



NEW HOLLAND

COMPACT EXCAVATORS



E10SR E18SR E27B E30B E35B E50B E55Bx



Because New Holland Construction compact excavators are so easy to use in tight spaces and around obstacles, they handle jobs other machines can't. But these compact excavators aren't just for small jobs. They're so versatile, powerful and maneuverable that they also earn their keep on large job sites.

“No worries” with zero tail swing

- Counterweight never extends beyond the tracks
- Operators are able to fully concentrate on the task at hand
- Less chance of causing damage to machine or job site
- Helps ensure on-site safety and peace of mind
- Works where other machines can't

Compact dimensions plus boom swing

- Work in tight areas or beside walls and fences
- Compact dimensions for tight sites, power for open digging

Multiple uses

- Standard dozer blade
- Standard auxiliary hydraulics for hammer and auger
- A variety of attachments available

Roomy operators station

- Wide access for easy entry and exit
- Larger platform for more comfort
- Adjustable seat for increased comfort

	Net power		Operating weight* kg
	kW	Hp	
E10SR	6.1	8.1	1140
E18SR	11.3	15.2	1725
E27B	15.9	21.6	2565
E30B	22.5	30.0	3275 - 3687
E35B	22.5	30.0	3655 - 3915
E50B	30.7	41.1	4705 - 4945
E55Bx	30.2	40.4	5075 - 5600

*Operating weight range depending on configuration, as per SAE with 79kg operator



New Holland Compact Excavators* are built to minimise impact on air quality. The machines are equipped with state of the art diesel engines which meet and exceed stringent International Tier 4A regulations for engine emissions.



Auxiliary hydraulics is standard on all models. Run hammers using the single acting circuit or use the selector valve to give dual acting flow to run augers and nibblers.



With zero tail swing the counterweight will never extend beyond the tracks.



Swing the boom wide to the right or left to dig in difficult-to-reach spots, against walls, or into corners that would otherwise require hand tools.



Models E10SR and E18SR feature retractable undercarriage providing minimum width for tight access and maximum stability when digging.



MOVE MORE DIRT PER HOUR

New Holland Construction compact excavators help you make the most of every minute on the job. Their increased horsepower, breakout force and faster cycle times let you dig, push and move more material per hour (cost effectively).

Powerful, reliable engines

- Increased engine power
- Water-cooled with large radiators
- Fuel-efficient and quiet
- Exceed Tier 4 emission standards (depending on model) for less environmental impact

Two travel speeds

- Straight propel system keeps machine on course
- Push-button changes between low and high travel speeds
- One-touch engine deceleration (E27B - E55Bx)
- Automatic downshift in high speed when turning
- Soft start travel valves reduces shockloads

Boom swing

- Precise swing stops with upper swing shockless valve
- Independent boom swing pump allows simultaneous operation of boom, arm, bucket and swing

Maximum traction with rubber or steel tracks

- Rubber tracks for low noise and less surface damage
- Steel tracks provide extended track life
- Rubber bolt-on pads are also available for steel tracks

Improved dozer blade performance

- Durable construction
- Advanced design for improved “boiling action”
- Equal blade and undercarriage width
- Handy for backfilling, grading, light finish work and site cleanup
- High blade lift for climbing batters and loading ramps



Standard rubber tracks reduce work site noise and minimise damage to asphalt, concrete or turf. Optional steel tracks available.

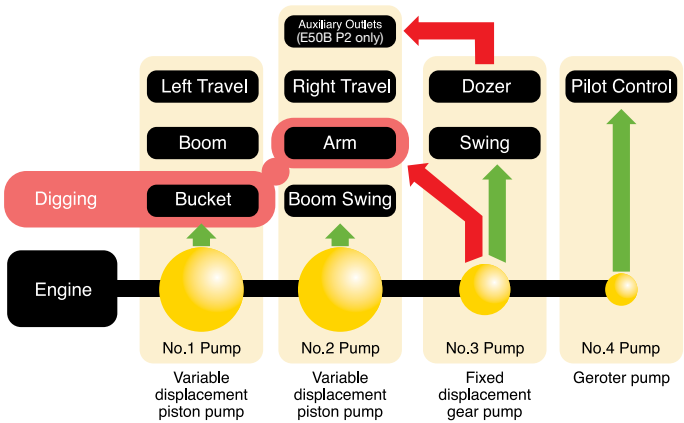


Backfill and grade more efficiently than ever before thanks to the new dozer blade design. Material ‘boils’ in front of the blade rather than falling over the back.



Choose high or low travel speeds with the push of a button on the travel lever. When traveling in high speed, the system automatically downshifts on turns.

Integrated Flow Pump System (E18SR - E55Bx)



The New Holland Integrated Flow Pump System uses variable displacement piston pumps and a fixed displacement gear pump to deliver maximum performance and control.

Separating the oil flows allows for easy simultaneous operation of boom, arm, bucket and turret swing. The 2nd pump and 3rd pump flows combine to boost arm speed and power. Flow to the auxiliary outlets for hammer or auger comes from the 2nd variable pump on model E50B and from pumps 2 and 3 for models E18SR – E55Bx. The dozer blade is powered by the 3rd pump, so oil flow to the tracks is maintained when adjusting blade position.

The model E10SR has two high efficiency variable displacement piston pumps to provide the main oil flows and a gear pump to provide pilot pressure for the control system. The variable pumps adjust the hydraulic flow according to the load, allowing the maximum use of engine power for speed and power.

With outstanding visibility and controls that are smooth and easy to operate, operators remain comfortable and stay productive.

More spacious and comfortable

- 20% larger operator platform provides more legroom
- Three-post design and four-post (E55Bx canopy) provides wider access to platform for easy entrance and exit

Comfortable seating

- Cushioned seat adjusts to suit each operator
- Standard armrests
- Extended seat slide adjustment

Optional fully enclosed cabin

- Wider front glass for increased visibility
- Increased door width
- Factory air conditioning is standard with fully enclosed cabin

Light-touch, low-effort controls

- Responsive for delicate work
- Auxiliary hydraulic foot controls
- Easy-reach dozer blade control handle
- Pattern change valve to select from 'excavator pattern' (ISO) or 'backhoe pattern' (SAE) (E18SR- E55Bx)

Operator Protection

3 post structure, E18SR-E50B and E55Bx 4 post canopy meets –

- TOPS Standard ISO 12117 1997 for tip over protection
- TOP Guard standard ISO 10262 for falling objects
- ROPS ISO:3471:2008
- FOP I ISO 10262:1998

The E10SR is equipped with 2 post folding ROPS/TOPS

- It meets ROPS ISO Standard 3471 1994 (Roll Over Protection Structure) & TOPS ISO Standard 12117:1997

INFORMATION ON DISPLAY
Gauges
• Engine coolant temperature
• Fuel gauge
• Hour meter
Warning Lamps / Indicators
• High engine coolant temperature
• Alternator charge
• Low engine oil pressure
• Low fuel level (E18SR – E55Bx)
• High speed travel
• Travel alarm (also has silent running switch)
• Horn



OPERATOR
COMFORT
IS STANDARD

More seat adjustment

Long legs or short, you'll find a seating position that suits you perfectly. These compact excavators offer the longest seat track on the market, to make you more comfortable and productive.



The wider cab provides an excellent view to the trench and surrounding work area. Keep cool and out of the dust with the factory optional enclosed cabin and air conditioning. In good weather the front windshield can be lifted out and stowed safely.



The large operator platform and wider threshold make it easy to step on and off. The 3 post and 4 post design combines maximum strength and ease of access.



Hydraulic pilot controls on all models give low effort, vibration free, accurate operation. Manipulators control the low pressure servo circuit that in turn opens the main control valves giving large excavator style operation.

E55Bx

MORE VERSATILITY & POWER IN TIGHT AREAS



The new E55Bx compact excavator is built around you for unmatched on the job performance. With superior lifting capacities and a longer swing radius than competitive machines, the new short-radius E55Bx is more stable, lifts bigger loads and gets the job done faster.

Whether you work in construction, demolition or landscaping, the lifting, digging, loading and dozing performance of the versatile new E55Bx will save you time and money.



Key Features

No matter what the operation digging, swinging, loading or dozing—this machine will be profitable for owners.

Reliable cab structure with the high-strength cab that meets all three TOPS, ROPS, and FOPS standards for greater operator safety.

Excellent front visibility with a newly designed cab and a generous width of 820mm, the newly designed cab offers unobstructed views.

A clear view is provided at the rear, and there is also more floor space, with a seat that slides further to ensure plenty of foot room.

A newly installed accumulator allows you to easily lower attachments to the ground in the event of an emergency engine shut-down.

Tie-down bracket is provided on the crawler frame to secure it firmly for transportation and enhanced safety.

Outstanding cooling performance as the radiator features a new intake method that simplifies cleaning and helps prevent clogging.

Plenty of lifting power with the heavier counterweight that provides greater stability, with lifting power to spare.

Large capacity fuel tank of 75 liters to allow for continuous operation.

Accumulator for emergency attachment lowering safely to the ground using in-cab controls in the event of an unexpected emergency.

Easy access electrical compartment under the seat.

Large, thick cast-iron swing bracket.

Reliable, tested and proved lower structure.

Improved cooling for outstanding performance with an engine cooling method that draws in fresh air.

Two-piece floor mats makes washing easier.



MAINTENANCE MADE EASY

New Holland compact excavators are built with ease of maintenance in mind. Swing-open service doors and hinged access covers provide fast, easy access to maintenance points. And, there's no need to tilt or remove the canopy or cab to access the swing motor, boom swing cylinder and control valve. It's as easy as removing the appropriate guards.

Ground level start up checks

- Easy to understand layout and cover design
- Simplified access and reduction in check times
- Hour meter can be checked from the ground, key off
- Fuel tank can be filled from the ground
- Right cover has a small window that makes hammer and auger selection easy
- Sight gauge for hydraulic oil level

Easy access to components

- Wider opening bonnet provides easy access to hydraulic valves

Easy cleaning

- Radiator is easy to clean
- Two piece floor mats for easy washing
- The floor plate has no projections, making it easy to wash down and wipe dry
- Resin fuel tank resists rust and is removable for easy cleaning
- Oil spill pan for engine oil filter
- No tools needed for fuel tank drain cock
- Quick drain for engine oil provided as standard
- Sealed and pressurised hydraulic tank excludes dirt and moisture



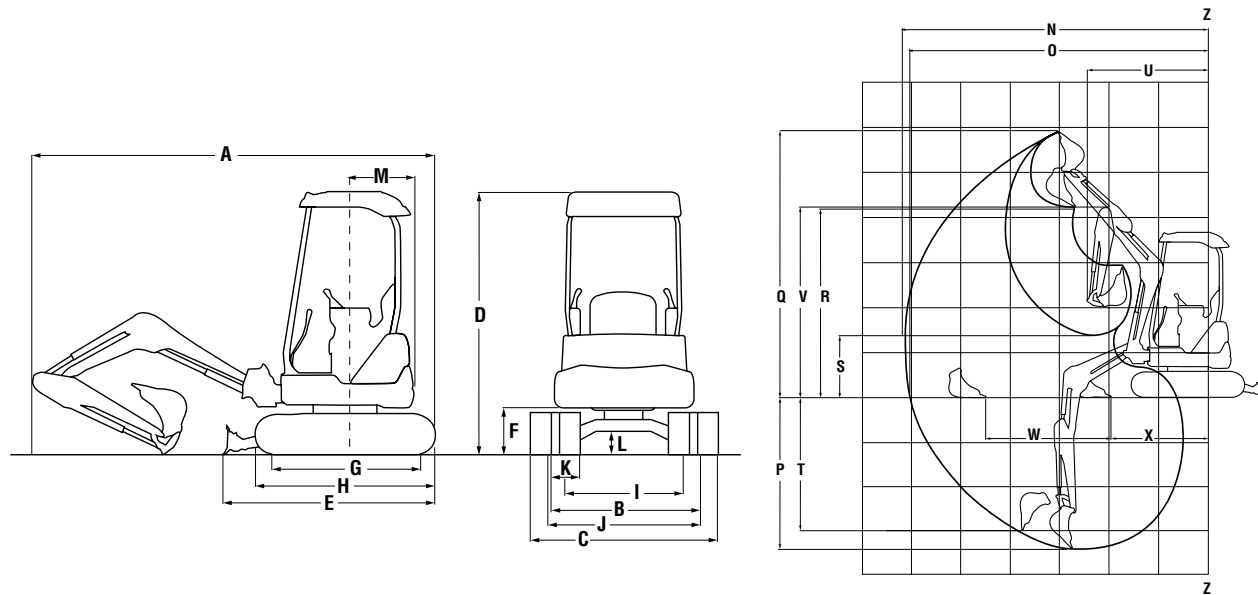
Reliable Construction: Quality construction and components ensure reliability in tough working conditions. Features include a tough boom and arm, thick cast iron swing bracket and a strong cab structure

Easy Daily Maintenance: Wide open service compartments are easy to access for quick daily maintenance checks. The electrical compartment is located under the seat for easy access.

Specifications



DIMENSIONS AND WORKING



DIMENSIONS	E10SR	E18SR	E27B	E30B	E35B	E50B	E55Bx
ARM LENGTH mm	925	980	1120	1180	1320	1560	1660
A. Overall length mm	2880	3420	4130	4470	4710	5230	5420
B. Overall width (collapsed) mm	750	990	1500	1550	1700	1960	1960
C. Overall width (expanded) mm	980	1320	-	-	-	-	-
D. Overall height (cab/canopy)* mm	2190	2410	2500	2570	2570	2600	2550
E. Base machine length mm	1540	1890	2410	2630	2680	2910	2910
F. Ground clearance of rear end* mm	390	445	520	570	570	635	625
G. Center distance of tumblers mm	1010	1210	1590	1700	1700	1970	1990
H. Overall length of crawler mm	1340	1560	1980	2150	2150	2480	2480
I. Track gauge (collapsed) mm	570	750	1250	1250	1400	1560	1560
J. Track gauge (expanded) mm	800	1090	-	-	-	-	-
K. Width of crawler shoe (rubber) mm	180	230	250	300	300	400	400
L. Ground clearance of undercarriage* mm	150	175	250	330	330	345	350
M. Tail Swing radius mm	750	660	750	775	850	980	1180
Tail Swing overhang (not shown) mm	260	0	0	0	0	0	196
WORKING RANGES (with arm as above)							
N. Maximum digging reach mm	3300	3890	4640	4930	5240	5890	6220
O. Maximum digging reach at ground level mm	3210	3790	4510	4780	5110	5750	6070
P. Maximum digging depth* mm	1750	2150	2540	2810	3080	3590	3910
Q. Maximum digging height* mm	3160	3680	4470	4430	4660	5670	5760
R. Maximum dumping clearance* mm	2320	2650	3170	3050	3290	4090	4200
S. Minimum dumping clearance* mm	740	1000	1250	1220	1270	1510	1510
T. Maximum vertical wall digging depth* mm	1460	1660	2320	2160	2390	2810	3030
U. Minimum front swing radius mm	1045/1390	1560	1830	2280	2340	2150	2430
V. Height at minimum front swing radius mm	2240	2750	3310	3400	3620	4290	4380
W. Horizontal digging stroke at ground level mm	1520	1700	1990	2110	2370	2760	3060
X. Horizontal digging min at ground level mm	1060	1240	1510	1670	1670	1780	1790
Z.	Swing centre reference point						

*Excludes height of grouser bar

E10SR Specifications

GENERAL	
Operating weights kg	2 post ROPS rubber track 1140
Bucket capacity range cu m	0.014 – 0.022
Arm length mm	925
ENGINE	
Model	2TNV70-WYB
Type	2 cylinder 4 stroke diesel, Tier 4
Power output @ RPM kW (HP)	6.1 (8.1) @ 2000 (net ISO 14396)
Displacement l	0.57
Fuel tank capacity l	15
Electrical system voltage	12
HYDRAULIC SYSTEM	
Pumps number & type	2 x variable displacement piston pumps, 1 x gear pump
Pump outputs l/min	2 x 11, 1 x 6
Total max output l/min	28
Main relief pressure bar (PSI)	206 (2990)
Hydraulic system capacity l	15 (System)
Hydraulic reservoir capacity l	9.8 (Tank)
BREAKOUT FORCES	
Arm breakout as per ISO kN	6.2
Bucket breakout as per ISO kN	10.8
UNDERCARRIAGE	
Travel speeds km/h	2.0 low range, 3.7 high range
Crawler shoe width mm	180
Ground pressure kPa (PSI)	27.0 (3.9)
Gradeability degrees (%)	30 (58%)
DOZER BLADE	
Width retracted/extended x height mm	750 / 980 x 200
Blade movement up/down mm	190 / 240
SWING	
Swing speed rpm	9.0

BASE AND OPTIONAL EQUIPMENT

BASE EQUIPMENT

- 2TNV70-WYB 2 cylinder 4 stroke diesel 6kW
- Glow plug starting aid
- Variable displacement load sensing hydraulic pumps
- Gear pump for pilot oil
- 2 speed travel
- Travel control by hand levers and foot pedals
- Hydraulically expanding undercarriage
- Hydrostatic drive system with 2 high torque axial piston motors
- Hydraulic track adjuster (grease filled) with recoil spring
- 12 volt electrical system with 20 amp alternator
- Dry type paper element air cleaner
- Low effort two lever pilot controls for boom, arm, bucket and swing. Foot pedals for boom swing and auxiliary hydraulics. Pilot operated hand control lever for blade.
- ISO hydraulic control pattern
- Auxiliary hydraulic service down arm with hydraulic taps, ends plugged
- Selector valve to provide single direction low pressure return, or dual acting circuit
- 2 post folding ROPS/TOPS
- Seat belt
- Adjustable seat with arm rests
- Turret transport swing lock
- Travel alarm
- Horn
- Boom mounted work lamp
- Side mounted instrumentation package

OPTIONAL EQUIPMENT

- Hydraulic dozer blade
- Extended Service Plan (ESP)

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E18SR Specifications



GENERAL	
Operating weights kg	
Canopy rubber track	1725
Bucket capacity range cu m	0.025 - 0.044
Arm length mm (ft inch)	980 (3'3")
ENGINE	
model	L3E-W431KBS
Type	Cylinder 4 stroke diesel
Power output @ RPM kW (HP)	11.3 (15.2) @ 2200 (net ISO 9249)
Displacement l	0.952
Fuel tank capacity l	22
Electrical system voltage	12
HYDRAULIC SYSTEM	
Pumps number & type	2 x variable displacement piston pumps, 1 x gear pump, 1 x geroter pump
Pump outputs l/min	2 x 16.3 + 11.4 + 5.9
Total max output l/min	49.9
Auxiliary hydraulic output l/min	28
Main relief pressure bar (PSI)	216 (3132)
Hydraulic system capacity l	15
Hydraulic reservoir capacity l	9
BREAKOUT FORCES	
Arm breakout as per ISO kN	10.0
Bucket breakout as per ISO kN	15.2
UNDERCARRIAGE	
Travel speeds km/h	Low range 2.0, high range 4.0
Crawler shoe width mm	230
Ground pressure kPa (PSI)	27 (3.9)
Gradeability degrees (%)	30 (58)
DOZER BLADE	
Width retracted/extended x height mm	990 / 1320 x 250
Blade movement up/down mm	280 / 270
SWING	
Swing speed rpm	8.6

BASE AND OPTIONAL EQUIPMENT
BASE EQUIPMENT
<ul style="list-style-type: none"> • 4 stroke diesel, Tier 4 for emissions • Glow plug starting aid • Variable displacement load sensing hydraulic pumps • Fixed displacement gear pump • Geroter for pilot supply • 2 speed travel • Travel control by hand levers and foot pedals • Hydraulically expanding undercarriage • Hydrostatic drive system with 2 high torque axial piston motors • Hydraulic track adjuster (grease filled) with recoil spring • 12 volt electrical system with 20 amp alternator • Dry type paper element air cleaner with service indicator • Low effort two lever pilot controls for boom, arm, bucket and swing. Foot pedals for boom swing and auxiliary hydraulics. Pilot operated hand control lever for blade. • Hydraulic dozer blade • Control pattern change valve - ISO and Backhoe pattern • Auxiliary hydraulic service down arm with hydraulic taps, ends plugged • Auxiliary hydraulics selector valve to provide single direction low pressure return, or dual acting circuit • ROPS/FOPS I canopy, 3 post easy access • Seat belt • Adjustable seat with arm rests • Turret transport swing lock • Travel alarm • Horn • Boom mounted work lamp • Canopy mounted work lamp • Side mounted instrumentation package
OPTIONAL EQUIPMENT
<ul style="list-style-type: none"> • Extended Service Plan (ESP)

E27B Specifications

GENERAL	
Operating weights kg	
Canopy rubber track	2565
Bucket capacity range cu m	0.035 - 0.088
Arm length mm	1120
ENGINE	
Model	3TNV82A-SYB
Type	3 cylinder 4 cycle swirl chamber diesel
Power output @ RPM kW (HP)	15.9 (21.6) @ 2200 (net ISO 9249)
Displacement l	1.33
Fuel tank capacity l	28
Electrical system voltage	12
HYDRAULIC SYSTEM	
Pumps number & type	2 x variable displacement piston pumps, 1 x gear pump, 1 x geroter pump
Pump outputs l/min	2 x 26.4, 1 x 14.3, 1 x 11.2
Total max output l/min	78.3
Auxiliary hydraulic output max l/min	41
Main relief pressure bar (PSI)	230 (3340)
Hydraulic system capacity l	25
Hydraulic reservoir capacity l	20
BREAKOUT FORCES	
Arm breakout as per ISO kN	14.8
Bucket breakout as per ISO kN	22.0
UNDERCARRIAGE	
Travel speeds km/h	2.3 low range, 4.1 high range
Drawbar pull kN as per SAE J1309	28.3
Crawler shoe width mm	250 (9.8")
Ground pressure kPa (PSI)	28 (4.1)
Gradeability degrees (%)	30 (58)
DOZER BLADE	
Width x height mm	1500 x 300
Blade movement up/down mm	445 / 335
SWING	
Swing speed rpm	8.7

BASE AND OPTIONAL EQUIPMENT
BASE EQUIPMENT
<ul style="list-style-type: none"> • 4 stroke diesel, Tier 4 for emissions • Glow plug starting aid • Variable displacement load sensing hydraulic pumps • Fixed displacement gear pump • Geroter for pilot supply • 2 speed travel • Travel control by hand levers and fold away foot pedals • Hydrostatic drive system with 2 high torque axial piston motors • Hydraulic track adjuster (grease filled) with recoil spring • 12 volt electrical system with 40 amp alternator • Dry type paper element air cleaner with service indicator • Low effort two lever pilot controls for boom, arm, bucket and swing. Foot pedals for boom swing and auxiliary hydraulics. Pilot operated hand control lever for blade. • Hydraulic dozer blade • Control pattern change valve - ISO and Backhoe pattern • Auxiliary hydraulic service down arm with hydraulic taps, ends plugged • Auxiliary hydraulics selector valve to provide single direction low pressure return, or dual acting circuit • ROPS/TOPS/FOPS I canopy, 3 post easy access • Seat belt • Adjustable seat with arm rests • Turret transport swing lock • Travel alarm • Horn • Boom mounted work lamp • Canopy mounted work lamp • Side mounted instrumentation package
OPTIONAL EQUIPMENT
<ul style="list-style-type: none"> • Hose burst protection valves • Extended Service Plan (ESP)

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E30B Specifications



GENERAL	
Operating weights kg*	
Cab, air conditioned, rubber track	3415
Cab, air conditioned, rubber track, long arm, auxiliary counterweight	3687
Canopy rubber track	3275
Canopy rubber track long arm, auxiliary counterweight	3547
Bucket capacity range cu m	0.05 – 0.12
Arm length standard mm	1180
ENGINE	
Model	3TNV88-BPYB
Type	3 cylinder 4 cycle swirl chamber diesel
Power output @ RPM kW (HP)	22.5 (30) @ 2400 (net ISO 14396)
Displacement l	1.64
Fuel tank capacity l	38
Electrical system voltage	12
HYDRAULIC SYSTEM	
Pumps number & type	2 x variable displacement piston pumps, 1 x gear pump, 1 x geroter pump
Pump outputs l/min	2 x 38.4, 1 x 20.6, 1 x 12.2
Total max output l/min	109.6
Auxiliary hydraulic output max l/min	60
Main relief pressure bar (PSI)	230 (3340)
Hydraulic system capacity l	48
Hydraulic reservoir capacity l	38
BREAKOUT FORCES	
Arm breakout as per ISO kN	17.2
Bucket breakout as per ISO kN	27.4
UNDERCARRIAGE	
Travel speeds km/h	2.5 low range, 4.5 high range
Drawbar pull kN	38.5
Crawler shoe width mm	300
Ground pressure, std arm kPa (PSI)	31 (4.4)
Gradeability degrees (%)	30 (58%)
DOZER BLADE	
Width x height mm	1550 x 345
Blade movement up/down mm	560 / 410
SWING	
Swing speed rpm	8.9

BASE AND OPTIONAL EQUIPMENT
BASE EQUIPMENT <ul style="list-style-type: none"> • 4 stroke diesel, Tier 4 for emissions • Glow plug starting aid • Variable displacement load sensing hydraulic pumps • Fixed displacement gear pump • Geroter for pilot supply • 2 speed travel • Travel control by hand levers and fold away foot pedals • Hydrostatic drive system with 2 high torque axial piston motors • Hydraulic track adjuster (grease filled) with recoil spring • 12 volt electrical system with 55 amp alternator • Dry type paper element air cleaner with service indicator • Low effort two lever pilot controls for boom, arm, bucket and swing. Foot pedals for boom swing and auxiliary hydraulics. Pilot operated hand control lever for blade. • Hydraulic dozer blade • Control pattern change valve - ISO and Backhoe pattern • Auxiliary hydraulic service down arm with hydraulic taps, ends plugged • Auxiliary hydraulics selector valve to provide single direction low pressure return, or dual acting circuit • ROPS/TOPS/FOPS l canopy, 3 post easy access • Seat belt • Adjustable seat with arm rests • Turret transport swing lock • Travel alarm • Horn • Boom mounted work lamp • Canopy mounted work lamp • Side mounted instrumentation package OPTIONAL EQUIPMENT <ul style="list-style-type: none"> • Long arm (1470mm), dig depth 3100mm • Auxiliary rear counterweight • Hose burst protection valves • Factory air conditioned cabin • Extended Service Plan (ESP)

E35B Specifications

GENERAL	
Operating weights kg	
Cab, air cond, steel track	3915
Cab, air cond, rubber track	3795
Canopy steel track	3775
Canopy rubber track	3655
Bucket capacity range cu m	0.05 – 0.12
Arm length, standard mm	1320
ENGINE	
Model	3TNV88-BPYB
Type	3 cylinder 4 cycle swirl chamber diesel
Power output @ RPM kW (HP)	22.5 (30) @ 2400 (net ISO 14396)
Displacement l	1.64
Fuel tank capacity l	38
Electrical system voltage	12
HYDRAULIC SYSTEM	
Pumps number & type	2 x variable displacement piston pumps, 1 x gear pump, 1 x geroter pump
Pump outputs l/min	2 x 38.4, 1 x 20.6, 1 x 12.2
Total max output l/min	109.6
Auxiliary hydraulic output max l/min	60
Main relief pressure bar (PSI)	230 (3340)
Hydraulic system capacity l	48
Hydraulic reservoir capacity l	38
BREAKOUT FORCES	
Arm breakout as per ISO kN	18.7
Bucket breakout as per ISO kN	27.4
UNDERCARRIAGE	
Travel speeds km/h	2.5 low range, 4.5 high range
Drawbar pull kN	38.2
Crawler shoe width mm	300
Ground pressure, canopy steel track kPa (PSI)	32 (4.6)
Ground pressure, canopy rubber track kPa (PSI)	31 (4.5)
Gradeability degrees (%)	30 (58%)
DOZER BLADE	
Width x height mm	1550 x 345
Blade movement up/down mm	540 / 440
SWING	
Swing speed rpm	8.9

BASE AND OPTIONAL EQUIPMENT
BASE EQUIPMENT <ul style="list-style-type: none"> • 4 stroke diesel, Tier 4 for emissions • Glow plug starting aid • Variable displacement load sensing hydraulic pumps • Fixed displacement gear pump • Geroter for pilot supply • 2 speed travel • Travel control by hand levers and fold away foot pedals • Hydrostatic drive system with 2 high torque axial piston motors • Hydraulic track adjuster (grease filled) with recoil spring • 12 volt electrical system with 55 amp alternator • Dry type paper element air cleaner with service indicator • Low effort two lever pilot controls for boom, arm, bucket and swing. Foot pedals for boom swing and auxiliary hydraulics. Pilot operated hand control lever for blade. • Hydraulic dozer blade • Control pattern change valve - ISO and Backhoe pattern • Auxiliary hydraulic service down arm with hydraulic taps, ends plugged • Auxiliary hydraulics selector valve to provide single direction low pressure return, or dual acting circuit • ROPS/TOPS/FOPS l canopy, 3 post easy access • Seat belt • Adjustable seat with arm rests • Turret transport swing lock • Travel alarm • Horn • Boom mounted work lamp • Canopy mounted work lamp • Side mounted instrumentation package OPTIONAL EQUIPMENT <ul style="list-style-type: none"> • Hose burst protection valves • Factory air conditioned cabin • Steel tracks • Extended Service Plan (ESP)



E50B Specifications

GENERAL	
Operating weights kg	
Cab, air conditioning, steel track	4945
Cab, air conditioning, rubber track	4845
Canopy steel track	4805
Canopy rubber track	4705
Bucket capacity range cu m	0.09 – 0.18
Arm length, standard mm	1560
ENGINE	
Model	4TNV88-BXYB
Type	4 cylinder 4 cycle swirl chamber diesel
Power output @ RPM kW (HP)	30.7 (41.1) @ 2400 (net ISO 14396)
Displacement l	2.19
Fuel tank capacity l	53
Electrical system voltage	12
HYDRAULIC SYSTEM	
Pumps number & type	2 x variable displacement piston pumps, 1 x gear pump, 1 x geroter pump
Pump outputs l/min	2 x 57.1, 1 x 33.8, 1 x 12.2
Total max output l/min	160.2
Auxiliary hydraulic output max l/min	59
Main relief pressure bar (PSI)	230 (3340)
Hydraulic system capacity l	63
Hydraulic reservoir capacity l	42
BREAKOUT FORCES	
Arm breakout as per ISO kN	26.3
Bucket breakout as per ISO kN	35.3
UNDERCARRIAGE	
Travel speeds km/h	2.8 low range. 4.6 high range
Drawbar pull kN	54.2
Crawler shoe width mm	400
Ground Pressure	
Canopy rubber track kPa (PSI)	26 (3.8)
Cab steel track	28 (4.1)
Gradeability degrees (%)	30 (58)
DOZER BLADE	
Width x height mm	1960 x 345
Blade movement up/down mm	495 / 375
SWING	
Swing speed rpm	8.8

BASE AND OPTIONAL EQUIPMENT
BASE EQUIPMENT
<ul style="list-style-type: none">• 4 stroke diesel, Tier 4 for emissions• Glow plug starting aid• Variable displacement load sensing hydraulic pumps• Fixed displacement gear pump• Geroter for pilot supply• 2 speed travel• Travel control by hand levers and fold away foot pedals• Hydrostatic drive system with 2 high torque axial piston motors• Hydraulic track adjuster (grease filled) with recoil spring• 12 volt electrical system with 55 amp alternator• Dry type paper element air cleaner with service indicator• Low effort two lever pilot controls for boom, arm, bucket and swing. Foot pedals for boom swing and auxiliary hydraulics. Pilot operated hand control lever for blade
<ul style="list-style-type: none">• Control pattern change valve - ISO and Backhoe pattern• Auxiliary hydraulic service down arm with hydraulic taps, ends plugged• Auxiliary hydraulics selector valve to provide single direction low pressure return, or dual acting circuit• ROPS/TOPS/FOPS I canopy, 3 post easy access• Seat belt• Adjustable seat with arm rests• Turret transport swing lock• Travel alarm• Horn• Boom mounted work lamp• Canopy mounted work lamp• Side mounted instrumentation package• Hydraulic dozer blade
OPTIONAL EQUIPMENT
Long arm (1870mm), dig depth 3900mm
Auxiliary counterweight
Hose burst protection valves
Factory air conditioned cabin
Steel tracks
Extended Service Plan (ESP)

E55Bx Specifications

GENERAL	
Operating Weight kg	
Cab, air conditioning steel track	5350
Cab, air conditioning rubber track	5205
Cab, air conditioning steel auxiliary counterweight	5600
Cab, air conditioning rubber auxiliary counterweight	5455
Canopy steel track	5220
Canopy rubber track	5075
Bucket Capacity cu m	0.16
Arm length standard mm	1660
ENGINE	
Model	YANMAR 4TNV88 - BXPYBB
Type	water-cooled 4 cycle, 4 cylinder, direct injection, diesel
Power output @ RPM kW (HP)	30.2 (40.4) @ 2400 (net ISO 14396)
Displacement L	2.189
Fuel tank capacity L	75
Electrical system voltage	12
HYDRAULIC SYSTEM	
Pump number & type	2 x variable displacement pumps, 1 x gear pump
Pump outputs L/min	2 x 57.1, 1 x 33.8
Total max output L/min	148
Auxiliary hydraulic output max L/min	91
Main relief pressure bar (PSI)	230 (3336)
Hydraulic system capacity L	61
Hydraulic reservoir capacity L	34
BREAKOUT FORCES	
Arm breakout as per ISO kN	24.9
Bucket breakout as per ISO kN	35.3
UNDERCARRAIGE	
Travel speeds km/h	2.7 low range and 4.6 high range
Drawbar pull kN	55.2
Crawler shoe width mm	400
Ground pressure	
Cab/canopy kPa	29.5/28.8
Gradeability degrees	30
DOZER BLADE	
Width x height mm	1960 x 345
Blade movement up/down mm	495 / 375
SWING	
Swing speed rpm	8.9

BASE AND OPTIONAL EQUIPMENT
<ul style="list-style-type: none">• 4 stroke diesel, Tier 4 emissions• Glow plug starting aid• Variable displacement load sensing hydraulic pumps• Fixed displacement gear pump• Geroter for pilot supply• 2 speed travel• Travel control by hand levers and fold away foot pedals• Hydrostatic drive system with 2 high torque axial piston motors• Hydraulic track adjuster (grease filled) with recoil spring• 12 volt electrical system with 55 amp alternator• Dry type paper element air cleaner with service indicator• Low effort two lever pilot controls for boom arm, bucket and swing. Foot pedals for boom swing and auxiliary hydraulics• Pilot operated hand control lever for blade• Control pattern change valve – ISO and Backhoe pattern• Auxiliary hydraulic circuit provided to arm• Auxiliary hydraulics selector valve to provide single direction low pressure return, or dual acting circuit• ROPS/TOPS/FOPS I canopy 4 post easy access• Seat belt• Adjustable seat with arm rests• Turret transport swing lock• Travel alarm• Horn• Boom mounted work lamp• Canopy mounted work lamp• Side mounted instrumentation package• Hydraulic dozer blade
OPTIONAL EQUIPMENT
<ul style="list-style-type: none">• Auxiliary counterweight• Hose burst protection valves• Factory air conditioned cabin• Steel tracks• Extended Service Plan (ESP)

Compact Excavator

E10SR

Engine power
6kW

Operating weight range
1140kg

Bucket breakout force
10.8kN

E18SR

Engine power
11.3kW

Operating weight range
1725kg

Bucket breakout force
15.2kN

E27B

Engine power
15.9kW

Operating weight range
2565kg

Bucket breakout force
22.0kN

E30B

Engine power
21.2kW

Operating weight range
3275 - 3687kg

Bucket breakout force
28.0kN

E35B

Engine power
21.2kW

Operating weight range
3655 - 3915kg

Bucket breakout force
28.0kN

E50B

Engine power
29.3kW

Operating weight range
4705 - 4945kg

Bucket breakout force
36.0kN

E55Bx

Engine power
30.2kW

Operating weight range
5075 - 5600kg

Bucket breakout force
35.3kN

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