



Engine

Make/Type Model	Yanmar 4TNV98 water cooled 4 cylinder diesel engine
max. engine output	51,1 kW (69,5 HP)
Performance to ISO	42,5 kW (57,8 HP)
Engine displacement	3318 cm ³
Travel speed	2100 min ⁻¹
Battery	12V/88Ah
Fuel tank capacity	83 l



Hydraulic system

Pump	Double variable capacity pump + double gear pump
Pump capacity	2 x 64,1+ 48+10,3 l/min
Operating pressure for working and driving hydraulics	245 bar
Operating pressure for slewing gear	215 bar
Hydraulic oil cooler	standard
Hydraulic tank capacity	80 l



Undercarriage and slewing system

Travel speed - dual	2,8 km/h and 4,7 km/h
Gradeability	30°/58%
Crawler width	400 mm
N° track rollers per side	5
Ground clearance	290 mm
Ground pressure	0,33 kg/cm ²
Superstructure slewing speed	9 min ⁻¹



Dozer Blade

Width	1990 mm
Height	425 mm
max. lift above ground	390 mm
max. lift below ground	400 mm



Lifting power index

A \ B	max.		5,0 m		4,0 m		3,0 m		2,0 m	
	along	across	along	across	along	across	along	across	along	across
4,0 m	1310*	1020	-	-	1245*	1155	-	-	-	-
3,0 m	1300*	805	-	-	1265*	1145	-	-	-	-
2,0 m	1320*	710	1330*	775	1490*	1100	1885*	1700	-	-
1,0 m	1360*	675	1435*	750	1775*	1035	2615*	1550	-	-
0,0 m	1410*	690	1495*	730	1970*	990	2970*	1470	-	-
-1,0 m	1465*	760	-	-	1965*	970	2910*	1450	5010*	2795
-2,0 m	1495*	965	-	-	-	-	2450*	1475	4005*	2855

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

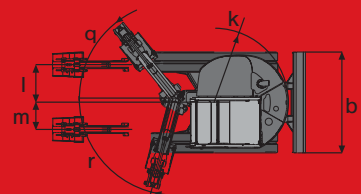
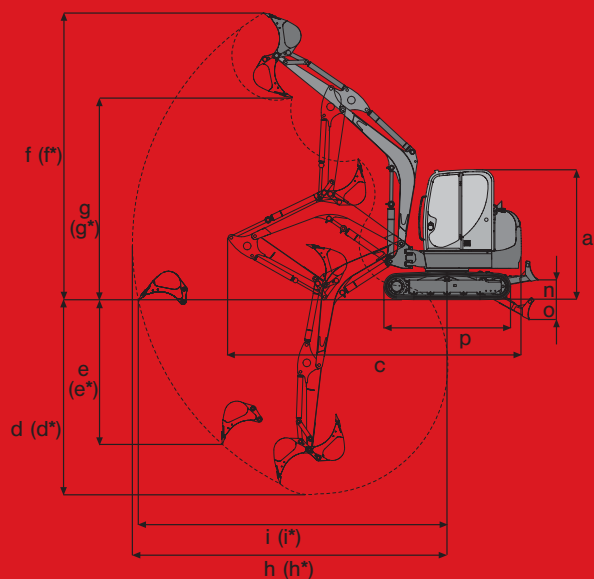
Noise level (L _{WA}) (to 2000/14/EG)	98 dB(A)
Noise level (L _{PA}) (to ISO 6394)	78 dB(A)



General specifications

	Standard	Vario
Transport weight	5500 kg	5965 kg
Dimensions		
a — Height	2570 mm	2684 mm
b — Width	1990 mm	1990 mm
c — Transport length (boom down)	5800 mm	5800 mm
d — max. digging depth	3845 mm	3736 mm
d* — max. digging depth (long dipperstick)	4140 mm	4036 mm
e — max. vertical digging depth (long dipperstick)	2855 mm	2735 mm
e* — max. vertical digging depth (long dipperstick)	3135 mm	3014 mm
f — max. digging height	5660 mm	5778 mm
f* — max. digging height (long dipperstick)	5850 mm	5967 mm
g — max. dumping height	3995 mm	4109 mm
g* — max. dumping height (long dipperstick)	4185 mm	4298 mm
h — max. digging radius	6210 mm	5960/6460** mm
h* — max. digging radius (long dipperstick)	6490 mm	6240/6740** mm
i — max. reach on the ground	6090 mm	5840/6340** mm
i* — max. reach on the ground (long dipperstick)	6380 mm	6130/6630** mm
max. lateral tail projection over crawlers	470 mm	220/720** mm
k — Tail slewing radius	1465 mm	1465 mm
l — max. boom offset to centre of bucket right side	745 mm	995** mm
m — max. boom offset to centre of bucket left side	535 mm	785** mm
n — max. lift above ground	390 mm	390 mm
o — max. lift below ground	400 mm	400 mm
p — Track length	2500 mm	2500 mm
q — max. swing angle to the right	51 °	51 °
r — max. swing angle to the left	75 °	75 °
max. arm crowd force	28,1 kN	28,1 kN
max. arm crowd force (long dipperstick)	25,1 kN	25,1 kN
max. bucket digging force	39,7 kN	39,7 kN

min/max**



Basic Machine

General

- Rubber track 400 mm
- Dozer blade
- Working light mounted to the boom
- Tool kit incl. grease gun and operator manual

Engine

- Water-cooled YANMAR diesel engine

Cabin

Safety glass cabin: Tilttable cabin, cabin heating, side sliding window, top swings back, windscreen wiper and washing system, covered cab interior, cabin complies with FOPS and TOPS regulations.

- Cabling for radio incl. aerial and speakers
- Cabling for cab lighting and flashing beacon

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 (1685 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

BOOB

Cabin

- Air conditioning plant
- Air cushioned seat
- Radio

Hydraulic

- 3rd control circuit (with proportional control)
- 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
- Electrical refuelling pump
- Flashing beacon
- Counter weight (+300 kg)
- Idle speed automatic operation
- Long dipperstick (+300 mm)
- Security 24 (1500 h) (Warranty extension to 24 months or 1500 operation hours)
- Security 24 (2000 h) (Warranty extension to 24 months or 2000 operation hours)
- Steel track 400 mm
- VARIO (Cannot be combined with triple boom)
- Triple boom
- Central lubrication system

Packages

- Comfort package (Air conditioning plant, idle speed automatic oper. radio, mirror package, cab lighting front and rear)
- Mirror package (Exterior mirror right and left)



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