



Engine

Make/Type	Yanmar 3TNV76
Model	water cooled
	3 cyl. diesel engine
max. engine output	17,9 kW (24,3 HP)
Performance to ISO	13,2 kW (17,9 HP)
Engine displacement	1116 cm ³
Travel speed	2200 min ⁻¹
Battery	12V/45 Ah
Fuel tank capacity	24 l



Hydraulic system

Pump	Double variable capacity pump + 2 gear pumps
Pump capacity	23,9 + 23,9 + 19,1 + 6,5 l/min
Operating pressure for working and driving hydraulics	200 bar
Operating pressure for slewing gear	125 bar
Hydraulic oil cooler	standard
Hydraulic tank capacity	21 l



Undercarriage and slewing system

Travel speed - dual	2,8 km/h and 5,6 km/h
Gradeability	30°/58%
Crawler width	230 mm
N° track rollers per side	3
Ground clearance	200 mm
Ground pressure	0,27 kg/cm ²
Superstructure slewing speed	10 min ⁻¹



Dozer Blade

Width	990 mm
Height	260 mm
max. lift above ground	260 mm
max. lift below ground	230 mm



Lifting power index

A \ B	max.		3,0 m		2,5 m		2,0 m		1,5 m	
	along	across	along	across	along	across	along	across	along	across
2,5 m	395*	395*	-	-	385*	385*	-	-	-	-
2,0 m	395*	340	-	-	385*	385*	-	-	-	-
1,0 m	400*	295	430*	340	505*	425	655*	605	1025*	945
0,0 m	440*	300	470*	325	605*	400	835*	580	1285*	890
-1,0 m	455*	395	-	-	500*	385	705*	580	1010*	915
-1,5 m	445*	445*	-	-	-	-	455*	455*	670*	670*

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)	93 dB(A)
Noise level (L _{PA}) (to ISO 6394)	77 dB(A)



General specifications

Transport weight with cab/canopy 1715/1625 kg

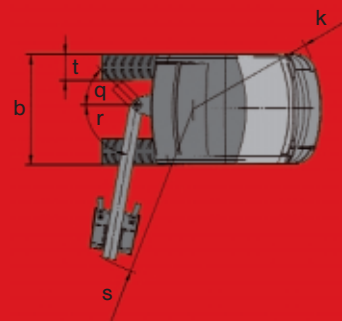
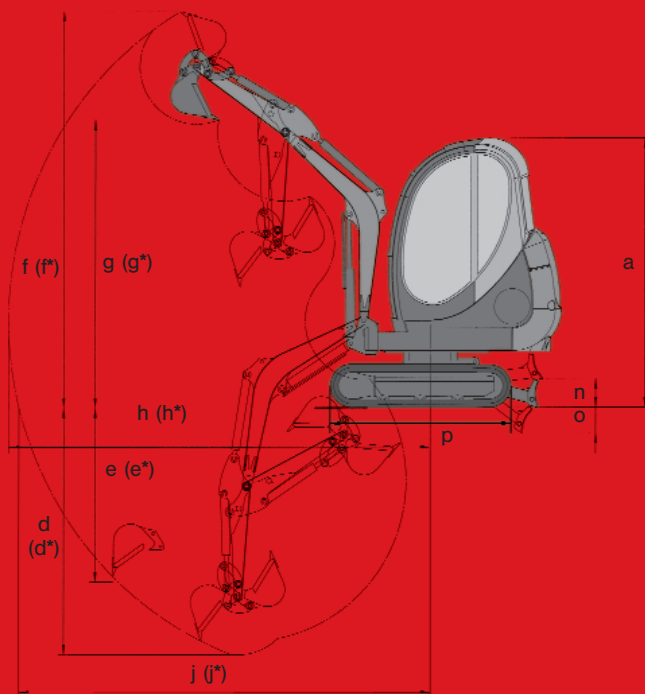
Transport weight with cab/canopy and telescopic undercarriage 1795/1705 kg

Dimensions

a	Height	2380 mm
b	Width	990 mm
	Transport length	3810 mm
d	max. digging depth	2185 mm
d*	max. digging depth (long dipperstick)	2380 mm
e	max. vertical digging depth	1490 mm
e*	max. vertical digging depth (long dipperstick)	1670 mm
f	max. digging height	3500 mm
f*	max. digging height (long dipperstick)	3620 mm
g	max. dumping height	2545 mm
g*	max. dumping height (long dipperstick)	2665 mm
h	max. digging radius	3867 mm
h*	max. digging radius (long dipperstick)	3957 mm
j	max. reach on the ground	3675 mm
j*	max. reach on the ground (long dipperstick)	3867 mm
k	Tail slewing radius	1160 mm
	max. boom offset to centre of bucket right side	508 mm
	max. boom offset to centre of bucket left side	331 mm
n	max. lift above ground	260 mm
o	max. lift below ground	230 mm
p	Track length standard undercarriage	1445 mm
p*	Track length telescopic undercarriage	1605 mm
q	max. swing angle to the right	45 °
r	max. swing angle to the left	80 °
s	min. boom radius	1555 mm
t	Crawler width	230 mm

Hydraulic telescopic undercarriage 990 to 1300 mm

max. arm crowd force 10,6 kN
 max. bucket digging force 17,7 kN



Basic Machine

General

- Rubber track 230 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 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 (980 mm)
- Dual travel speed
- Hydraulically dampened drive pedals and levers

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Options

1503

Cabin

- Standard cab (Safety cabin, cabin heating, split front window, top swings back, bottom lifts out, windscreen wiper and washing system, 1 cabin door, covered cab interior, the cabin complies with FOPS-, TOPS- and ROPS-regulations)
- Cab with 2 doors
- Canopy with back window
- Extension of the backrest
- Radio (Radio set incl. aerial and speakers)
- Rain roof

Hydraulic

- Biological oil Panolin
- BP-Biohyd SE46
- Flat faced couplers
- Proportional control (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
- Long dipperstick (+ 200 mm)
- Dozer blade long
- 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 230 mm
- Telescopic undercarriage (Hydraulic telescopic undercarriage from 990 mm to 1300 mm, with dozer blade extensions)

