



Waitohi  
& Machinery Ltd.

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

**DEUTZ D 45 07**  
**D 52 07**  
**D 62 07**  
**D 78 07**

**Special Note**

This leaflet was published overseas and the equipment, special optional equipment and technical data referred to are applicable only to the equipment as sold overseas. The particular equipment shown in this leaflet should be used as a guide and before making a decision to purchase, please consult your local Deutz/Fahr dealer for particulars on how this equipment is offered for sale in Australia and New Zealand. Deutz/Fahr.



**DEUTZ  
FAHR**

***The mark of quality farming.***



# ***The demands for top High performance there's a DEUTZ 07 tractor***

**In equatorial deserts and in the high North at  $-35^{\circ}\text{C}$ .**

DEUTZ tractors have proven their worth all over the world when it comes to reliability and long life while serving under the most extreme conditions.





# ***day and tomorrow: choice for less fuel- or to match your needs.***

## **Tailored by DEUTZ.**

Today - when energy saving is the first consideration - the correct ratio of expenditure and performance is the only reasonable choice. The newly developed DEUTZ 07 range offers the appropriate machine and equipment for individual requirements.

## **Proven in uncountable tests and heavy-duty field trials.**

Every single part of the DEUTZ 07 tractor is tested before it finally passes the quality control inspectors. It is of vital importance that continual testing and checking takes place not only in the development stage, but that optimum quality is ensured in the series production by precise manufacturing methods.





# ***The DEUTZ 07 is conv -despite high eng***

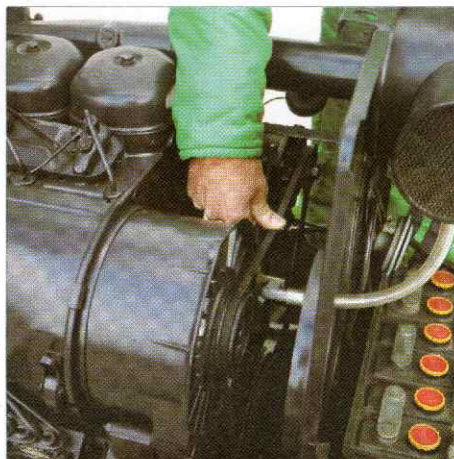
### **Save Diesel - drive DEUTZ**

That is no meaningless publicity slogan: The DEUTZ direct-injection system, the aerodynamic design of the intake port and the special combustion cavity in the piston crown make for ideal combustion and thus more efficient utilization of the fuel. What's more, DEUTZ engines are designed for high performance. For the 07 tractors, the engines are throttled - this explains the high power reserves and long life of the components.

### **Typically DEUTZ: Air cooling = only one thing to check ...**

... namely the V-belt tension. All the trouble-prone parts of a conventional water cooling system are not present, and thus do not have to be checked and serviced.

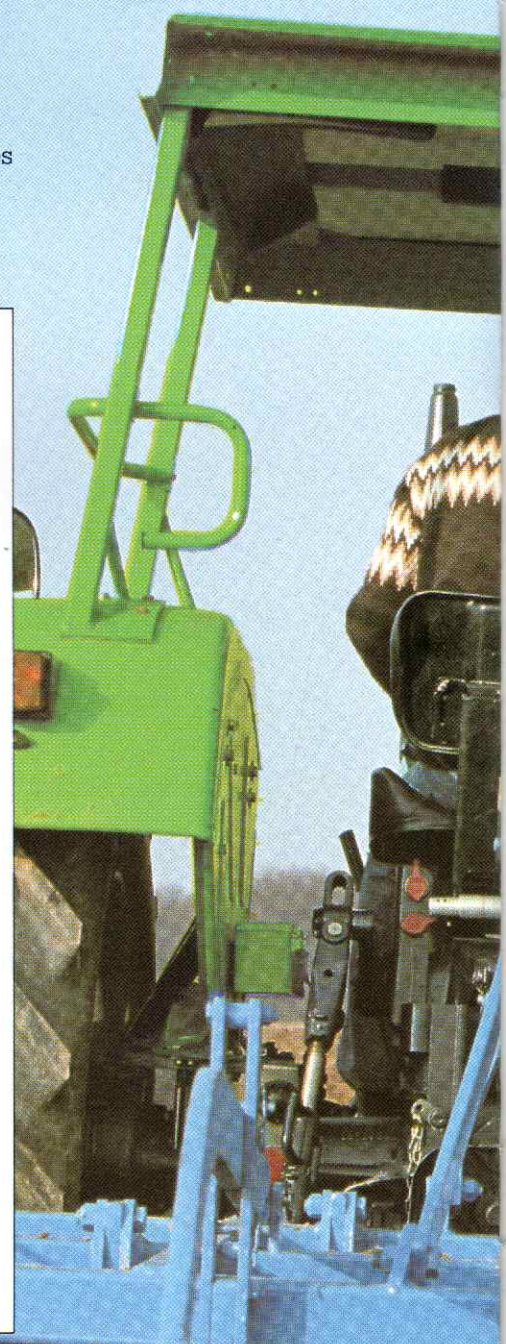
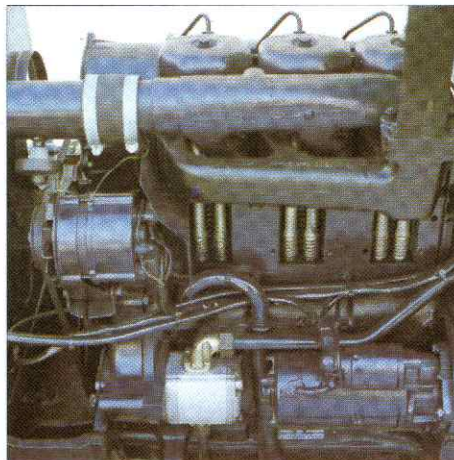
**... and that means:  
Fewer breakdowns, less downtime,  
lower costs.**



### **Typically DEUTZ: The "left-right" division.**

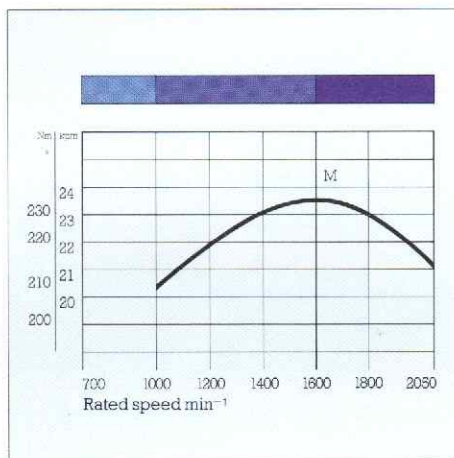
The electrics are protectively placed on the left-hand side of the engine, well away from the fuel system. Oil and fuel cannot cause contamination here, no insulation can be damaged, no starter motor can become defective.

**... and that means:  
More reliability, less annoyance,  
less wear.**





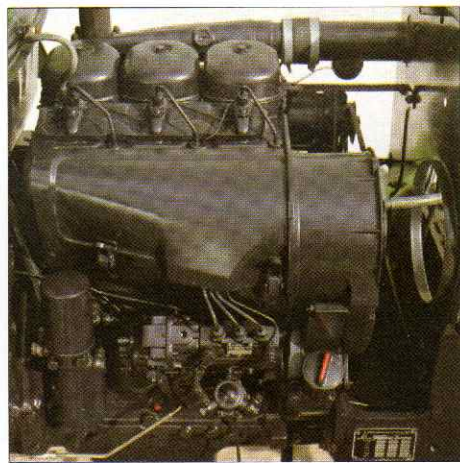
# incingly economical ine performance.



## Typically DEUTZ: The 07 pulls its weight ...

When the load increases and the speed drops, the engine develops still more power: The high torque rise combined with the big power reserve results in a favourable performance curve.

... and that means:  
**Extra flexibility, less gear-shifting.**



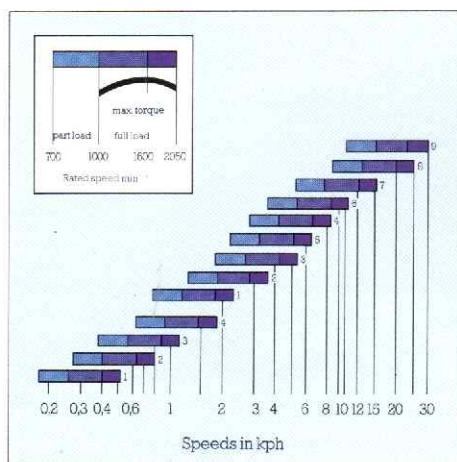
## Typically DEUTZ: The logical layout ...

... the fuel system on the right-hand side of the engine; everything in its place, neatly laid out and easily accessible.

... and that means:  
**Simple maintenance.**



# ***It's the close harmony and the DEUTZ that really produces t***



**Typically DEUTZ:**  
**Just the right speed every time.**

The DEUTZ transmission offers several working speeds to suit every farming need: whether in the transport or creep-speed ranges, or in the ranges for heavy traction, P.T.O. work, and surface cultivation.

**... and that means:**  
**Optimum use of engine power,**  
**easier working.**

**Typically DEUTZ:**  
**The direct way is the best ...**

... the full power of the engine is transmitted not only direct to the wheels but also direct to the P.T.O. shaft.

**... and that means:**  
**Optimum use of the engine output,**  
**savings in fuel.**



# **y of the DEUTZ engine transmission he full traction power.**

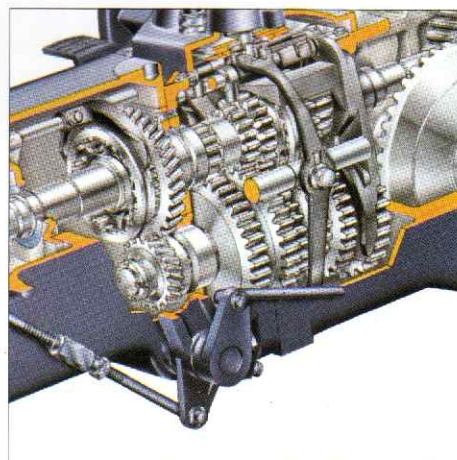


**Typically DEUTZ:  
4-wheel drive for the heaviest going.**

If terrain and soil conditions are demanding, or if the tractor is to perform a great deal of front-end loading work, it's advisable to choose 4-wheel drive from the outset.

The 4-WD models have hydrostatic steering as standard.

**... and that means:  
Easier working when the going is toughest.**



**Typically DEUTZ:  
Wearing rate practically zero ...**

... for the alloys used in the manufacture of the DEUTZ transmission have a degree of hardness which is well out of the ordinary.

**... and that means:  
Robustness, trouble-free operation,  
high re-sale evaluation.**



# **New developments by a unison of man**

**It's a pleasure to work in a DEUTZ,  
for hours on end, day in, day out.**

What makes the cab of the DEUTZ tractor so attractive? We'd say it's the large number of controlling aids and the well-thought-out refinements. Small points which make the farmer's work more comfortable and easier, as well as more rewarding and efficient.



**Typically DEUTZ:  
Plenty of room ...**

... and at the same time more safety, thanks to the large, non-slip steps and platform. Then there is the fold-away comfort seat, which not only facilitates access but can also be precisely adjusted to suit the size and weight of the driver.

**... and that means:  
Comfort and safety, plus tireless  
working.**





# DEUTZ make the 07 cab n and machine.



**Typically DEUTZ:**  
**Central locking of the entire ballast.**

Two bolts secure all of the front ballast weights on the carrier. And since the carrier is well in front of the front axle, the distribution of weight is ideal.

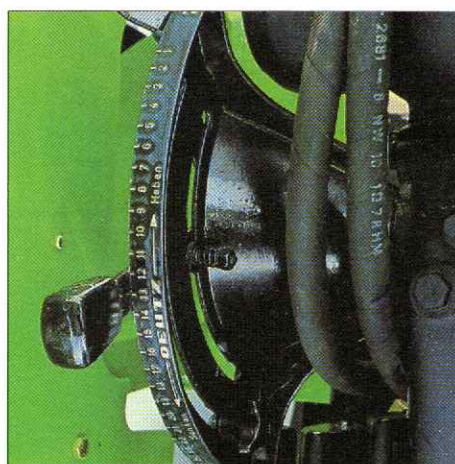
**... and that means:**  
**Neat, uncomplicated working.**



**Typically DEUTZ:**  
**A flick of the wrist ...**

... reveals the air cleaner and battery, cleanly and protectively arranged behind the new, removable front grille.

**... and that means:**  
**Quick and easy servicing and maintenance.**



**Typically DEUTZ:**  
**The single-lever automatics ...**

Lifting - lowering - working depth - floating; all are controlled by a single lever, separated from the three mountable auxiliary control valves.

**... and that means:**  
**Operating and adjustment errors are ruled out.**



# ***Exclusive to DEUTZ: the TRANSFERMATIC System, the extra-special high-power hydraulics.***

**Typically DEUTZ:**  
18,650 to 23,550 N.

That is the rugged power of the DEUTZ hydraulic system. Add to this the robust three-point linkage with its automatic stabilizing system and versatile adjustability.

**... and that means:**  
**High hydraulic power, easily  
matched to any implement.**



**Typically DEUTZ:**  
**Automatic lifting-height limiter...**

One lever – no chains, no struts – and the lifting height is set for all implements.

**... and that means:**  
**Safe working and protection of P.T.O.  
shaft and implements.**



# ***Apart from the weather,\* we've got everything under control.***

***\*...and we're trying to help you outdo that, too!***

## ***DEUTZ-FAHR shows the way.***

- by providing new techniques for the modern farm, for example the rotary-type forage harvesting machines
- by employing precise manufacturing methods and strictest quality controls. This means that knowledge gained from research and development is optimally transferred to the series-production lines
- by establishing real partnership with the farmer, fostered everywhere by qualified DEUTZ-FAHR dealers who are always ready to help with good advice and service



DEUTZ-FAHR ...  
... that means greater dependability, quicker working and better harvests resulting from

- perfection in detail as well as in general
- harmony of DEUTZ diesel engines and DEUTZ transmissions, DEUTZ hydraulic systems and DEUTZ-FAHR harvesting techniques.  
Everything from one supplier!

**DEUTZ  
FAHR**

***The mark of quality farming.***



# Specifications:

Model		D 45 07 [D 45 07 A]	D 52 07 [D 52 07 A]	D 62 07 [D 62 07 A]	D 78 07 [D 78 07 A]
<b>Engine</b>					
Output	kW (hp)	33 (45)	38.8 (52.8)	44.7 (60.8)	55 (74.8)*
at rated speed	l/min	2300	2300	2050	2300
PTO. Output	kW (hp)	31.6 (43)	37.5 (51)	42.0 (57.1)	51.5 (70)*
<b>Weights and Dimensions (2-WD/4-WD)</b>					
Based on tyre sizes		6.50-16/14.9-28 [7.50-18/14.9-28]	7.50-16/14.9-28 [7.50-18/14.9-28]	7.50-18/16.9-30 [10.5-20/16.9-30]	7.50-20/16.9-34 [12.4-24/16.9-34]
Wheel base	mm	1995 [2060]	1995 [2060]	2125 [2180]	2414 [2429]
Length	mm	3340 [3460] (131.5)	3340 [3460]	3560 [3720]	3890 [4030]
Width	mm	1730	1730 or Cat. II 1930 [1870 or Cat. II 1930]	1980	1990, with cab 2075
Height incl. safety frame	mm	2370	2370	2480	2560
Ground clearance	mm	440 [270]	460 [270]	530 [300]	530 [430]
Track front/rear	mm	1290-1890 [1380]/1320-1720	1390-1890 [1380] (I) 1320-1920 (II) 1520-1920	1480-1880/1520-1920 [1500/1520-1920]	1480-1980, 1520-2020 [1500+1800/1520-2020]
Turning radius without steering brake	m	3.6 [4.6]	3.6 [4.6]	4.0 [4.8]	4.1 [5.9]
Bare operating weight incl. safety frame	kg	2100 [2380]	2210 [2490]	2460 [2760]	2930/3200 [3300/3570]
Permissible maximum weight	kg	3500	4000	4000	5000
<b>Chassis, Brakes, Steering System</b>					
Tyre size	front	(other sizes optional at extra cost)	6.00-16 (6 PR)	6.00-16 (6 PR)	7.50-16 (6 PR)
	rear	(other sizes optional at extra cost)	14.9-28 (6 PR)	12.4-32/14.9-28 (6 PR)	16.9-28 (6 PR)
4-WD	front	(other sizes optional at extra cost)	7.50-18 (6 PR)	7.50-18 (6 PR)	10.5-18 (6 PR)
	rear	(other sizes optional at extra cost)	14.9-28 (6 PR)	14.9-28 (6 PR)	16.9-28 (6 PR)
Brakes		-/drum brakes, mech.	full-disc brakes	full-disc brakes	double drum br. mech., S = hydr.
Steering system		mech. or hydr. [hydr.]	hydr.	hydr.	hydr.
<b>DEUTZ Four-stroke Diesel Engine</b>		F3L 912	F3L 912	F4L 912	F4L 913
Number of cylinders/Cooling system		3/air	3/air	4/air	4/air
Bore/Stroke/Capacity	mm/mm/cm³	100/120/2827	100/120/2827	100/120/3770	102/125/4085
Torque rise	%	2300/14.6	10.3	12.2	11.7
Fuel tank capacity	l	70	70	70	92
<b>DEUTZ Transmission</b>		TW 35.2	TW 50.3	TW 50.4	TW 56.2
Number of gears forward/reverse		8/2	8/4	8/4	12/4
Gear shifting facilities		dog-shift/pin-shift	Synchronization	Synchronization	Synchronization
PTO shaft		ind. PTO	ind. PTO	ind. PTO	ind. PTO
Speeds l/min at engine speed	l/min	540/2080 or 1000/2135	540/2080 or 1000/2135	440/1890 [1000/1875]	540/2025 or 1000/2170
<b>DEUTZ-TRANSFERMATIC-System</b>		K 45	K 45	K 45.3	K 45.1
Delivery flow/Working pressure	l/min/bar	34.7 or 39.6/175	34.7/175 or 39.6/175	35.3/175 or 41.9/175	39.6/200
Three-point linkage		Cat. I	Cat. I or II	Cat. II	Cat. II
Lifting capacity at drawbar	Tonnes	1.8	1.9	2.4	2.6

Illustrations, weights, dimensions and specifications are subject to modification. To obtain detailed equipment information, please contact your DEUTZ-FAHR Dealer.

\* manufacturer's estimate



**Waitaki Tractors  
& Machinery Ltd.**

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

Klöckner-Humboldt-Deutz AG

