

Technical Data Sheet



Engine

Make/Type Model	John-Deere 4045TF270 water cooled 4 cylinder turbo diesel engine
max. engine output	74 kW (100,6 HP)
Performance to ISO	74 kW (100,6 HP)
Engine displacement	4541 cm ³
Travel speed	2200 min ⁻¹
Battery	12V/120 Ah
Fuel tank capacity	130 l



Hydraulic system

Pump	Double variable capacity pump + gear pump
Pump capacity	118 + 118 + 21,5 l/min
Operating pressure for working and driving hydraulics	300/320 bar
Operating pressure for slewing gear	230 bar
Hydraulic oil cooler	standard
Hydraulic tank capacity	127 l



Undercarriage and slewing system

Travel speed - dual	3,4 km/h and 5,8 km/h
Gradeability	30°/58%
Crawler width	500 mm
N° track rollers per side	6
Ground clearance	420 mm
Ground pressure	Standard: 0,40 kg/cm ² Vario: 0,42 kg/cm ²
Superstructure slewing speed	11 min ⁻¹



Dozer Blade

Width	2400 mm
Height	550 mm
max. lift above ground	620 mm
max. lift below ground	470 mm



Lifting power index

A	max.		6,0 m		5,0 m		4,0 m		3,0 m	
	along	across	along	across	along	across	along	across	along	across
6,0 m	3110*	2220	-	-	2990*	1685	3100*	2480	-	-
4,5 m	2900*	1330	-	-	2960*	1685	3000*	2445	-	-
3,0 m	2935*	1050	2990*	1185	3280*	1595	3810*	2260	5300*	3670
1,5 m	3040*	965	3280*	1110	3945*	1445	5170*	2040	8170*	3015
0,0 m	3170*	960	3430*	1040	4345*	1150	5570*	1850	8920*	2850
-1,5 m	3300*	1130	-	-	4010*	1130	5430	1820	7645*	2925
-3,0 m	3215*	1835	-	-	-	-	3430	1945	-	-

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)	101 dB(A)
Noise level (L _{PA}) (to ISO 6394)	73 dB(A)

12002

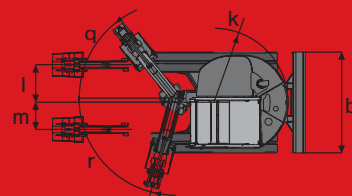
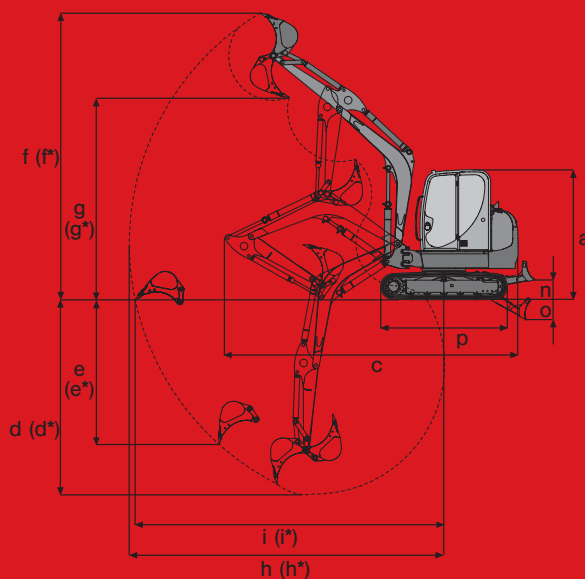
STANDARD VARIO



General specifications

	Standard	Vario
Transport weight	11520 kg	12190 kg
Dimensions		
a — Height	2790 mm	2933 mm
b — Width	2400 mm	2400 mm
c — Transport length (boom down)	7081 mm	7000 mm
d — max. digging depth	4480 mm	4337 mm
d* — max. digging depth (long dipperstick)	4780 mm	4737 mm
e — max. vertical digging depth	2810 mm	2667 mm
e* — max. vertical digging depth (long dipperstick)	3248 mm	
f — max. digging height	7850 mm	7993 mm
f* — max. digging height (long dipperstick)	7946 mm	
g — max. dumping height	5480 mm	5623 mm
g* — max. dumping height (long dipperstick)	5885 mm	
h — max. digging radius	7760 mm	7510/8010** mm
h* — max. digging radius (long dipperstick)	7976 mm	
i — max. reach on the ground	7436 mm	7280/7780** mm
i* — max. reach on the ground (long dipperstick)	7802 mm	
j — max. lateral tail projection over crawlers	445 mm	195/695** mm
k — Tail slewing radius	1645 mm	1645 mm
l — max. boom offset to centre of bucket right side	972 mm	1040** mm
m — max. boom offset to centre of bucket left side	632 mm	880** mm
n — max. lift above ground	620 mm	620 mm
o — max. lift below ground	470 mm	470 mm
p — Track length	3320 mm	3320 mm
q — max. swing angle to the right	80 °	80 °
r — max. swing angle to the left	50 °	50 °
max. arm crowd force	51,3 kN	51,3 kN
arm crowd force (long dipperstick)	42,7 kN	42,7 kN
max. bucket digging force	72,4 kN	72,4 kN

min/max**



neuson®

Basic Machine

General

- Steel track 500 mm
- Dozer blade
- Working light mounted to the boom and chassis
- Tool kit incl. grease gun and operator manual

Engine

- Water-cooled JOHN DEERE turbo diesel engine

Cabin

- Safety glass cabin: Cabin heating, side sliding window, top swings back, windscreen wiper and washing system, covered cab interior, cabin complies with FOPS regulations
- Radio set with aerial and speakers
- Exterior mirror left

Hydraulic

- Negative control system, 2 stage flow limiting via toggle switch
- Hydraulic oil cooler
- Hydraulic pilot control via joystick
- Valve control according to ISO, DIN, SAE, PCSA and EURO
- Park brake for drive- and turn motor
- Auxiliary hydraulic connection for two directions of motion, mounted on dipperstick (2000 mm)
- Overload valve for auxiliary hydraulic
- Dual travel speed
- Pilot controlled load holding valve boom and dipper stick cylinder
- Summation function boom and dipper stick cylinder

Neuson Baumaschinen GmbH
Haidfeldstraße 37
A-4060 Linz-Leonding
Tel. +43 (0)732 90 590-0
Fax +43 (0)732 90 590-200
e-Mail verkauf@neuson.com
www.neusonkramer.com

Kramer-Werke GmbH
Nußdorfer Straße 50
D-88662 Überlingen
Tel. +49 (0)7551 802-0
Fax +49 (0)7551 802-260
e-Mail info@kramer.de
www.neusonkramer.com

Neuson Ltd.
Crown Business Park
Dukestown, Tredegar
Gwent. NP22 4EF
United Kingdom
Tel. +44 (0)1495 72 30 83
Fax +44 (0)1495 71 39 41
e-Mail uksales@neuson.com
www.neusonkramer.com



neuson®

Options

12002
STANDARD VARIO

Cabin

- Air conditioning plant
- Air cushioned seat
- Rain cover

Hydraulic

- 3rd control circuit (with proportional control)
- 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 grapple

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
- Rubber track 500 mm
- Counter weight
- Long dipperstick (+300mm)
- Security 24 (2000 h) (Warranty extension to 24 months or 2000 operation hours)
- Security 24 (2500 h) (Warranty extension to 24 months or 2500 operation hours)
- Steel track 600 mm
- VARIO
- Central lubrication system

Packages

- Mirror package (Exterior mirror right and left)

Subject to modifications without prior notice.
We reserve the right to change the specifications without prior notice.
Alone the explicit contractual agreement is decisive.
01/06 ArtNr.1000126427