



Engine

Make/Type Model	Yanmar 3TNV88 water cooled 3 cylinder diesel engine
max. engine output	27,1 kW (36,8 HP)
Performance to ISO	21 kW (28,6 HP)
Engine displacement	1642 cm ³
Travel speed	2400 min ⁻¹
Battery	12V/71Ah
Fuel tank capacity	44 l



Hydraulic system

Pump	Double variable capacity pump + double gear pump
Pump capacity	2 x 40 + 26,3 + 11,3 l/min
Operating pressure for working and driving hydraulics	240 bar
Operating pressure for slewing gear	210 bar
Hydraulic oil cooler	standard
Hydraulic tank capacity	38,5 l



Undercarriage and slewing system

Travel speed - dual	2,8 km/h and 4,6 km/h
Gradeability	30°/58 %
Crawler width	300 mm
N° track rollers per side	4
Ground clearance	280 mm
Ground pressure	0,34 kg/cm ²
Superstructure slewing speed	8,8 min ⁻¹



Dozer blade

Width	1740 mm
Height	345 mm
max. lift above ground	390 mm
max. lift below ground	450 mm



Lifting power index

A \ B	max.		4,5 m		3,5 m		2,5 m	
	along	across	along	across	along	across	along	across
3,0 m	-	-	-	-	660*	660*	-	-
2,0 m	-	-	790*	425	785*	640	-	-
1,0 m	825*	395	840*	410	1050*	600	1735*	975
0,0 m	805*	385	855*	400	1210*	570	2025*	925
-1,0 m	-	-	-	-	1160*	565	1875*	915
-2,0 m	-	-	-	-	-	-	1440*	945

A = projection from turnstile centre, B = load fixing height from ground level
 *The lifting power is hydraulically limited.
 The data (kg) refer to the machine without digging equipment and are in compliance with ISO 10567.
 Overall length with dozer blade supported.
 Neither 75% of the static tilting load nor 87% of the hydraulic lifting power are exceeded.



Noise level

Noise level (L _{WA}) (to 2000/14/EG)	95 dB(A)
Noise level (L _{PA}) (to ISO 6394)	77 dB(A)



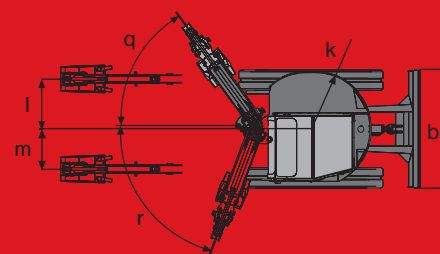
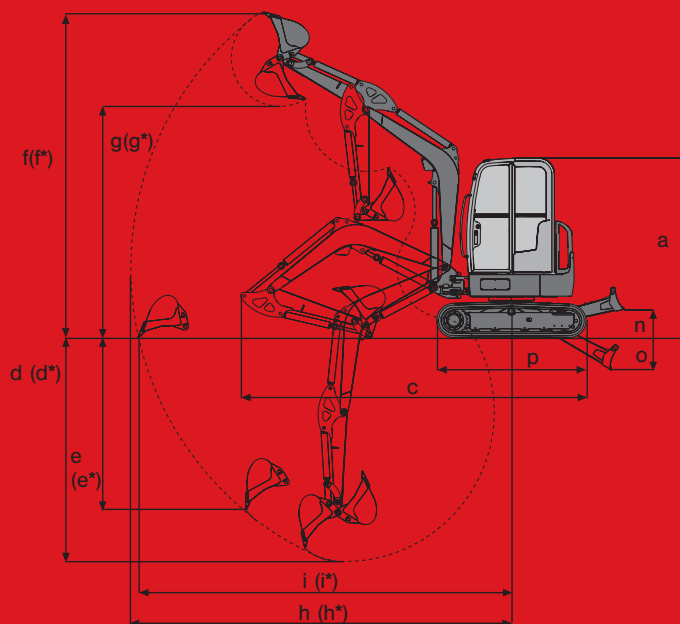
General specifications

Transport weight with cab/canopy 3630/3550 kg

Dimensions

a	Height	2500 mm
b	Width	1740 mm
c	Transport length (boom down)	4800 mm
d	max. digging depth	3110 mm
d*	max. digging depth (long dipperstick)	3360 mm
e	max. vertical digging depth	2430 mm
e*	max. vertical digging depth (long dipperstick)	2670 mm
f	max. digging height	4530 mm
f*	max. digging height (long dipperstick)	4660 mm
g	max. dumping height	3220 mm
g*	max. dumping height (long dipperstick)	3350 mm
h	max. digging radius	5300 mm
h*	max. digging radius (long dipperstick)	5540 mm
i	max. reach on the ground	5300 mm
i*	max. reach on the ground (long dipperstick)	5430 mm
j	max. lateral tail projection over crawlers	0 mm
k	Tail slewing radius	870 mm
l	max. boom offset to centre of bucket right side	740 mm
m	max. boom offset to centre of bucket left side	590 mm
n	max. lift above ground	390 mm
o	max. lift below ground	450 mm
p	Track length	2075 mm
q	max. swing angle to the right	55 °
r	max. swing angle to the left	70 °

max. arm crowd force	19,4 kN
max. arm crowd force (long dipper stick)	21,9 kN
max. bucket digging force	25,7 kN



Basic Machine

General

- Rubber track 300 mm
- Dozer blade
- Working light mounted to the boom
- Tool kit incl. grease gun and operator manual

Engine

- Water-cooled YANMAR diesel engine

Cabin

- Canopy: Adjustable and resilient comfort seat with imitation leather cover and safety belt, canopy is removable and complies with FOPS-, TOPS- and ROPS-regulations

Hydraulic

- Summation regulation
- Hydraulic oil cooler
- Hydraulic pilot control via joystick
- Valve control according to ISO, DIN, SAE, PCSA and EURO
- Auxiliary hydraulic connection for two directions of motion, mounted on dipperstick (1400 mm)
- Auto2-Speed transmission, dual travel speed operated automatically, 2nd gear manually locked
- Increased, depressurized return line (for several attachments)

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Options

38Z_E

Cabin

- Safety glass cabin** (Tilttable cabin, cabin heating, side sliding window, top swings back, windscreen wiper and washing system, covered cab interior, the cabin is removable and complies with FOPS-, TOPS- and ROPS-regulations)
- Canopy with back window
- Air conditioning system
- Radio

Hydraulic

- 3rd control circuit
- Biological oil Panolin
- BP-Biohyd SE46
- Flat faced couplers
- Proportional control (for auxiliary hydraulic)
- Overload valve for auxiliary hydraulic
- Overload system Germany (load holding valve boom)
- Overload system France (load holding valve boom and dipperstick)
- Additional piping for grabble

Painting

- Special paint 1 RAL (Colour for red parts only)
- Special paint 1 no RAL (Colour for red parts only)
- Special paint cabin RAL (RAL colours only)

Miscellaneous

- Cab lighting front
- Cab lighting front and rear
- Anti theft device
- Flashing beacon
- Counter weight
- Long dipperstick (+250mm)
- Security 24 (1500h) (Warranty extension to 24 months or 1500 operation hours)
- Security 24 (2000h) (Warranty extension to 24 months or 2000 operation hours)

Packages

- Mirror package (Mirror right and left)

Subject to modifications without prior notice.
We reserve the right to change the specifications without prior notice.
Along the explicit contractual agreement is decisive.