

## 5860 R and DT " EVOLUTION " MKTG BULLETIN

This to inform you that the " New 60 Series " has been updated by introduction of the 5860 R and DT " Evolution " version.

Cut-in with new engines in line with EURO1 standards.

### Main Specifications

- 1 ) Perkins engine ( green )
- 2 ) " Hydralock " differential lock
- 3 ) Transmission
- 4 ) Safety frame
- 5 ) Auxiliary control valves
- 6 ) Tyres
- 7 ) General data



### 1 ) Perkins engine ( green )

High performance 3-cylinder aspirated engine with a high torque reserve.  
Complies with EEC 97/68 and USA 40 CFR PART.89 Standards

Type	Perkins 4-stroke Diesel engine with direct injection
Code	903-27
Number of cylinders	3 vertical in line
Bore ( nominal )	95 mm.
Stroke	127 mm.
Swept volume	2700 cc.
Compression ratio	17.25 : 1
Power rating	54 HP ( 40 kW )
Max. engine rate on load	2300 RPM
Max. engine rate with no load	2475 RPM
Max. torque	193 Nm
Max. torque rate	1200 RPM
Idling rate	750 RPM
Cylinder liners	Dry, in cast iron

#### Timing system

Type	With overhead valves
Tappet gap: hot engine	0.25 mm.
cold engine	0.45 mm.

#### Fuel system

Fuel pump	AC-DELCO diaphragm type with lever
Injection pump	Rotary C.A.V.
Injection pump delivery filter	C.A.V. replaceable cartridge with bleed plug
Injection order	1 - 2 - 3
C.A.V. injectors	Perkins
Injector pressure setting	296 bar
Cold starting device	ISKRA thermostarter
Air filter	In oil bath with separator prefilter

This engine is also mounted in the current LANDINI Rex 60 V-F and Globus 55 versions.

### 2 ) " Hydralock " differential lock

The front axle can be equipped with a " Hydralock " differential lock.

The front differential lock engages automatically when the rear lock engaging pedal is depressed.

Depress one or both brake pedals to disengage it.

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### 3 ) Transmission

The basic gearbox with synchronized reverse shuttle supplies 12FWD + 12REV speeds. Reverse shuttle + basic gearbox + Creeper version providing 24FWD + 12REV speeds is available on request.

The ground speed table with the engine at top rate (2250 RPM) and rear tyres as shown is given below :

	Range	Gear	Rear tyres		
			14.9/13.28	16.9/14-28	16.9/14.30
Forward Speeds	Slow	1st	1.64	1.71	1.78
		2nd	2.57	2.69	2.79
		3rd	3.25	3.40	3.53
		4th	4.79	5.02	5.20
	Standard	1st	3.91	4.09	4.24
		2nd	6.14	6.43	6.67
		3rd	7.76	8.12	8.43
		4th	11.45	11.98	12.43
	Fast	1st	9.64	10.09	10.47
		2nd	15.15	15.86	16.46
		3rd	19.15	20.04	20.79
		4th	28.22	29.55	30.65
Reverse Speeds	Slow	1st	1.64	1.71	1.78
		2nd	2.60	2.72	2.82
		3rd	3.28	3.43	3.56
		4th	4.84	5.07	5.26
	Standard	1st	3.95	4.13	4.29
		2nd	6.20	6.50	6.74
		3rd	7.84	8.20	8.51
		4th	11.56	12.10	12.56
	Fast	1st	9.74	10.20	10.54
		2nd	15.31	16.02	16.62
		3rd	19.34	20.25	21.00
		4th	28.51	29.85	30.96

### 4 ) Safety frame

Safety frame with 4 pillars, approved in compliance with OECD international standards.

### 5 ) Auxiliary control valves

1 single and double-acting auxiliary control valve with floating position ( operated by means of the relative control knob ) in the basic machine.

2 auxiliary control valves ( 1 standard + 1 floating ) available on request.

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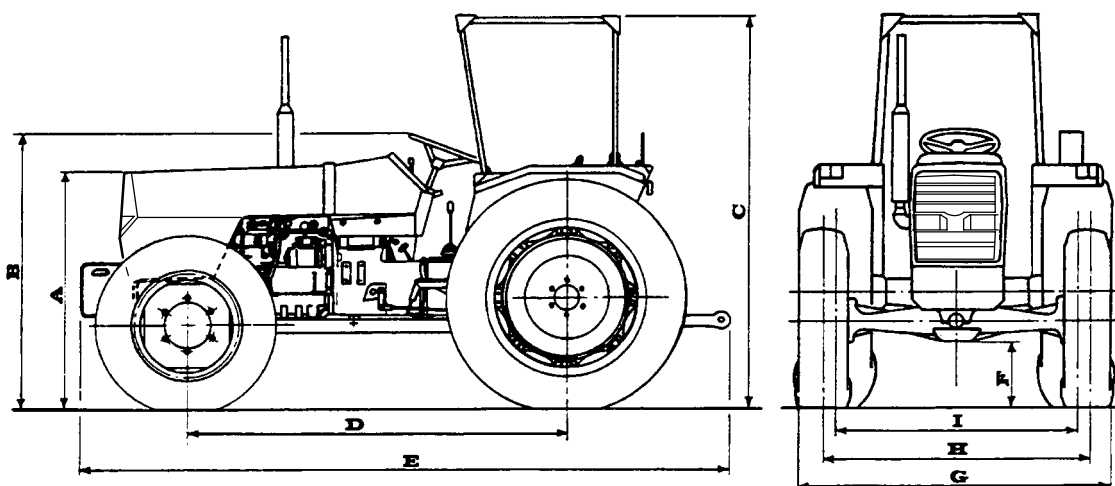
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### 6 ) Tyres

The types of tyre envisaged and the front and rear tyre matches allowed are given below along with the indicative operating pressures.

	Front tyres			Rear tyres				
	Tyre		Rim	Bar	Tyre		Rim	Bar
2 WD	<b>6,50-16 6P</b>		<b>4,00 E16</b>	<b>3.1</b>	<b>13,6R28 123A8</b>		<b>W12-28</b>	<b>1.6</b>
	7,50-16 6Pr		5.50 F16	2.3	14,9R28 128A8		W12-28	1.6
	7,50-16 6Pr		5.50 F16	2.3	12,4R32 6Pr		W10-32	1.7
4 W	<b>11,2R20 111A8</b>		<b>W9-20</b>	<b>1.6</b>	<b>13,6R28 123A8</b>		<b>W10-28</b>	<b>1.6</b>
	9,5R24 107A8		W8-24	2.1	12,4R32 122A8		W11-32	1.7
	12,4R20 116A8		W9-20	1.6	14,9R28 128A8		W12-28	1.6
	11,2R24 114A8		W10-24		14,9R30 129A8		DWW13-30	

### 7 ) General specifications



With tyres

- front
- rear

**Weights**

- In running order with front and rear ballast and safety frame ..... Kg.

**Dimensions**

- A - Height at bonnet ..... mm.
- B - Height at exhaust pipe ..... mm.
- C - Height at safety frame ..... mm.
- D - Wheelbase ..... mm.
- E - Max. length with front and rear ballast and lift rods ..... mm.
- F - Ground clearance (under front axle) ..... mm.
- G - Width ..... mm.

	2 driving wheels	4 driving wheels
With tyres	7.50-16 14.9R28	12.4R24 14.9R28
In running order with front and rear ballast and safety frame ..... Kg.	2700	2980
A - Height at bonnet ..... mm.	1398	1398
B - Height at exhaust pipe ..... mm.	1612	1612
C - Height at safety frame ..... mm.	2410	2410
D - Wheelbase ..... mm.	2126	2109
E - Max. length with front and rear ballast and lift rods ..... mm.	3837	3837
F - Ground clearance (under front axle) ..... mm.	480	350
G - Width ..... mm.	min.1678 max.2278	min.1678 max.2278

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