



RIPPA

R360



Technical specifications

* Engine

• Model

Yanmar 4TNV94L

• Number of cylinders / Piston displacement

4 / 3.319 cc

• Nominal flywheel power

37,6 kW (50,4 Hp) at 2.200 rpm (SAE J 1349, net)

37,6 kW (51,1 Ps) at 2.200 rpm (DIN 6271)

• Max torque

19,3 ~21 kgf.m / 1.400 rpm

• Bore & stroke

98 mm x 110 mm

• Alternator

12 V / 60 Ah

* Operator's cab

• Noise Levels (dynamic value)

LWA External noise

Guaranteed Sound Power Level 97 dB (A) (2000/14/EC)

LpA Operator noise 77 dB (A) (ISO 6396)

* Hydraulic system

• Main pumps

1 variable displacement axial piston pumps

Max flow: 120l/min

• Maximum system pressure

Boom/Arm/Bucket: 230 kgf/cm² (225bar)

Travel: 210 kgf/cm² (205bar)

Swing: 230 kgf/cm² (225bar)

* Swing mechanism

Swing parking brake is spring-set, hydraulic-released disc type.

• **Swing speed** 9,58 rpm

• **Rear swing radius** 1.102 mm

* Drive

• **Travel speed (high/low)** 3,9 / 2,1 km/h

• **Maximum traction force** 5.300 kgf

• **Maximum grade** 30° / 58 %

* Weight

Boom 3.000 mm • Arm 2.000 mm • Bucket SAE 0,175 m³ • Shoe 400 mm

Shoe	Operating weight	Ground pressure
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Steel	6.025 kg	0,34 kgf/cm ²
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* Undercarriage

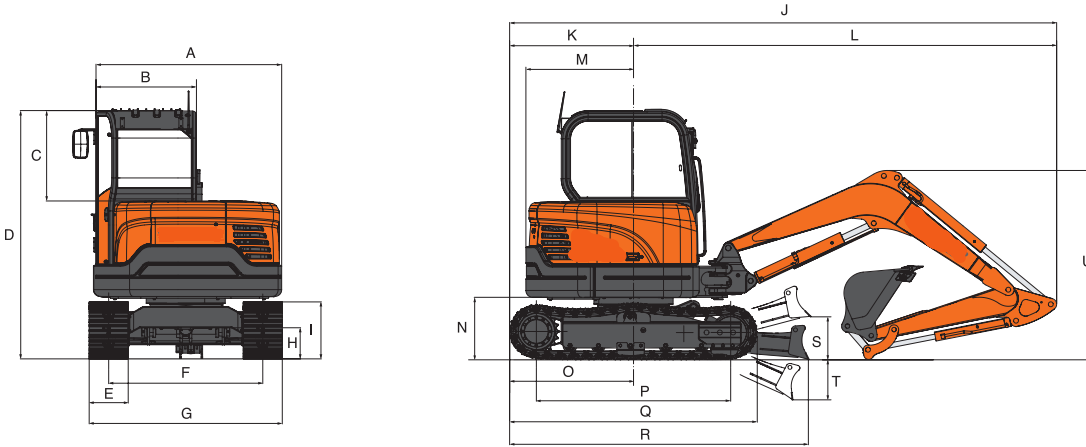
Hydraulic track adjusters with shock-absorbing recoil springs.

Lower rollers (per side)	5
Track shoes	Rubber/steel
Shoe width	400 mm

* Refill capacities

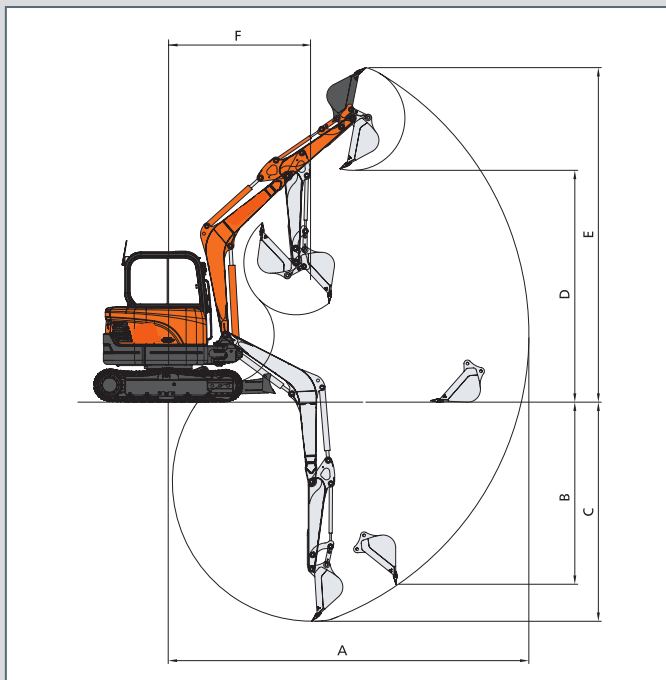
Fuel tank	78 l
Cooling system (radiator capacity)	10 l
Engine oil	11,6 l
Hydraulic system	100 l
Hydraulic tank	65 l
Final drive	1,4 l

Dimensions and working ranges



* Dimensions

Boom	2.900 mm
Arm	1.480 mm
A. Overall width of upper structure	1.930 mm
B. Cabin width	1.030 mm
D. Overall height	2.550 mm
E. Track shoe width	400 mm
F. Track gauge	1.580 mm
G. Overall track width	1.980 mm
H. Ground clearance	320 mm
I. Track height	580 mm
J. Overall length	5.565 mm
M. Tail swing radius	1.102 mm
N. Clearance under counterweight	820 mm
P. Tumbler distance	1.990 mm
Q. Track length	2.550 mm
R. Track to dozer length	3.080 mm
S. Height of dozer up	440 mm
T. Height of dozer down	410 mm
U. Boom transport height	1.865 mm



* Digging force (ISO)

Bucket (PCSA)	0,175 m³	0,07 m³
Digging force	4.070 kgf 39,9 kN	4.070 kgf 39,9 kN
Arm	1.480 mm	1.900 mm
Digging force	2.650 kgf 26 kN	2.300 kgf 22,6 kN

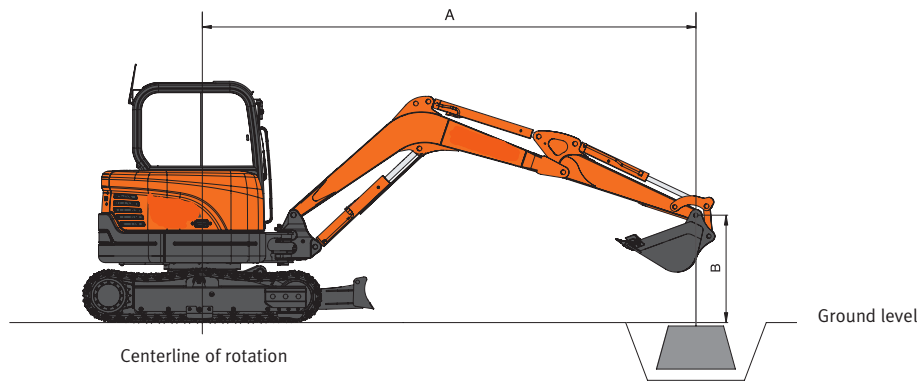
At power boost (ISO)



* Working range

Boom	2.900 mm	
Arm	1.480 mm	1.900 mm
Bucket type (SAE)	0,175 m³	0,07 m³
A Max. digging reach	6.130 mm	6.500 mm
B Max. vertical wall depth	3.095 mm	3.165 mm
C Max. digging depth	3.725 mm	4.145 mm
D Max. loading height	3.940 mm	4.124 mm
E Max. digging height	5.686 mm	5.853 mm
F Min. swing radius	2.415 mm	2.500 mm

Lifting capacity



STANDARD — DOZER UP— Boom: 2.900 mm - Arm: 1.480 mm - Bucket: SAE 0,175 m³ (CECE 0,15 m³) - Shoe: 400 mm

Units: 1.000 kg

A (m)	1		2		3		4		5		Max. Reach		A(m)
4							*1,26	0,92			*1,22	0,85	4,17
3							*1,29	0,92			0,97	0,65	4,83
2					2,11	1,41	1,32	0,89	0,91	0,60	0,86	0,56	5,16
1					2,00	1,30	1,28	0,85	0,90	0,59	0,83	0,54	5,24
o (ground)					1,95	1,26	1,25	0,82	0,89	0,58	0,86	0,56	5,08
-1	*2,43	*2,43	*2,94	2,48	1,95	1,26	1,24	0,81			0,99	0,65	4,65
-2			*3,63	2,54	1,98	1,29					1,36	0,90	3,83

STANDARD — DOZER DOWN — Boom: 2.900 mm - Arm: 1.480 mm - Bucket: SAE 0,175 m³ (CECE 0,15 m³) - Shoe: 400 mm

Units: 1.000 kg

A (m)	1		2		3		4		5		Max. Reach		A(m)
3							*1,29	0,92			*1,12	0,65	4,83
2					*2,13	1,41	*1,54	0,89	*1,33	0,60	*1,12	0,56	5,16
1					*2,87	1,30	*1,84	0,85	*1,42	0,59	*1,20	0,54	5,24
o (ground)					*3,09	1,26	*2,00	0,82	*1,45	0,58	*1,39	0,56	5,08
-1	*2,43	*2,43	*2,94	2,48	*2,89	1,26	*1,92	0,81			*1,45	0,65	4,65
-2			*3,63	2,54	*2,25	1,29					*1,45	0,90	3,83

OPTIONAL — DOZER UP— Boom: 2.900 mm - Arm: 1.900 mm - Bucket: SAE 0,175 m³ (CECE 0,15 m³) - Shoe: 400 mm

Units: 1.000 kg

A (m)	1		2		3		4		5		Max. Reach		A(m)
5											*1,14	1,11	3,59
4							*0,98	0,94			*0,95	0,70	4,64
3							*1,07	0,93	0,93	0,61	0,85	0,56	5,23
2					*1,72	1,44	1,33	0,89	0,91	0,60	0,76	0,49	5,53
1					*2,01	1,32	1,28	0,84	0,89	0,58	0,73	0,47	5,60
o (ground)			*1,47	*1,47	1,93	1,25	1,23	0,80	0,87	0,56	0,76	0,48	5,46
-1	*2,07	*2,07	*2,65	2,41	1,91	1,23	1,22	0,79	0,87	0,56	0,85	0,55	5,07
-2	*3,21	*3,21	*4,09	2,46	1,93	1,25	1,23	0,80			1,09	0,71	4,35
-3			*2,38	*2,38							*1,31	*1,31	2,99

OPTIONAL — DOZER DOWN — Boom: 2.900 mm - Arm: 1.900 mm - Bucket: SAE 0,175 m³ (CECE 0,15 m³) - Shoe: 400 mm

Units: 1.000 kg

A (m)	1		2		3		4		5		Max. Reach		A(m)
5											*1,14	1,11	3,59
4							*0,98	0,94			*0,95	0,70	4,64
3							*1,07	0,93	*1,10	0,61	*0,89	0,56	5,23
2					*1,72	1,44	*1,35	0,89	*1,19	0,60	*0,90	0,49	5,53
1					*2,57	1,32	*1,69	0,84	*1,33	0,58	*0,97	0,47	5,60
o (ground)			*1,47	*1,47	*3,02	1,25	*1,93	0,80	*1,43	0,56	*1,12	0,48	5,46
-1	*2,07	*2,07	*2,65	2,41	*3,00	1,23	*1,96	0,79	*1,37	0,56	*1,33	0,55	5,07
-2	*3,21	*3,21	*4,36	2,46	*2,58	1,25	*1,67	0,80			*1,38	0,71	4,35
-3			*2,38	*2,38							*1,31	*1,31	2,99

1. The nominal forces are based on the SAE J1097 standard.

2. The load point is the hook at the rear of the bucket.

3. * = The nominal loads are based on hydraulic capacity.

4. The nominal loads do not exceed 87% of the hydraulic capacity or 75% of the capacity of the swing.

: Over front
 : Over side or 360°