



CASE

CONSTRUCTION

SR130

SKID STEER LOADER



DIMENSIONS

A. Overall operating height – with foundry/excavating bucket short lip with low profile/standard lip bucket with low profile extended / long lip bucket	3.60 3.73 3.86
Height –	
B. Bucket hinge pin	2.84
C. Top of ROPS	1.92
D. Bottom of level bucket, fully raised	2.68
Overall length	
E. without attachment with coupler	2.44
F. with foundry excavation bucket on ground with low profile bucket with low profile extended bucket	3.03 3.18 3.30
G. Dump angle	40.2°
H. Dump height – with foundry/excavating bucket short lip with low profile/standard lip bucket	2.25 2.15
J. Dump reach (max. height)	0.47
Maximum attachment rollback –	
K. Bucket on ground	26.1°
L. Bucket at full height	95.2°
M. Wheelbase	0.94
P. Ground clearance (bottom of belly pan)	0.18
Q. Angle of departure	22°
Clearance circle –	
R. without bucket	1.24
S. with 60-in (1.52 m) foundry bucket in carry position with 60-in (1.52 m) inch low profile bucket on ground with 60-in (1.52 m) inch extended low profile on ground	1.92 1.99 2.11
T. Clearance circle rear	1.43
U. Rear axle to bumper	0.86
V. Tread width with spec tyres	1.25
W. Over the tyre width with spec tyres	1.52

*All dimensions are in meters

PERFORMANCE SPECS

Rated operating load – 50%	590 kg
Tipping load	1179 kg
Breakout forces –	
Lift cylinder	19 kN
Bucket cylinder	18.5 kN
Cycle times – (seconds)	
Raise	3.4
Lower	2.1
Dump	1.9
Roll back	1.3

STANDARD BUCKET

Type	Width (m)	Weight (kg)	Heaped Capacity (m³)
Dirt & Foundry	1.5	122	0.33

For further information, contact:



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Authorised Dealer

Case Construction Equipment is a division of CNH Global N.V., a global leader in the agricultural and construction equipment businesses, which is part of Fiat Industrial
 Specification subject to change without notice due to product upgradation

SR130 - 0812

THE STRENGTH TO PERFORM

CASE

CONSTRUCTION

Model	ISM N844 / M3 diesel
Type	4-stroke, naturally aspirated
Cylinder	4
Bore/stroke	84 x 90 mm
Displacement	2.0 L
Fuel injection	Indirect
Fuel	High Speed diesel (HSD)
Fuel filter	In-line strainer
Air intake	Naturally aspirated w/ Internal EGR
Cooling	Liquid
Engine speeds	
High idle - no load (rpm)	3140 +/- 50
Rated -full load (rpm)	2900
Low idle (rpm)	1080 +/- 50
Horsepower per SAE J1349	
Gross	46 hp (34.3 kW) @ 2900 rpm
Net	43 hp (31.8 kW) @ 2900 rpm
Peak torque	130.5 Nm @ 1750 rpm



Better visibility

POWERTRAIN

Drive pump – Mechanical	
Individual pumps for LH and RH	
Pump to engine ratio	1:1
Displacement	35 cc
Flow at rated engine rpm	
@100% efficiency	102 L/min
Flow	Bi-directional
Charge pressure	25 bar
System relief	345 bar
Control	Direct Mechanical
Drive motors	Fixed displacement radial piston
Max. displacement	325 cc
Speed @ rated engine rpm	313
Torque @ max. displacement and relief pressure	1784 N-m
Travel speed –	6.7 kmph
Final drive	Single-reduction chain drive
Drive chain –	
Size	ASA #80
Tensile strength	93.4 KN

Axles	
One-piece, forged induction-hardened high carbon steel	
Torque @ max. displacement and relief pressure	6600 N-m
Diameter	50.8 mm
Length	346 mm
Parking Brake	
Spring-applied, hydraulic release disc	
Engagement	
Depress on/off brake button on handle or instrument panel, raise seat bar, get off seat, or stop engine	

ELECTRICAL SYSTEM

Alternator	120 amp
Starter	2.0 kW
Battery	
12-volt low-maintenance 1000 CCA @ 0° F (-18° C)	

STANDARD TYRE

	Size inch	Tread Width inch (mm)	Width Over Tyres inch (mm)
Heavy-Duty	10 x 16.5	49 (1248)	59 (1517)

*Tyre weight does not include the wheel weight



Spacious cabin

ENGINE COOLING

Radiator –	
Core type	All aluminum
Core size area	0.226 m ²
Rows of tubes	43
Cap pressure	16 +/-2 psi
Fan –	
Diameter	450 mm
Ratio	0.89:1
Water pump	
Style	Centrifugal
Flow	50.1 L/min
Engine lubrication	
Pump	Pressure feed with Trichoid pump
Pump operating angle ratings	
Side to Side	35°
Bucket Up	35°
Bucket Down	35°
Oil filtration	Replaceable, full-flow cartridge

HYDRAULIC SYSTEM

Standard equipment pump –	
Type	Gear
Displacement	20.4 cc
Pump flow @ rated engine rpm @ 100 % efficiency	59 L/min
Loader control valve	
3 Spool / Open Center / Series	
Relief pressure	207 Bar
Hydraulic lines –	
Tubing 37° JIC Flare	
Loop hoses SAE 100 R13	
Hydraulic oil cooler –	
Number of tubes	9
Area	775.5 cm ²
Hydraulic filter 6 micron / Spin on type	

INSTRUMENTATION

Indicators	
Digital Hourmeter	
Fuel level LCD bar graph with alarm	
Warning lights with alarms	
Engine coolant temperature	
Engine oil pressure	
Engine Malfunction	
Hydraulic charge pressure	
Hydraulic filter restriction	
Hydraulic oil temperature	
Warning alarms	
Battery voltage (plus display)	
Indicator light	
Engine preheat	
Parking brake	
Seat bar reminder	



Connection for auxiliary attachment



Instrument cluster

WEIGHTS

Unit equipped with 10.00 x 16.5 Galaxy Beefy Baby II tyres, 1.5 m foundry/excavating bucket, mechanical attachment coupler, full fuel tank and 75 kg operator	2270 kg
Shipping weight	2130 kg

SERVICE CAPACITIES

Fuel tank	60.5 L
Engine oil with filter	7.5 L
Hydraulic system – Reservoir	15.13 L
Chain tanks (per side)	6.3 L



Easy accessibility

STANDARD EQUIPMENT

ROPS/FOPS level 1 canopy with side screens
Control lockout system
Tilt ROPS/FOPS
Rear window with emergency escape
Instrument panels
2 in (51 mm) retractable seat belt
Hand throttle
Foot throttle
Alarm package
Headliner
Top window
Cup holder
Power plug socket
Foot rest
Storage tray
Low effort ergonomic hand controls
Padded seat bar with integral armrests
Loader control lockout system
Electric parking brake control
Floor cleanout panel

LOADER

Radial loader arm design
Mechanical attachment coupler
Loader lift arm support strut

ENGINE

ISM N844 / M3 diesel
Integral engine oil cooling
Fuel filter with water trap
Dual element air cleaner
120 amp alternator
1000 CCA 12-volt battery
Glow plug
Over & under radiator and oil cooler
Spark arresting muffler

POWERTRAIN

Hydrostatic four wheel drive
ASA #80HS drive chain
SAHR disc parking brakes

HYDRAULICS

Hydraulic circuit pedal lock
Loader arm-mounted ISO flat face connectors
Auxiliary function lockout override
Loader function lockout system
Loader lift lockout override
3-spool loader control valve
Heavy-duty oil cooler
Loader arm float position