg)	16.2 ft <sup>3</sup> (0.46 m <sup>3</sup> )
Low Profile	60 in (1.52 m)	375 lb (170 kg)	12.0 ft <sup>3</sup> (0.34 m <sup>3</sup> )
	66 in (1.68 m)	440 lb (200 kg)	13.4 ft <sup>3</sup> (0.38 m <sup>3</sup> )
	72 in (1.83 m)	480 lb (218 kg)	14.8 ft <sup>3</sup> (0.42 m <sup>3</sup> )
Low Profile Extended	60 in (1.52 m)	400 lb (182 kg)	14.1 ft <sup>3</sup> (0.40 m <sup>3</sup> )
	66 in (1.68 m)	470 lb (214 kg)	15.9 ft <sup>3</sup> (0.45 m <sup>3</sup> )
	72 in (1.83 m)	510 lb (232 kg)	17.7 ft <sup>3</sup> (0.50 m <sup>3</sup> )
Light Material	60 in (1.52 m)	375 lb (170 kg)	19.4 ft <sup>3</sup> (0.55 m <sup>3</sup> )
°	72 in (1.83 m)	475 lb (216 kg)	23.3 ft <sup>3</sup> (0.66 m <sup>3</sup> )
Manure & Slurry	60 in (1.52 m)	370 lb (168 kg)	15.9 ft <sup>3</sup> (0.45 m <sup>3</sup> )
	72 in (1.83 m)	480 lb (218 kg)	19.1 ft <sup>3</sup> (0.54 m <sup>3</sup> )
Heavy-Duty	66 in (1.68 m)	450 lb (205 kg)	13.1 ft <sup>3</sup> (0.37 m <sup>3</sup> )
	72 in (1.83 m)	510 lb (230 kg)	14.1 ft <sup>3</sup> (0.40 m <sup>3</sup> )
Heavy-Duty with spillguard	66 in (1.68 m)	520 lb (235 kg)	16.6 ft <sup>3</sup> (0.47 m <sup>3</sup> )
· · · · -	72 in (1.83 m)	585 lb (265 kg)	18.4 ft <sup>3</sup> (0.52 m <sup>3</sup> )

## STANDARD EQUIPMENT

**OPERATOR ENVIRONMENT** 

#### See page 1

#### ENGINE

ISM N844L-F diesel 135.2 CID (2.2 L) Turbo Tier 4 Final Certified Spark Arresting Diesel Particulate Filter (DPF) muffler Charged Air Cooler (CAC) Indirect fuel injection Horsepower: Gross: 60 hp (44.7 kW) Net: 57 hp (42.4 kW) Peak torque: 139 lb·ft (188 N·m) 120 amp alternator Dual element air cleaner Organic Acid Technology (OAT) Anti-freeze solution to -34° F Fuel tank - 16 gal (U.S.) Over and under radiator and oil cooler Single plane, top and bottom oil cooler/ radiator configuration Glow plugs

## **OPTIONAL EQUIPMENT**

#### **OPERATOR ENVIRONMENT**

Enclosed cab: Fully sealed and pressurized - FSP Glass door with wiper and washer Sliding side windows - removable Ventilation system with integrated heater AM/FM radio with 2 speakers

Keyless start ignition

Control lockout system

Electro-hydraulic controls: For drive/steering, loader functions Switchable between H and ISO patterns Adjustable sensitivity of controls

Mechanical hand controls

Hand and foot controls:

Hand controls the loader drive function and foot controls the bucket and boom

Non suspension seat

Deluxe cloth, air suspension seat, with heater and lumbar support

Open cab interior trim package

Demolition cab door with polycarbonate FOPS level 2

Integral engine oil cooler Fuel filter with water trap 925 CCA 12V battery Master electrical disconnect

#### DRIVETRAIN

1-speed hydrostatic four wheel drive ASA #80 drive chain SAHR disc parking brake

#### **HYDRAULICS**

Auxiliary hydraulics: @ 3,050 psi (210 bar) - 18.4 gpm (69.7 L/min) 6 micron oil filtration system 3-spool loader control valve Auxiliary hydraulic disconnects, ISO flat-face - connect-under-pressure with case drain Hydraulic circuit pedal lock Auxiliary function lockout override Loader lift lockout override Heavy-duty hydraulic oil cooler Loader arm float position Loader function lockout system

#### LOADER

Manual attachment coupler Radial lift geometry Loader lift arm support strut SAE operating load: 1,600 lbs Tipping load: 3,200 lbs

#### TIRES

10 X 16.5 Heavy duty

#### **OTHER STANDARD FEATURES**

Halogen lights - 2 front, 2 side, 2 rear flood Heavy duty front lights Pre-wired for rotating beacon Lockable service access hood Single-point daily service Rear tail lights Remote oil drain Remote oil and fuel filters Block heater Debris ingression sealing Mounting points for add-on counterweights

### **HYDRAULICS**

Second auxiliary hydraulics Hydraulic one-way self-leveling Ride control

#### LOADER

Hydraulic attachment coupler

## OTHER

Language decals Factory-installed tires - see page 3 Buckets - see page 3 Bolt-on bucket cutting edges Bolt-on heavy-duty bucket spill guard Special paint Offsite service arrangement Telematics

#### FACTORY SUPPLIED ATTACHMENTS

- Interior mirror
- Add-on counterweights Road lights Rotating beacon Four-corner LED strobe Bolt-on heavy-duty bucket teeth 48 in (1.22 m) pallet forks

### **SERVICE PARTS**

3 inch (76.2 mm) retractable seat belt

# CaseCE.com

©2018 CNH Industrial America LLC. All rights reserved. CASE is a trademark registered in the United States and many other countries. owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. CNH Industrial Capital is a trademark in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. Printed in U.S.A. Contains 10% post-consumer fiber.

IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodieselfriendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAF Standards or Recommended Practices, where applicable.

▲ SAFETY™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE201811SB160 Replaces Form No. CCE201608SR160T4