



DEUTZ
FORMULA DX

DEUTZ DX 90



Waitaki Tractors
& Machinery Ltd.

10 Eden St., Oamaru.
P.O. Box 258, Phone 37-355.



Optional DX 90/A Accessories: Front ballast · Rear wheel ballast · Drawbar · Swinging drawbar · Auxiliary valves · Supplementary oil tank (hydraulic system) · Compressed air supply system · Ploughing lamps ·

DX 90 Specification

Weights and Dimensions

Rear-wheel Drive

Based on tyre size		7.50-20; 16.9-38
Wheelbase	a	2558 mm (101 in.)
Length	b	4320 mm (170 in.)
Width	c	2060 mm (81 in.)
Height above exhaust*	d	2700 mm (106 in.)
Ground clearance below front axle	e	530 mm (21 in.)
Track width – telescopic front axle	f	1500 ... 2000 mm (59 ... 79 in.) (1600 ... 2200 mm for 10.00-16) (63 ... 87 in.)
Track width – adjustable rear wheel	g	1600 ... 2000 mm (63 ... 79 in.)
Turning radius without steering brake		4480 mm (176 in.)
Bare operating weight		4200 kg (9260 lbs.)
Permissible maximum weight		6000 kg (13 250 lbs.)

Four-wheel Drive

Based on front/rear wheel tyre size		14.9-24/16.9-38
Wheelbase	a	2553 mm (100.5 in.)
Length	b	4320 mm (170 in.)
Width	c	2240 mm (88 in.)
Height above exhaust*	d	2720 mm (107 in.)
Ground clearance below front axle	e	440 mm (17 in.)
Track width – front	f	1800 and 2000 mm (71 and 79 in.)
Track width – rear	g	1600 ... 2000 mm (63 ... 79 in.)
Turning radius without steering brake		5870 mm (231 in.)
Bare operating weight		4700 kg (10 350 lbs.)
Permissible maximum weight		6000 kg (13 250 lbs.)

Chassis, Brakes, Steering System

Tyre size – front wheel		7.50-18; 7.50-20; 10.00-16
– rear wheel		13.6-38; 16.9-34; 16.9-38; 18.4-34
Four-wheel drive tyres – front		12.4-24; 13.6-24; 14.9-24
– rear		16.9-34; 16.9-38; 18.4-34; 23.1-30
Main brakes (pedal operated)		hydraulic disc brakes
Parking brake		independent mechanical drum brake
Steering system		hydrostatic

Engine

DEUTZ four-stroke diesel	F5L 912
Number of cylinders	5
Rated speed	2300/min
Cooling system	air-cooling
Fuel injection system	direct injection
Bore/stroke	100 mm/120 mm (3.9/4.7 in.)
Cubic capacity	4720 cm ³ (287.5 in. ³)
Torque rise	11%
Specific fuel consumption at max. torque	220 g/kWh (162 g/DIN HPh) 0.48 lbs./kWh, 0.36 lbs./DIN HPh)
Fuel tank capacity	120 litres (31.7 U.S. gall.)

Transmission

Type	DEUTZ TW 90
Number of gears, forward/reverse	12/4; 15/5
Creep gears optional	16/4; 20/5
Gear shifting facilities (optional)	synchromesh on all basic gears, intermediate and reverse gears

* Height above exhaust pipe cap + 100 mm (4 in.)

Illustrations, weights, dimensions and specifications subject to modification without prior notice.
To obtain detailed equipment information in your country, please contact your DEUTZ-FAHR Dealer.

Heater booster system · Creep gears · Fast gear · Portal drive axle DX 90 A · OPTITRAC automatic differential lock · Automatic trailer hitch · MasterCab

Speeds in km/h (mile/h) at tyre size 16.9-38

Group	K	L	Z	S	R
1.	0.40(0.25)	2.1(1.3)	4.3(2.7)	9.1(5.6)	5.3(3.3)
2.	0.61(0.38)	3.3(2.0)	6.6(4.1)	13.9(8.6)	8.1(5.0)
3.	0.75(0.47)	4.0(2.5)	8.1(5.0)	17.0(10.6)	10.0(6.2)
4.	1.08(0.67)	5.8(3.6)	11.8(7.3)	25.0(15.5)	14.4(9.0)
5. ¹	1.34(0.83)	7.1(4.4)	14.4(9.0)	30.0(18.0)	17.7(11.0)

¹) not applicable to 25 kph versions (15.5 mile/h)

P.T.O. shafts

independent P.T.O. shafts
off engine

Speeds

540 RPM/1000 RPM engine
speed = 2070 RPM

Comfort

Driver's cab noise-insulated, optimal job design, luxurious standard fittings.
DEUTZ cabs JuniorCab 85 dB(A) and MasterCab 83 dB(A)

Hydraulic System

Power lift unit

DEUTZ TRANSFERMATIC
SYSTEM K 55.2 with
external ram (2 ext. rams opt.)
driven directly by the
engine

Pump drive

Delivery

39.6 litres/min (10.5 U.S. gall.)
(55.7 litres/min [14.7 U.S. gall.]
optional)

Working pressure

175 bar

Three-point linkage

Cat II

Lifting capacity, max.

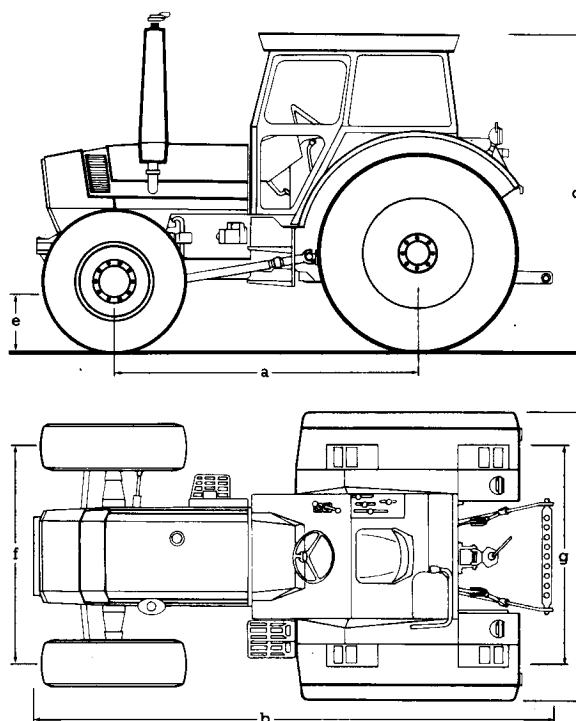
37300 N (3800 kp/8400 lbs.)

with 2 ext. rams, max.

51000 N (5200 kp/11450 lbs.)

Number of auxiliary valves

3 max.



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Klöckner-Humboldt-Deutz AG



KHD

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