

E135 SRLC SPECIFICATIONS



TIER-2 EMISSIONED ENGINE

Net flywheel power (ISO 14396)63 kW / 85 hp
 Rated rpm 2050
 Make and modelISUZU - 4BG1TA
 TypeDiesel 4-stroke, direct injection
 Aspirationturbo
 Number of cylinders 4
 Displacement4329 cm³
 Bore x Stroke.....105 x 125 mm

Electronic engine rpm control dial type

Auto-Idling selector returns engine to minimum rpm when all controls are in neutral position.



ELECTRICAL SYSTEM

Voltage24 V
 Alternator 30 A
 Starter motor 4.5 kW
 Standard maintenance-free batteries2



HYDRAULIC SYSTEM

S.H.S. (Smart Hydraulic System) and **computerised hydraulic pump delivery** for perfect controllability and simultaneity of all movements.

Operating mode selector: **H** – heavy duty
S – standard
FC – precision jobs

Main pumps:

Two variable delivery axial piston pumps
 Pumps automatically revert to zero delivery with controls in neutral
 Maximum delivery.....2 x 118 l/min
 Piloting circuit gear type pump
 Maximum delivery21 l/min

Maximum operating pressure:

Equipment.....330 bar
 Superstructure swivel265 bar
 Travel.....350 bar
 Pilot circuit.....50 bar

Hydraulic cylinders	Number	Bore	Stroke
Lift	2	100 mm	1038 mm
Penetration	1	115 mm	1150 mm
Bucket	1	95 mm	885 mm



TRANSMISSION

Type.....hydrostatic, two-speed
 Travel motors.....2, axial piston type, double displacement
 Brakes.....automatic discs type
 Final drivesoil bath, planetary reduction
 Gradeability (continuous)70% (35°)
 Travel speeds:
 Low.....from 0 to 3.5 km/h
 Highfrom 0 to 6.0 km/h

Traction force13000 daN

Automatic DownShift device: to move travel motors to maximum displacement position with selector on speed when greater traction is required.



SWING

Swing motoraxial piston type
 Swing brakeautomatic discs type
 Final driveoil bath, planetary reduction
 Swing ringoil bath type
 Swing speed11.7 rpm



CAB AND CONTROLS

Transparent upper cab roof.
 Automatic conditioning.
 Controlspiloted
 Two cross path pattern levers actuate all equipment movements and superstructure swing
 One lever for blade lower/lift(option)
 Two pedals with detachable "hand" levers control all track movements, counter-rotation included.
 A safety lever completely neutralizes the piloting circuit.



UNDERCARRIAGE

HD track chain with sealed bushings
 Rollers
 Track rollers (each side)6
 Carrier rollers (each side)1
 Length of track on ground1990 mm
 Gauge3035 mm
 Shoes.....500 - 600 - 700 mm - triple grouser



BLADE (option)

Width x Height2490 x 570 mm
 Lift from ground490 mm
 Lower to ground540 mm
 Weight (including cylinders and frame).....600 Kg

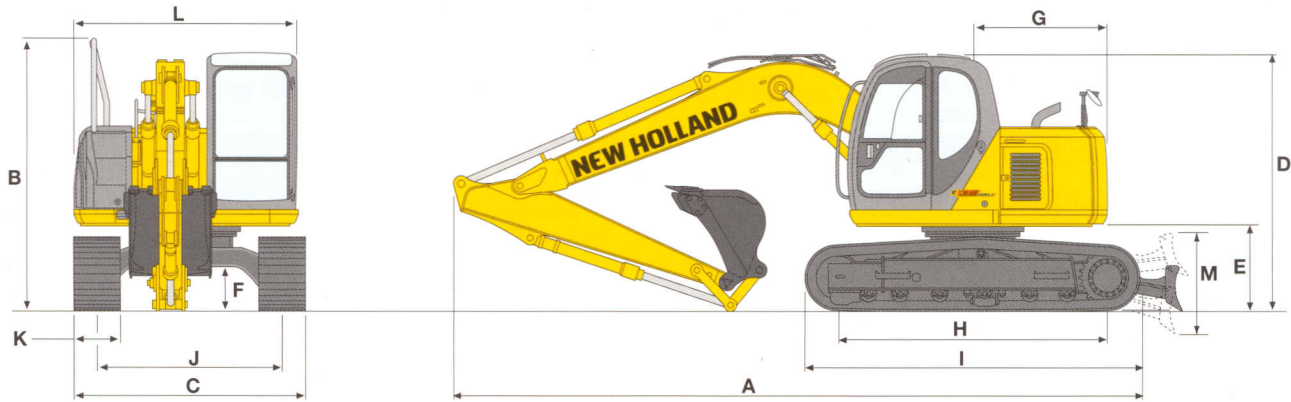


CAPACITIES

Engine	litres
Lube oil	13.0
Coolant	18.0
Fuel tank	168.0
Hydraulic reservoir	140.0
Swing reduction	1.7
Travel reduction (each)	2.5

MONOBLOC BOOM

DIMENSIONS (mm) - OPERATING WEIGHTS

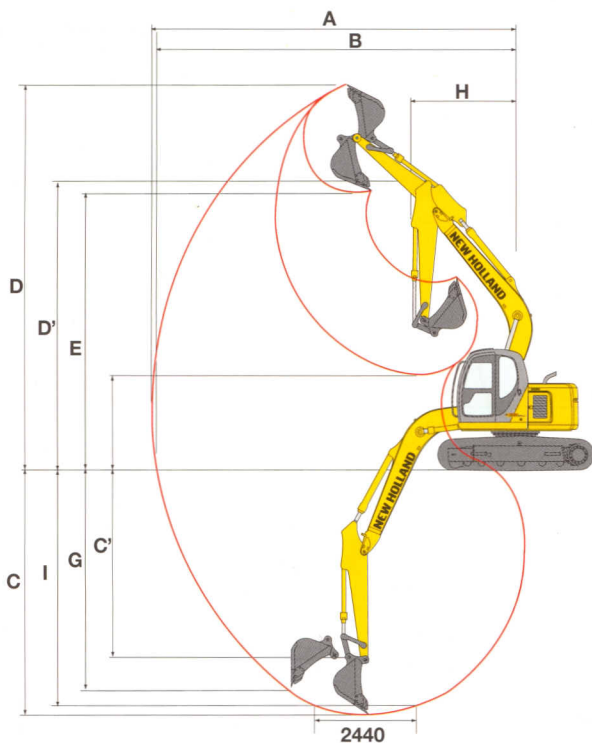


A	B	C	D	E	F	G	H	I	J	K	L	M
7470	2810	2490 (1)	2740	910	455	1425	3035	3470	1990	500	2410	1030

(1) 500 mm shoes

Shoes type		3 grouser steel		
K - Shoe width	mm	500	600	700
C - Maximum width	mm	2490	2590	2690
Operating weight (w/o blade)	kg	13600	13900	14100
Ground pressure	bar	0.41	0.35	0.31

DIGGING PERFORMANCE



DIPPERSTICK	mm	2450	2950
A	mm	8340	8770
B	mm	8210	8650
C	mm	5500	6010
C'	mm	4290	4790
D	mm	8830	8860
D'	mm	7430	7660
E	mm	6200	6440
F	mm	2120	1650
G	mm	4960	5250
H	mm	2380	2650
I	mm	5300	5630

BREAKOUT FORCE:			
Bucket	daN	9000	9000
Dipperstick	daN	6500	6000