

TABLE OF CONTENTS

380B Tractor

SERIES	SECTION	DESCRIPTION	PUBLICATION
10		GENERAL	
	1000	General Specifications	8 - 57670
	* 1005	Special Service Tools	8 - 58920
	** 1230	Fuel System Specifications	8 - 57721
	1250	Steering System Specifications	8 - 57570
	1280	Hydraulic System Specifications	8 - 56930
20		ENGINE	
	2201	Engine Troubleshooting	8 - 56590
	2215	3 Cylinder Engine Cylinder Head, Valves and Rockers	8 - 57110
	2225	3 Cylinder Engine Cylinder Block, Pistons and Conrods	8 - 57120
	2235	3 Cylinder Engine Crankshaft and Bearings	8 - 57130
	2240	3 Cylinder Engine Camshaft and Idler Gear	8 - 57140
	2245	3 Cylinder Engine Lubrication System	8 - 57170
	* 2310	Separating Tractor - Tractor with Adjustable Front Axle	8 - 56660
	* 2310	Separating Tractor - Tractor with Fixed Cast Front Axle	8 - 58950
	* 2355	Engine Cooling System	8 - 56640
	* 2410	Engine Removal - Tractor with Adjustable Front Axle	8 - 56670
	* 2415	Engine Removal - Tractor with Fixed Cast Front Axle	8 - 58910
30		FUEL SYSTEM	
	3310	Fuel System	8 - 56650
	* 3311	Fuel Injection Pumps - VE Type	8 - 59020
	3312	Fuel Injection Pumps - VA Type	8 - 57630
	3313	Fuel Injectors	8 - 57640
40		ELECTRICAL	
	* 4201	Electrical Troubleshooting	8 - 57010
	* 4210	Wiring Diagram	8 - 57050
	4235	Battery Servicing and Testing	8 - 56980
	4240	Lucas A115 and A127 45 Ampere Alternators and Regulators	8 - 57030
	4330	Bosch JF Starter Motor	8 - 57020
50		STEERING	
	5015	Steering Pump Removal	8 - 57600
	5020	Steering System Oil Pump	8 - 56470
	5025	Steering System Tests and Troubleshooting	8 - 57540
	* 5330	Front Axle - Adjustable Type	8 - 56700
	* 5340	Front Axle - Cast Heavy Duty	8 - 58940
	* 5420	Steering Cylinder - Adjustable Axle	8 - 57410
	* 5430	Steering Cylinder - Fixed Cast Axle	8 - 58930

* New Sections
** Revised Sections

SERIES	SECTION	DESCRIPTION	PUBLICATION
60		POWER TRAIN	
	6001	Clutch Controls, Linkage and Release Bearing	8 - 56520
	6030	Rear Axles	8 - 56480
	6241	Clutch 12 inch (Rockford Type)	8 - 56680
	6306	Steering Support Removal	8 - 57240
	6310	Transmission Speedbox	8 - 56950
	6315	Transmission Rangebox - with Light Duty Park Brake	8 - 56960
	6325	Forward/ Reverse Transmission	8 - 56980
	* 6326	Forward/ Reverse Transmission Troubleshooting	8 - 59380
	6330	Differential - Transmission with Light Duty Park Brake	8 - 57290
	6340	Power Take Off (PTO) Clutch and Lower Shaft	8 - 56540
	6341	Clutch, 11 inch (Laycock Type)	8 - 56690
	* 6342	Power Take Off Troubleshooting	8 - 58220
	6410	Speedbox Removal	8 - 56830
	6411	Rangebox Removal	8 - 57370
70		BRAKES	
	7105	Disc Brakes	8 - 57480
	7110	Brake Master Cylinders and Controls	8 - 57660
	7115	Park Brake	8 - 58250
80		HYDRAULIC SYSTEM	
	8001	Hydraulic Troubleshooting	8-57581
	8005	Hitch Adjustments	8-56920
	8010	Multiple Control Valve (MCV)	8 - 56870
	8015	Unloading and Flow Control Valve	8 - 56880
	8020	Filter and Pump	8 - 56860
	8025	Bosch Remote Valves	8 - 56890
	8030	Draft Cylinder and Rockshaft	8 - 56900
	8035	Control Levers and Raise Rate Valve	8 - 56910
	8040	Hydraulic Housing Removal	8 - 57250
90		CHASSIS AND ACCESSORIES	
	9240	Hood, Fenders and Seatdeck	8 - 56810
100		HOW IT WORKS	
	* 10050	Steering System	8 - 59390
	10080	Hydraulic System	8 - 56940

* New Sections
** Revised Sections

Section 1000

GENERAL SPECIFICATIONS 85 Series Tractors

HAND SIGNALS

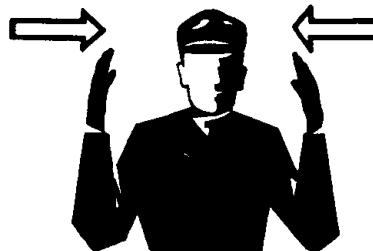
For communication under noise conditions and for special operations, a system of standard hand signals has been devised which can decrease time loss and prevent accidents.

Start the Engine



Move arm in a circle at waist level.

This Far To Go



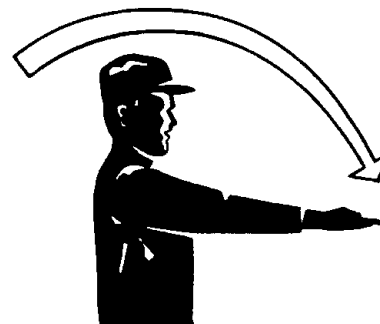
Put your hands in front of your face with the backs of your hands outward. Move your hands in or out as an indication of how far to go.

Stop the Engine



Move your right arm across your neck from left to right.

Move Out



Face in the required direction of travel. Put your arm straight out behind you, then swing your arm over your head and forward until your arm is straight out in front of you with the back of your hand up.

Move Toward Me - Follow Me



Look toward the person or vehicle you need to move. Hold one hand in front of you with the back of the hand toward the machine and move your arm from the elbow to the fingers backward and forward.

Come To Me



(Can also be “Come to me because I need your assistance”). Lift your arm vertically over your head with the back of your hand to the rear and turn your arm in large horizontal circles.

Raise Equipment



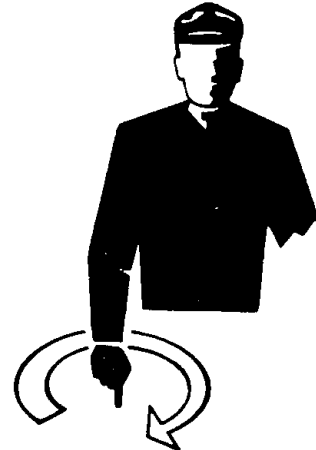
Point up with one finger and at the same time, move your hand in a circle at head level.

Decrease Speed



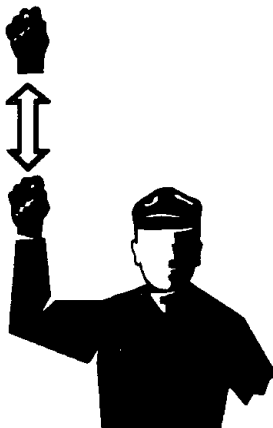
Put your arm out horizontally with the back of your hand up, then move your arm down about 45° minimum many times. Keep your arm straight and do not move your arm above your shoulder.

Lower Equipment



Point to the ground with one finger and at the same time move your hand in a circle.

Increase Speed



Lift your hand to shoulder level with your fingers closed. Move your closed hand fully up, then return to shoulder level. Do this quickly, many times.

Stop



Raise your hand fully up with the back of your hand to the rear. Keep this position until the signal is understood.

SERIAL NUMBERS

Compiled in this manual are the operating and maintenance instructions for the 85 Series Agricultural Tractors

When in need of service parts always quote the tractor, transmission unit, and engine serial numbers, including prefix and suffix letters.

If information is required that is not available in this manual see the nearest authorized Case Dealer.

Transmission Serial Number

EXAMPLE: 293805 BTY

The suffix letters, BTY denote the build of the unit.

The first letter denotes the type of drive train, B = fast speed transmission, A or D = slow speed transmission.

The second letter denotes the bevel gear ratio,
T = 11:52, S = 14:51 and R = 12:53.

The third letter denotes the operating speeds for the PTO and the number of splines on the upper and lower shafts as shown below.

U	=	555 r/min	6 splines upper shaft
V	=	1000 r/min	6 splines lower shaft
W	=	580 r/min	6 splines upper shaft
X	=	606 r/min	6 splines upper shaft
Y	=	611 r/min	6 splines upper shaft
Z	=	614 r/min	6 splines upper shaft

V denotes that only the lower PTO shaft is fitted, as for compressor drive. When applicable, dual speed installations are indicated by a fourth suffix letter D.

GENERAL SPECIFICATIONS

Specifications for each machine are under individual headings which follow these GENERAL SPECIFICATIONS.

Capacities

Fuel Tanks	UK Value	U.S. Value	Metric Value
XL Tractors	24 6 gal	29.6 gal	112 litres
Non XL Tractors	17 gal	20.3 gal	77 litre
2WD Transmission	7.5 gal	8.9 gal	34 litre
MFD Transmissions	8 gal	9.6 gal	36.5 litre

NOTE: *These capacities are only a guide to the quantities. Always use the dipstick or level plug to make sure that units are filled to the correct level.*

Electrical System

Type of System	12 Volt, Negative ground		
Battery (Rating IEC/BS)			
Standard	Reserve Capacity		170 minute
Cold Cranking Amperes	.....	420 ampere	
Heavy Duty	Reserve Capacity		170 minute
Cold Cranking Amperes	.....	510 ampere	
Heavy Duty Plus	Reserve Capacity		220 minute
Cold Cranking Amperes	.....	510 ampere	
Alternators			
XL Tractors			65 amp
Non XL Tractors			45 amp
North America with Simms Cab			75 amp

XL Tractors

Head Lamps (2)	12 Volt, 37.5/60 watt sealed beam or 40/45 watt British prefocus cap (export)		
Side Lamps (2)	12 Volt, 10 watt small bayonet cap		
Stop Lamps (2)	12 Volt, 21 watt small bayonet cap		
Tail Lamps (2)	12 Volt, 10 watt small bayonet cap		
Work Lamps	12 Volt, 55 watt Halogen		
Registration Number Plate Lamp	12 Volt, 10 watt small bayonet cap		
Direction Indicator Lamps (2)	12 Volt, 21 watt small bayonet cap		
Instrument Warning Lamps	12 Volt, 1.2 watt capless wedge		
Tachometer Lamp	12 Volt, 3 watt capless wedge		
Speedometer Lamp	12 Volt, 3 watt capless wedge		
Speed Decal Lamp	12 Volt, 1.5 watt capless wedge		

Non XL Tractors

Head Lamps	12 Volt, 37.5/60 watt sealed beam 40/45 watt British prefocus cap (export)		
Side Lamps (2)	12 Volt, 5 watt festoon		
Stop/Tail Lamps (2)	12 Volt, 21/5 watt small bayonet cap		
Work Lamp	12 Volt, 35 watt sealed beam		
Direction Indicator Lamps (2)	12 Volt, 21 watt small bayonet cap		
Registration Number Plate Lamp	12 Volt, 5 watt miniature center contact		
Instrument Warning Lamps	12 Volt, 3 watt capless wedge		
Tachometer Lamp	12 Volt, 3 watt capless wedge		
Speedometer Lamp	12 Volt, 3 watt capless wedge		
Panel Lamp	12 Volt, 5 watt festoon		

Transmissions

BASIC

Type 4 Speed Synchronesh with High/Low Ranges and Reverse
 Number of Gears 8 Forward, 4 Reverse
 Controls 2 Levers

OPTIONAL (Not 885/885XL)

Type Forward/Reverse
 Same as Synchronesh, plus a Hydraulically Operated Forward
 and an Increased Speed Reverse
 Number of Gears 8 Forward, 8 Reverse
 Controls 3 Levers

OPTIONAL

Type 2 Speed Power Shift
 Same as Synchronesh, Plus Hydraulically
 Operated Speed Decrease in all Gears
 Number of Gears 16 Forward, 8 Reverse
 Controls 2 Levers and an Electrical Switch

Foot Brakes

Type Hydraulic, Self Adjusting, Oil Cooled Discs

	U.S Value	Metric Value
Disc Diameter	10 in	254 mm

Hydraulic System

Type Independent, with Fully Live
 Hydraulic Pump in the Transmission
 Operating Pressure 175 kg/cm² (2500 lb/in²)

Steering

Type Hydrostatic
 Turning Radius with Brake Assistance: 2WD 132 in 3352 mm
 (with MFD engaged) MFD 146 in 3708 mm
 Turning Radius without Brake Assistance: 2WD 151 in 3835 mm
 (with MFD engaged) MFD 171 in 343 mm

Differential Lock

Type Mechanical Actuated by the Operators Right Foot

Hitch system

Type of Sensing Upper Link
 Type of Control Hand Lever
 Type of Valve Four-Position, Hold, Lift, Lower, and Float
 Type of Draft Arms Rigid, Swing Type, Manual Float Adjuster
 Type of Hitch 385and 485 Three Point, Category one and Two
 585, 685 and 885 Three Point, Category Two
 Quick Hitch Coupler (Available)

385 SPECIFICATIONS**General**

Diesel Engine Model	D 155
Number of Cylinders	3
Firing Order	1-3-2
Engine Speeds	
Rated	2200 r/min
Low Idle	700 ± 50 r/min
Static Timing (BTDC)	10 Degrees

	U.S. Value	Metric Value
Bore	3.87 in	98.4 mm
Stroke	4.37 in	111.1 mm
Displacement	155 in ³	2536 cm ³
Valve Clearances (hot)		
Inlet	0.012 in	0.30 mm
Exhaust	0.012 in	0.30 mm

Fuel System

Injection Nozzle type	DLLA 150S 836
Nozzle Holder type	KBEL 84S 4/13

Lubrication System

Crankcase Capacity (including filter)	13.2 UK pints	2 U.S. gal	7.5 litre
Oil Pressure	40 to 60 PSI		275 to 414 kPa

Cooling System

Cooling System Capacity (including heater)	2.5 UK gal	3 U.S. gal	11.4 litre
---	------------	------------	------------

Drawbar Heights

Swinging Drawbar Top	13.9 in	353 mm
Automatic Hitch Drawbar	15.6 in	396 mm
Automatic Hitch Hook	13.2 in	335 mm

Hydraulic System

Pump Output at Rated Engine Speed of 2200 r/min		
with 27 Tooth Drive Gear	10 UK or 12 U.S. gal min	46 litre min
with 23 Tooth Drive Gear	12 UK or 14.4 U.S. gal min	54 litre min
with 21 Tooth Drive Gear	13 UK or 15.6 U.S. gal min	59 litre min
Maximum Lift Capacities		
Lower Links horizontal	3700 lb	1680 kg
Through range of 780 mm (31 in)	3100 lb	1400 kg
Lower Link Length	28.95 in	735 mm

Maximum Static Loadings

Axles, Off Road Operation	U.S Value	Metric Value
2WD Front Axle, Straight, Deep Box		
at 1530 mm (60 in) Tread	6173 lb	2800 kg
at maximum tread	3527 lb	1600 kg
APL 330 MFD Axle, at 1694 mm (67 in) Tread	5732 lb	2600 kg
APL 330 MFD Axle, at Maximum Tread	4409 lb	2000 kg
Rear Axle, at 1530 mm (60 in) Tread	9259 lb	4200 kg
Rear Axle, at Maximum Tread	7054 lb	3200 kg
Drawbars		
Swinging and auto hitch drawbar	1000 lb	454 kg
Auto hitch hook	3000 lb	1361 kg

Maximum Permitted Weights

For Road Operations		
2WD Front Axle	3086 lb	1400 kg
MFD Axle	3527 lb	1600 kg
Rear Axle	10 582 lb	4800 kg
Total Tractor Weight	12 125 lb	5500 kg

Power Take Off

PTO r/min. at Rated Engine Speed of 2200 r/min	
Upper Shaft	614
Lower Shaft	1004
Engine Speed at 540 PTO r/min	
Upper Shaft	1936
Engine Speed at 1000 PTO r/min	
Lower Shaft	2190

Mechanical Front Drive (M.F.D.)

Axle Type	ZF APL 330
Transfer Gearbox Operation	Mechanical Dog Clutch

485 SPECIFICATIONS

General

Diesel Engine Model	.....	D 179
Number of Cylinders	.....	3
Firing Order	.....	1-3-2
Engine Speeds		
Rated	.....	2180 r/min
Low Idle	.....	750 ± 50 r/min
Static Timing (BTDC)	.....	14 Degrees

	U.S Value	Metric Value
Bore	..... 3.785 in	..... 98.4 mm
Stroke	..... 5.06 in	..... 128.5 mm
Displacement	..... 179 in ³	..... 2934 cm ³
Valve clearances (hot)		
Inlet	..... 0.012 in	..... 0.30 mm
Exhaust	..... 0.012 in	..... 0.30 mm

Fuel System

Injection Nozzle Type	.....	DLLA 150S 836
Nozzle Holder Type	.....	KBEL 84S 4/13

Lubrication System

Crankcase Capacity			
(including filter)	..... 13.2 UK pints	8 U.S qts	7.5 litre
Oil Pressure	..... 40 to 60 psi	.....	275 to 414 kPa

Cooling System

Cooling Capacity			
(including heater)	..... 2.5 UK gal	3 U.S gal	11.4 litre

Drawbar Heights

Swinging Drawbar Top	..... 13.9 in	..... 353 mm
Automatic Hitch Drawbar	..... 15.6 in	..... 96 mm
Automatic Hitch Hook	..... 13.2 in	..... 335 mm

Hydraulic System

Pump Output at Rated Engine Speed of 2180 r/min			
With 27 Tooth Drive Gear	..... 10 UK or 12 US gal min	.....	46 litre min
With 23 Tooth Drive Gear	..... 12 UK or 14.4 US gal min	.....	54 litre min
With 21 Tooth Drive Gear	..... 13 UK or 15.6 US gal min	.....	59 litre min
Maximum Lift Capacities			
Lower Links Horizontal	..... 3 700 lb	.....	680 kg
Through Range of 780 mm (31 in)	..... 3 100 lb	.....	1400 kg
Lower Link Length	..... 28.95 in	.....	735 mm

Maximum Static Loadings

	U.S Values	Metric Value
Axles, Off Road Operation		
2WD Front Axle, at 1530mm (60 in) Tread	6172 lb	2800 kg
2WD Front Axle, at Maximum tread	3527 lb	1600 kg
APL 325 MFD Axle, at 1694 mm (67 in) Tread	5732 lb	2600 kg
APL 325 MFD Axle, at Maximum tread	4409 lb	2000 kg
APL 330 MFD Axle, at 1694 mm (67 in) Tread	5732 lb	2600 kg
APL 330 MFD Axle, at Maximum tread	4409 lb	2000 kg
APL 335 MFD Axle, at 1694 mm (67 in) Tread	6084 lb	2760 kg
APL 335 MFD Axle, at Maximum Tread	4409 lb	2000 kg
Rear Axle, at 1530mm (60 in) tread	11 023 lb	5000 kg
Rear Axle, at Maximum Tread	7275 lb (3300 kg)	
Drawbar		
Swinging Drawbar and Automatic Hitch		
drawbar	1000 lb	454 kg
Automatic Hitch Hook	3000 lb	1361 kg

Maximum Permitted Weights

For Road Operations		
2WD Front Axle, Straight Deep Box	3086 lb	1400 kg
MFD Axles	3527 lb	1600 kg
Rear Axle	10 582 lb	4800 kg
Total Tractor Weight	12 125 lb	5500 kg

Power Take Off

PTO r/min. at Rated Engine Speed		
Upper Shaft		614
Lower Shaft		1004
Engine Speed at 540 PTO r/min		
Upper Shaft		1936
Engine Speed at 1000 PTO r/min		
Lower Shaft		2190

Mechanical Front Drive (M.F.D.)

XL Tractors		
AxleType (Standard)		ZF APL 325
(Optional)		ZF APL 330
(Heavy Duty)		ZF APL 335
Transfer Gearbox Operation		Multiplate Clutch Electrical/Hydraulic Disengagement Engaged by Spring Pressure
Non XL Tractors		
AxleType (Standard)		ZF APL 330
Transfer Gearbox Operation		Mechanical Dog Clutch

585 SPECIFICATIONS**General**

Diesel Engine Model	.....	D 206
Number of Cylinders	.....	4
Firing Order	.....	1-3-4-2
Engine Speeds		
Rated	.....	2 300 r/min
Low Idle	.....	750 ± 50 r/min
Static Timing (BTDC)	.....	12 Degrees

	U.S Values	Metric Values
Stroke	4.38 in	111 mm
Bore	3.875 in	98.4 mm
Displacement	206 in ³	3 382 cm ³
Valve clearances (HOT)		
Inlet	0.012 in	0.30 mm
Exhaust	0.012 in	0.30 mm

Fuel System

Injection Nozzle Type	.....	DLLA 150S 836
Nozzle Holder Type	.....	KBEL 84S 4/13

Lubrication System

Crankcase Capacity (including filter)	16.2 UK pints	2.5 U.S gal	9.5 litre
Oil Pressure	40 to 60 psi		275 to 414 kPa

Cooling System

Cooling system capacity (including Heater)	24 UK pints	13.7 litre
--	-------------	------------

Drawbar Heights

XL Tractors		
Swinging Drawbar Top	15.75 in	400 mm
Automatic Hitch Drawbar	19.3 in	490 mm
Automatic Hitch Hook	6 in	406 mm
Non XL Tractors		
Swinging Drawbar Top	16 in	406 mm
Automatic Hitch Drawbar	18 in	451 mm
Automatic Hitch Hook	15 in	386 mm

Hydraulic System

Pump Output at Rated Engine Speed of 2300 r/min		
With 27 tooth drive gear	10.6 UK or 12.7 U.S gal min	48.5 litre min
With 23 tooth drive gear	12.6 UK or 15.1 U.S gal min	57.2 litre min
With 21 tooth drive gear	13.7 UK or 16.4 U.S gal min	62.5 litre min
With 20 tooth drive gear	14.4 UK or 17.3 U.S gal min	65.6 litre min
Lift capacity lower links horizontal		
With assistor ram	4 400 lb	2 000 kg
Through range of 27 in (680 mm)	5 250 lb	2 380 kg
Through range of 27 in (680 mm)	3 600 lb	1 633 kg
Lower link length	33 in	839 mm

Maximum Static Loadings

	U.S Value	Metric Value
Axles, Off Road Operation		
2WD Front Axle, at 1530mm (60 in) Tread	6172 lb	2800 kg
2WD Front Axle, at Maximum Tread	3527 lb	1600 kg
APL 325 MFD Axle, at 1694 mm (67 in) Tread	5732 lb	2600 kg
APL 325 MFD Axle, at Maximum Tread	4409 lb	2000 kg
APL 330 MFD Axle, at 1694 mm (67 in) Tread	5732 lb	2600 kg
APL 330 MFD Axle, at Maximum Tread	4409 lb	2000 kg
APL 335 MFD Axle, at 1694 mm (67 in) Tread	6084 lb	2760 kg
APL 335 MFD Axle, at Maximum Tread	4409 lb	2000 kg
Rear Axle, at 1530mm (60 in) Tread	11 023 lb	5000 kg
Rear Axle, at Maximum tread	7275 lb	3300 kg
Drawbars		
Swinging Drawbar and Automatic Hitch		
Drawbar	2000 lb	908 kg
Automatic Hitch Hook	4000 lb	1841 kg

Maximum Permitted Weights

For Road Operations		
2WD Front Axle	3086 lb	1400 kg
MFD Axle	3527 lb	1600 kg
Rear Axle	10 582 lb	4800 kg
Total Tractor Weight	12 125 lb	5500 kg

Power Take Off

PTO r/min at rated engine speed	
Upper shaft	580
Lower shaft	1050
Engine Speed at 540 PTO r/min	
Upper Shaft	2140
Engine Speed at 1000 PTO r/min	
Lower Shaft	2190

Mechanical Front Drive (M.F.D.)

XL Tractors

Axle Type (Standard)	ZF APL 325
(Optional)	ZF APL 330
(Heavy Duty)	ZF APL 335

Transfer Gearbox Operation Multiplate Clutch
 Electrical/Hydraulic Disengagement
 Engaged by Spring Pressure

Non XL Tractors

Axle Type (Standard)	ZF APL 330
Transfer Gearbox Operation	Mechanical Dog Clutch

685 SPECIFICATIONS**General**

Diesel Engine Model	D 239
Number of Cylinders	4
Firing Order	1-3-4-2
Engine Speeds	
Rated	2300 r/min
Low Idle	700 ± 50 r/min
Static Timing (BTDC)	16 Degrees

	U.S Value	Metric Value
Bore	3.875	98 mm
Stroke	5.06 in	128.5 mm
Displacement	239 in ³	3911 cm ³
Valve Clearances (hot)		
Inlet	0.012 in	0.30 mm
Exhaust	0.012 in	0.30 mm

Fuel System

Injection Nozzle Type	DLLA 150S 815
Nozzle Holder Type	KBEL 84S 4/13

Lubrication System

Crank Case Capacity (including filter) ¹	6.2 UK pints	2.5 U.S gal	9.5 litres
Oil Pressure	40 to 60 psi		275 to 414 kPa

Cooling System

Cooling system capacity (including Heater)	24 pints	13.7 litres
---	----------	-------------

Drawbar Heights

Swinging Drawbar Top (XL Tractor)	17 in	428 mm
Swinging Drawbar Top (Non XL Tractor)	15 in	393 mm
Automatic Hitch Drawbar	19.3 in	490 mm
Automatic Hitch Hook	16 in	406 mm

Hydraulic System

Pump Output at Rated Engine Speed of 2300 r/min			
With 27 Tooth Drive Gear	10.6 UK or 12.7 U.S gal min		48.5 litre min
With 23 Tooth Drive Gear	12.6 UK or 15.1 U.S gal min		57.2 litre min
With 20 Tooth Drive Gear	14.4 UK or 16.4 U.S gal min		65.6 litre min
Lift capacity with lower links horizontal	4400 lb		2000 kg
With assistor ram	5250 lb		2380 kg
Through range of 27 in (680 mm)	3600 lb		1633 kg
Lower Link Length (XL Tractor)	33 in		839 mm
Lower Link Length (Non XL Tractor)	32 in		813 mm

Maximum Static Loadings

	U.S Value	Metric Value
Axles Off Road Operation		
2WD Front Axle, at 1530mm (60 in) Tread	6172 lb	2800 kg
2WD Front Axle, at Maximum Tread	3527 lb	1600 kg
330 MFD Axle, at 1694mm (67 in) Tread	5732 lb	2600 kg
330 MFD Axle, at Maximum tread	4409 lb	2000 kg
335 MFD Axle, at 1694mm (67 in) Tread	6084 lb	2760 kg
335 MFD Axle, at Maximum Tread	4409 lb	2000 kg
Rear Axle, at 1530mm (60 in) Tread	11 023 lb	5000 kg
Rear Axle, at Maximum Tread	7275 lb	3300 kg
Drawbars		
Swinging and Auto Hitch Drawbar	2000 lb	908 kg
Auto Hitch Hook	5000 lb	2270 kg

Maximum Permitted Weights

For Road Operations		
2 WD Front Axle	3086 lb	1400 kg
MFD Axle	3527 lb	1600 kg
Rear Axle	10 582 lb	4800 kg
Total Tractor Weight	12 125 lb	5500 kg

Power Take Off

PTO r/min at rated engine speed	
Upper Shaft	580
Lower Shaft	1050
Engine Speed at 540 PTO r/min	
Upper Shaft	2140
Engine Speed at 1000 PTO r/min	
Lower Shaft	2190

Mechanical Front Drive (M.F.D.)

Axle Type (Standard)	ZF APL 330
(Heavy Duty)	ZF APL 335
Transfer Gearbox Operation	Multiplate Clutch Electrical/Hydraulic Disengagement Engaged by Spring Pressure

885 SPECIFICATIONS**General**

Diesel Engine Model	.....D 268	
Number of Cylinders	..... 4	
Firing Order	..... 1-3-4-2	
Engine Speeds		
Rated	..... 2400 r/min	
Low Idle	..... 700 ± 50 r/min	
Static Timing (BTDC)	..... 16 Degrees	

	U.S Value	Metric Value
Bore	..... .3.937 in	..... 100 mm
Stroke	..... .5.51 in	..... 140 mm
Displacement	..... .268 in ³	..... .4389 cm ³
Valve Clearances (hot)		
Inlet	..... .0.012 in	..... .0.30 mm
Exhaust	..... .0.012 in	..... .0.30 mm

Fuel System

Injection Nozzle Type	..... DLLA 150S 815
Nozzle Holder Type	..... KBEL 84S 4/13

Lubrication System

Crankcase Capacity (including filter)	..... 16.2 UK pints	..... 2.5 U.S gal	..... 9.5 litre
Oil Pressure	..... .40 to 60 psi	..... 275 to 414 kPa	

Cooling System

Cooling System Capacity (including Heater) 24 UK pints 2.5 U.S gal 13.7 litre
---	-------------------	-------------------	------------------

Drawbar Heights

Swinging Drawbar Top	..... 18 in	..... 454 mm
Automatic Hitch Drawbar	..... 20.7 in	..... 525 mm
Automatic Hitch Hook	..... 17.1 in	..... 434 mm

Power Take Off

PTO rev/min at Rated Engine Speed		
Upper Shaft	..... 606	
Lower Shaft	..... 1096	
Engine Speed at 540 PTO r/min		
Upper Shaft	..... 2140	
Engine Speed at 1000 PTO r/min		
Lower Shaft	..... 2190	

Maximum Static Loadings

	U.S Value	Metric Value
Axles Off Road Operations		
2WD Front Axle, at 1530 mm (60 in) Tread	6172 lb	2800 kg
2WD Front Axle, at Maximum Tread	3527 lb	1600 kg
APL330 MFD Axle, at 1694 mm (67 in) Tread	5732 lb	2600 kg
APL330 MFD Axle, at Maximum Tread	4409 lb	2000 kg
APL335 MFD Axle, at 1694 mm (67 in) Tread	6084 lb	2760 kg
APL335 MFD Axle, at Maximum Tread	4409 lb	2000 kg
Rear Axle, at 1530 mm (60 in) Tread	11 023 lb	5000 kg
Rear Axle, at Maximum Tread	7275 lb	3300 kg
Drawbars		
Swinging and Auto 2000 lb	908 kg	
Auto Hitch	5000 lb	2270 kg

Maximum Permitted Weights

For Road Operations		
Front Axle 2WD	3086 lb	1400 kg
Front Axle MFD	3527 lb	1600 kg
Rear Axle	10 582 lb	4800 kg
Total Tractor Weight	12 125 lb	5500 kg

Hydraulic System

Pump Output at Rated Engine Speed of 2400 r/min		
With 27 Tooth Drive Gear	11 UK or 13.2 U.S gal min	50.8 litre min
With 23 Tooth Drive Gear	13 UK or 15.6 U.S gal min	59.5 litre min
With 20 Tooth Drive Gear	15 UK or 18 U.S gal min	68.6 litre min
Lift Capacity with Lower links horizontal		
	4400 lb	2000 kg
With assister ram		
	5250 lb	2380 kg
Through range of 680 mm (27 in)		
	3600 lb	1633 kg
With assister ram		
	4800 lb	2180 kg
Lower link length (XL Tractor)	33 in	839 mm
Lower link length (Non XL Tractor)	32 in	813 mm

Mechanical Front Drive (M.F.D.)

Axle Type (Standard)	ZF APL 330
(Heavy Duty)	ZF APL 335
Transfer Gearbox Operation	Multiplate Clutch Electrical/Hydraulic Disengagement Engaged by Spring Pressure

TRAVEL SPEEDS

385 2WD Tractor with AR Type Transmission

See Tractor Serial Numbers for type of transmission fitted. Speeds are calculated with engine operating at the rated speed of 2200 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.880.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		12.4-32 and 14.9-28		12.4-36	
RADIUS INDEX		640 mm (25.2 in)		690 mm (27.1 in)	
GEAR		PS	DD	PS	DD
LOW 1	K.P.H.	2.13	2.57	2.30	2.77
	M.P.H.	1.32	1.59	1.42	1.72
LOW 2	K.P.H.	2.93	3.54	3.16	3.82
	M.P.H.	1.82	2.19	1.96	2.37
LOW 3	K.P.H.	4.20	5.07	4.53	5.47
	M.P.H.	2.60	3.15	2.81	3.39
LOW 4	K.P.H.	5.69	6.86	6.13	7.40
	M.P.H.	3.53	4.26	3.80	4.59
HIGH 1	K.P.H.	6.93	8.36	7.47	9.01
	M.P.H.	4.30	5.19	4.64	5.59
HIGH 2	K.P.H.	9.52	11.48	10.26	12.38
	M.P.H.	5.91	7.13	6.37	7.69
HIGH 3	K.P.H.	13.65	16.47	14.72	17.76
	M.P.H.	8.48	10.23	9.14	11.03
HIGH 4	K.P.H.	18.46	22.27	19.90	24.01
	M.P.H.	11.47	13.83	12.36	14.91
REV 1	K.P.H.	3.20	3.86	3.45	4.16
	M.P.H.	1.98	2.39	2.14	2.58
REV 2	K.P.H.	4.40	5.31	4.74	5.72
	M.P.H.	2.73	1.43	2.94	3.55
REV 3	K.P.H.	6.31	7.61	6.80	8.20
	M.P.H.	3.92	4.72	4.22	5.95
REV 4	K.P.H.	8.53	10.29	9.20	11.09
	M.P.H.	5.30	6.39	5.71	6.89

TRAVEL SPEEDS

385 2WD Tractor with AS Type Transmission

See Tractor Serial Numbers for type of transmission fitted Speeds are calculated with engine operating at the rated speed of 2200 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.880.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		12.4-32 and 14.9-28		12.4-36	
RADIUS INDEX		640 mm (25.2 in)		690 mm (27.1 in)	
GEAR		PS	DD	PS	DD
LOW 1	K.P.H.	2.58	3.12	2.78	3.36
	M.P.H.	1.60	1.93	1.72	2.08
LOW 2	K.P.H.	3.55	4.29	3.83	4.63
	M.P.H.	2.20	2.66	2.10	2.87
LOW 3	K.P.H.	5.09	6.15	5.49	6.63
	M.P.H.	3.16	3.82	3.41	4.11
LOW 4	K.P.H.	6.90	8.32	7.44	8.97
	M.P.H.	4.28	5.16	4.62	5.57
HIGH 1	K.P.H.	8.40	10.14	9.06	10.93
	M.P.H.	5.21	6.30	5.62	6.79
HIGH 2	K.P.H.	11.54	13.92	12.44	15.01
	M.P.H.	7.17	8.64	7.73	9.32
HIGH 3	K.P.H.	16.55	19.97	17.84	21.53
	M.P.H.	10.28	12.40	11.08	13.37
HIGH 4	K.P.H.	22.38	27.00	24.13	29.11
	M.P.H.	13.90	16.77	14.99	18.08
REV 1	K.P.H.	3.88	4.68	4.18	5.05
	M.P.H.	2.41	2.90	2.59	3.13
REV 2	K.P.H.	5.33	6.44	5.75	6.94
	M.P.H.	3.31	4.00	3.57	4.31
REV 3	K.P.H.	7.65	9.23	8.25	9.95
	M.P.H.	4.75	5.73	5.12	6.18
REV 4	K.P.H.	10.34	12.48	11.15	13.46
	M.P.H.	6.42	7.75	6.92	8.36

TRAVEL SPEEDS**385 2WD Tractor with BR Type Transmission**

See Tractor Serial Numbers for type of transmission fitted Speeds are calculated with engine operating at the rated speed of 2200 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.880.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		12.4-32 and 14.9-28		12.4-36	
RADIUS INDEX		640 mm (25.2 in)		690 mm (27.1 in)	
GEAR		PS	DD	PS	DD
LOW 1	K.P.H.	2.19	2.65	2.36	2.86
	M.P.H.	1.36	1.64	1.46	1.77
LOW 2	K.P.H.	3.56	4.29	3.84	4.63
	M.P.H.	2.21	2.66	2.38	2.87
LOW 3	K.P.H.	4.82	5.81	5.20	6.26
	M.P.H.	2.99	3.61	2.23	3.88
LOW 4	K.P.H.	6.19	7.47	6.67	8.05
	M.P.H.	3.84	4.64	4.14	5.00
HIGH 1	K.P.H.	8.40	10.14	9.06	10.93
	M.P.H.	5.21	6.30	5.62	6.79
HIGH 2	K.P.H.	13.66	16.47	14.73	17.76
	M.P.H.	8.48	10.23	9.15	11.03
HIGH 3	K.P.H.	18.46	22.26	19.90	24.00
	M.P.H.	11.47	13.83	12.36	14.91
HIGH 4	K.P.H.	23.74	28.36	25.59	30.58
	M.P.H.	14.75	17.62	15.90	19.00
REV 1	K.P.H.	2.63	3.17	2.84	3.42
	M.P.H.	1.63	1.96	1.76	2.12
REV 2	K.P.H.	4.27	5.16	4.60	5.56
	M.P.H.	2.65	3.20	2.85	3.45
REV 3	K.P.H.	5.78	6.97	6.23	7.51
	M.P.H.	3.59	4.33	3.87	4.66
REV 4	K.P.H.	7.43	8.97	8.01	9.67
	M.P.H.	4.61	5.57	4.97	6.00

TRAVEL SPEEDS

485 2WD Tractor with AR Type Transmission

See Tractor Serial Numbers for type of transmission fitted. Speeds are calculated with engine operating at the rated speed of 2180 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.888.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		12.4-32 and 14.9-28		12.4-36	
RADIUS INDEX		640 mm (25.2 in)		690 mm (27.1 in)	
GEAR		PS	DD	PS	DD
LOW 1	K.P.H.	2.12	2.55	2.29	2.75
	M.P.H.	1.31	1.58	1.42	1.70
LOW 2	K.P.H.	2.91	3.50	3.14	3.77
	M.P.H.	1.80	2.17	1.95	2.34
LOW 3	K.P.H.	4.17	5.03	4.50	5.42
	M.P.H.	2.59	3.12	2.79	3.36
LOW 4	K.P.H.	5.64	6.80	6.08	7.33
	M.P.H.	3.50	4.22	3.77	4.55
HIGH 1	K.P.H.	6.86	8.28	7.40	8.93
	M.P.H.	4.26	5.14	4.59	5.54
HIGH 2	K.P.H.	9.43	11.37	10.17	12.26
	M.P.H.	5.85	7.06	6.31	7.61
HIGH 3	K.P.H.	13.55	16.34	14.61	17.62
	M.P.H.	8.42	10.15	9.07	10.94
HIGH 4	K.P.H.	18.30	22.06	19.73	23.78
	M.P.H.	11.37	13.70	12.25	14.77
REV 1	K.P.H.	3.17	3.83	3.42	4.13
	M.P.H.	1.96	2.37	2.12	2.56
REV 2	K.P.H.	4.36	5.26	4.70	5.67
	M.P.H.	2.72	3.26	2.92	3.52
REV 3	K.P.H.	6.25	7.54	6.74	8.13
	M.P.H.	3.88	4.68	4.18	5.05
REV 4	K.P.H.	8.46	10.20	9.12	11.00
	M.P.H.	5.25	6.33	5.66	6.83

TRAVEL SPEEDS**485 2WD Tractor with AS Type Transmission**

See Tractor Serial Numbers for type of transmission fitted Speeds are calculated with engine operating at the rated speed of 2180 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.888.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		12.4-32		12.4-36		13.6-36	
RADIUS INDEX		640 mm (25.2 in)		690 mm (27.1 in)		715 mm (28.1 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.57	3.09	2.77	3.33	2.86	3.45
	M.P.H.	1.59	1.92	1.72	2.06	1.77	2.14
LOW 2	K.P.H.	3.53	4.24	3.81	4.57	3.93	4.74
	M.P.H.	2.19	2.63	2.36	2.83	2.44	2.94
LOW 3	K.P.H.	5.06	6.10	5.46	6.58	5.65	6.81
	M.P.H.	3.14	3.79	3.39	4.08	3.51	4.23
LOW 4	K.P.H.	6.84	8.24	7.37	8.88	7.63	9.20
	M.P.H.	4.25	5.12	4.57	5.51	4.74	5.71
HIGH 1	K.P.H.	8.32	10.04	8.97	10.82	9.29	11.21
	M.P.H.	5.16	6.23	5.57	6.72	5.77	6.96
HIGH 2	K.P.H.	11.43	13.79	12.32	14.87	12.77	15.44
	M.P.H.	7.10	8.56	7.65	9.24	7.93	9.59
HIGH 3	K.P.H.	16.43	19.81	17.71	21.36	18.32	22.10
	M.P.H.	10.20	12.30	11.00	13.27	11.38	13.73
HIGH 4	K.P.H.	22.19	26.75	23.92	28.84	24.77	29.87
	M.P.H.	13.78	16.62	14.86	17.92	15.39	18.56
REV 1	K.P.H.	3.84	4.64	4.14	5.00	4.30	5.18
	M.P.H.	2.38	2.88	2.57	3.10	2.67	3.21
REV 2	K.P.H.	5.29	6.38	5.70	6.88	5.90	7.12
	M.P.H.	3.28	3.96	3.54	4.27	3.66	4.42
REV 3	K.P.H.	7.58	9.14	8.17	9.85	8.47	10.21
	M.P.H.	4.71	5.67	5.07	6.12	5.26	6.34
REV 4	K.P.H.	10.26	12.37	11.06	13.34	11.45	13.81
	M.P.H.	6.37	7.68	6.87	8.28	7.11	8.58

TRAVEL SPEEDS

485 2WD Tractor with BR Type Transmission

See Tractor Serial Numbers for type of transmission fitted. Speeds are calculated with engine operating at the rated speed of 2180 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.888.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		12.4-32		12.4-36		16.9-30	
RADIUS INDEX		640 mm (25.2 in)		690 mm (27.1 in)		695 mm (27.3 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.17	2.63	2.34	2.84	2.37	2.84
	M.P.H.	1.34	1.63	1.45	1.76	1.47	1.76
LOW 2	K.P.H.	3.53	4.25	3.81	4.58	3.83	4.62
	M.P.H.	2.19	2.64	2.36	2.84	2.37	2.87
LOW 3	K.P.H.	4.78	5.76	5.15	6.21	5.18	6.25
	M.P.H.	2.97	3.57	3.20	3.85	3.21	3.88
LOW 4	K.P.H.	6.13	7.40	6.61	7.98	6.66	8.04
	M.P.H.	3.80	4.59	4.10	4.95	4.13	4.99
HIGH 1	K.P.H.	8.32	10.05	8.97	10.84	9.04	10.91
	M.P.H.	5.16	6.24	5.57	6.73	5.61	6.77
HIGH 2	K.P.H.	13.54	16.32	14.60	17.60	14.69	17.71
	M.P.H.	8.41	10.14	9.07	10.93	9.12	11.00
HIGH 3	K.P.H.	18.29	22.06	19.72	23.78	19.86	23.95
	M.P.H.	11.36	13.70	12.25	14.77	12.34	14.88
HIGH 4	K.P.H.	23.52	28.37	25.36	30.59	25.53	30.79
	M.P.H.	14.61	17.62	15.75	19.00	15.86	19.13
REV 1	K.P.H.	2.61	3.14	2.81	3.39	2.83	3.41
	M.P.H.	1.62	1.95	1.74	2.10	1.75	2.11
REV 2	K.P.H.	4.23	5.11	4.56	5.51	4.60	5.55
	M.P.H.	2.62	3.17	2.83	3.42	2.85	3.44
REV 3	K.P.H.	5.73	6.91	6.18	7.45	6.22	7.50
	M.P.H.	3.56	4.29	3.80	4.62	3.86	4.66
REV 4	K.P.H.	7.36	8.89	7.94	9.58	7.99	9.64
	M.P.H.	4.57	5.52	4.93	5.95	4.96	5.99

TRAVEL SPEEDS**485 2WD or MFD Tractor with BT Type Transmission**

See Tractor Serial Numbers for type of transmission fitted Speeds are calculated with engine operating at the rated speed of 2180 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.888.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		12.4-32		16.9-30		13.6-36	
RADIUS INDEX		640 mm (25.2 in)		695 mm (27.1 in)		715 mm (27.3 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.17	2.63	2.34	2.84	2.37	2.84
	M.P.H.	1.34	1.63	1.45	1.76	1.47	1.76
LOW 2	K.P.H.	3.53	4.25	3.81	4.58	3.83	4.62
	M.P.H.	2.19	2.64	2.36	2.84	2.37	2.87
LOW 3	K.P.H.	4.78	5.76	5.15	6.21	5.18	6.25
	M.P.H.	2.97	3.57	3.20	3.85	3.21	3.88
LOW 4	K.P.H.	6.13	7.40	6.61	7.98	6.66	8.04
	M.P.H.	3.80	4.59	4.10	4.95	4.13	4.99
HIGH 1	K.P.H.	8.32	10.05	8.97	10.84	9.04	10.91
	M.P.H.	5.16	6.24	5.57	6.73	5.61	6.77
HIGH 2	K.P.H.	13.54	16.32	14.60	17.60	14.69	17.71
	M.P.H.	8.41	10.14	9.07	10.93	9.12	11.00
HIGH 3	K.P.H.	18.29	22.06	19.72	23.78	19.86	23.95
	M.P.H.	11.36	13.70	12.25	14.77	12.34	14.88
HIGH 4	K.P.H.	23.52	28.37	25.36	30.59	25.53	30.79
	M.P.H.	14.61	17.62	15.75	19.00	15.86	19.13
REV 1	K.P.H.	2.61	3.14	2.81	3.39	2.83	3.41
	M.P.H.	1.62	1.95	1.74	2.10	1.75	2.11
REV 2	K.P.H.	4.23	5.11	4.56	5.51	4.60	5.55
	M.P.H.	2.62	3.17	2.83	3.42	2.85	3.44
REV 3	K.P.H.	5.73	6.91	6.18	7.45	6.22	7.50
	M.P.H.	3.56	4.29	3.80	4.62	3.86	4.66
REV 4	K.P.H.	7.36	8.89	7.94	9.58	7.99	9.64
	M.P.H.	4.57	5.52	4.93	5.95	4.96	5.99

TRAVEL SPEEDS

585 2WD Tractor with AR Type Transmission

See Tractor Serial Numbers for type of transmission fitted. Speeds are calculated with engine operating at the rated speed of 2300 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.930.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		14.9-28		16.9-30		13.6-38	
RADIUS INDEX		640 mm (25.2 in)		695 mm (27.3 in)		740 mm (29.1 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.23	2.69	2.42	2.92	2.58	3.11
	M.P.H.	1.38	1.67	1.50	1.81	1.60	1.93
LOW 2	K.P.H.	3.06	3.69	3.33	4.01	3.54	4.27
	M.P.H.	1.90	2.29	2.06	2.49	2.19	2.65
LOW 3	K.P.H.	4.40	5.31	4.78	5.76	5.08	6.13
	M.P.H.	2.73	3.29	2.97	3.79	3.15	3.80
LOW 4	K.P.H.	5.95	7.17	6.46	7.79	6.87	8.29
	M.P.H.	3.69	4.45	4.01	4.84	4.26	5.15
HIGH 1	K.P.H.	7.24	8.74	7.86	9.48	8.37	10.10
	M.P.H.	4.49	5.43	4.88	5.89	5.20	6.27
HIGH 2	K.P.H.	9.95	12.00	10.80	13.02	11.50	13.87
	M.P.H.	6.18	7.45	6.71	8.09	7.14	8.61
HIGH 3	K.P.H.	14.28	17.22	15.52	18.72	16.52	19.93
	M.P.H.	8.87	10.70	9.64	11.63	10.26	12.38
HIGH 4	K.P.H.	19.30	23.28	20.95	25.27	22.31	26.90
	M.P.H.	11.99	14.46	13.01	15.70	13.86	16.71
REV 1	K.P.H.	3.35	4.04	3.63	4.38	3.87	4.67
	M.P.H.	2.08	2.51	2.25	2.72	2.40	2.90
REV 2	K.P.H.	4.60	5.55	4.99	6.02	5.32	6.41
	M.P.H.	2.85	3.44	3.10	3.74	3.30	3.98
REV 3	K.P.H.	6.60	7.96	7.16	8.64	7.63	9.20
	M.P.H.	4.10	4.94	4.44	5.36	4.74	5.71
REV 4	K.P.H.	8.92	10.76	9.69	11.68	10.31	12.44
	M.P.H.	5.54	6.68	6.02	7.25	6.40	7.73

TRAVEL SPEEDS**585 2WD Tractor with BR Type Transmission**

See Tractor Serial Numbers for type of transmission fitted Speeds are calculated with engine operating at the rated speed of 2300 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.930.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		14.9-28		12.4-36		13.6-36	
RADIUS INDEX		640 mm (25.2 in)		690 mm (27.1 in)		715 mm (28.1 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.29	2.76	2.47	2.98	2.56	3.08
	M.P.H.	1.42	1.71	1.53	1.85	1.59	1.91
LOW 2	K.P.H.	3.72	4.49	4.01	4.84	4.16	5.02
	M.P.H.	2,31	2,79	2.49	3.00	2.58	3.11
LOW 3	K.P.H.	5.04	6.08	5.43	6.55	5.63	6.79
	M.P.H.	3.13	3.77	3.37	4.07	3.49	4.21
LOW 4	K.P.H.	6.47	7.81	6.98	8.42	7.23	8.73
	M.P.H.	4.02	4.85	4.33	5.23	4.49	5.42
HIGH 1	K.P.H.	8.78	10.59	9.47	11.42	9.81	11.83
	M.P.H.	5.45	6.58	5.88	7.09	6.09	7.35
HIGH 2	K.P.H.	14.28	17.22	15.40	18.56	15.95	19.24
	M.P.H.	8.87	10.70	9.56	11.53	9.91	11.95
HIGH 3	K.P.H.	19.29	23.27	20.80	25.09	21.55	26.00
	M.P.H.	11.98	14.45	12.92	15.59	13.,39	16.15
HIGH 4	K.P.H.	24.81	29.93	26.75	32.27	27.72	33.44
	M.P.H.	15.41	18.59	16.62	20.05	17.22	20.77
REV 1	K.P.H.	2.75	3.31	2.96	3.57	3.07	3.70
	M.P.H.	1.70	2.05	1.83	2.21	1.90	2.29
REV 2	K.P.H.	4.47	5.39	4.82	5.81	4.99	6.02
	M.P.H.	2.77	3.34	2.99	3.61	3.10	3.74
REV 3	K.P.H.	6.04	7.29	6.51	7.86	6.75	8.14
	M.P.H.	3.75	4.52	4.04	4.88	4.19	5.06
REV 4	K.P.H.	7.77	9.37	8.38	10.10	8.68	10.47
	M.P.H.	4.82	5.82	5.20	6.27	5.39	6.50

TRAVEL SPEEDS

585 2WD or MFD Tractor with BT Type Transmission

See Tractor Serial Numbers for type of transmission fitted. Speeds are calculated with engine operating at the rated speed of 2300 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.930.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		14.9-28		16.9-30		13.6-36	
RADIUS INDEX		640 mm (25.1 in)		695 mm (27.3 in)		715 mm (28.1 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.14	2.59	2.33	2.80	2.39	2.89
	M.P.H.	1.32	1.60	1.44	1.73	1.48	1.79
LOW 2	K.P.H.	3.48	4.20	3.78	4.56	3.89	4.69
	M.P.H.	2.16	2.60	2.34	2.83	2.41	2.91
LOW 3	K.P.H.	4.70	5.68	5.11	6.16	5.25	6.34
	M.P.H.	2.92	3.52	3.17	3.82	3.26	3.93
LOW 4	K.P.H.	6.05	7.30	6.57	7.93	6.76	8.16
	M.P.H.	3.75	4.53	4.08	4.92	4.20	5.07
HIGH 1	K.P.H.	8.21	9.90	8.91	10.75	9.17	11.06
	M.P.H.	5.10	6.15	5.53	6.67	5.69	6.87
HIGH 2	K.P.H.	13.34	16.07	14.48	17.46	14.90	17.96
	M.P.H.	8.28	9.98	8.99	10.84	9.25	11.16
HIGH 3	K.P.H.	18.03	21.74	19.58	23.61	20.14	24.29
	M.P.H.	11.20	13.50	12.16	14.67	12.51	15.09
HIGH 4	K.P.H.	23.18	27.98	25.17	30.38	25.90	31.26
	M.P.H.	14.40	17.38	15.64	18.87	16.09	19.42
REV 1	K.P.H.	2.57	3.10	2.79	3.37	2.87	3.46
	M.P.H.	1.59	1.92	1.73	2.09	1.78	2.15
REV 2	K.P.H.	4.18	5.03	4.53	5.47	4.67	5.62
	M.P.H.	2.59	3.12	2.81	3.39	2.90	3.49
REV 3	K.P.H.	5.64	6.80	6.13	7.39	6.30	7.60
	M.P.H.	3.50	4.22	3.80	4.59	3.91	4.72
REV 4	K.P.H.	7.26	8.77	7.88	9.51	8.11	9.79
	M.P.H.	4.51	5.44	4.89	5.90	5.03	6.08

TRAVEL SPEEDS**585 2WD or MFD Tractor with DT Type Transmission**

See Tractor Serial Numbers for type of transmission fitted. Speeds are calculated with engine operating at the rated speed of 2300 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.930.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		12.4-36		13.6-36		13.6-38	
RADIUS INDEX		690 mm (27.1 in)		715 mm (28.1 in)		740 mm (29.1 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.05	2.47	2.12	2.55	2.19	2.64
	M.P.H.	1.27	1.53	1.31	1.58	1.36	1.64
LOW 2	K.P.H.	3.02	3.64	3.12	3.78	3.23	3.91
	M.P.H.	1.87	2.26	1.93	2.34	2.00	2.42
LOW 3	K.P.H.	4.33	5.22	4.48	5.22	4.64	5.60
	M.P.H.	2.69	3.24	2.78	3.24	2.88	3.47
LOW 4	K.P.H.	5.84	7.07	6.06	7.32	6.27	7.58
	M.P.H.	3.62	4.39	3.76	4.54	3.89	4.71
HIGH 1	K.P.H.	6.83	8.23	7.07	8.52	7.32	8.82
	M.P.H.	4.24	5.22	4.39	5.29	4.54	5.48
HIGH 2	K.P.H.	10.02	12.08	10.38	12.51	10.74	12.95
	M.P.H.	6.22	7.50	6.45	7.77	6.67	8.04
HIGH 3	K.P.H.	14.37	17.33	14.89	17.97	15.41	18.60
	M.P.H.	8.92	10.76	9.25	11.16	9.57	11.55
HIGH 4	K.P.H.	19.42	23.44	20.13	24.30	20.83	25.15
	M.P.H.	12.06	14.56	12.50	15.09	12.94	15.62
REV 1	K.P.H.	3.08	3.70	3.20	3.84	3.31	3.97
	M.P.H.	1.91	2.29	1.98	2.38	2.05	2.46
REV 2	K.P.H.	4.52	5.44	4.68	5.64	4.84	5.84
	M.P.H.	2.80	3.38	2.90	3.50	3.00	3.62
REV 3	K.P.H.	6.49	7.82	6.72	8.10	6.95	8.38
	M.P.H.	4.03	4.85	4.17	5.03	4.31	5.20
REV 4	K.P.H.	8.76	10.58	9.07	10.96	9.39	11.34
	M.P.H.	5.44	6.57	5.63	6.81	5.83	7.04

TRAVEL SPEEDS

685 2WD or MFD Tractor with BT Type Transmission

See Tractor Serial Numbers for type of transmission fitted Speeds are calculated with engine operating at the rated speed of 2300 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.930.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		16.9-30		13.6-36		18.4-30	
RADIUS INDEX		695 mm (27.3 in)		715 mm (28.1 in)		720 mm (28.3 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.32	2.81	2.39	2.89	2.41	2.91
	M.P.H.	1.44	1.74	1.48	1.79	1.49	1.80
LOW 2	K.P.H.	3.78	4.56	3.89	4.69	3.91	4.72
	M.P.H.	2.34	2.83	2.41	2.91	2.42	2.93
LOW 3	K.P.H.	5.10	6.16	5.25	6.34	5.29	6.38
	M.P.H.	3.16	3.82	3.26	3.93	3.28	3.96
LOW 4	K.P.H.	6.57	7.93	6.76	8.16	6.80	8.21
	M.P.H.	4.08	4.92	4.20	5.07	4.22	5.10
HIGH 1	K.P.H.	8.91	10.75	9.17	11.06	9.24	11.14
	M.P.H.	5.53	6.67	5.69	6.87	5.74	6.92
HIGH 2	K.P.H.	14.48	17.46	14.90	17.96	15.00	18.09
	M.P.H.	8.99	10.84	9.25	11.16	9.32	11.24
HIGH 3	K.P.H.	19.58	23.61	20.14	24.29	20.28	24.46
	M.P.H.	12.16	14.67	12.51	15.09	12.60	15.19
HIGH 4	K.P.H.	25.18	30.39	25.90	31.26	26.07	31.48
	M.P.H.	15.64	18.88	16.09	19.42	16.19	19.56
REV 1	K.P.H.	2.79	3.36	2.87	3.46	2.89	3.49
	M.P.H.	1.73	2.08	1.78	2.15	1.79	2.16
REV 2	K.P.H.	4.54	5.46	4.67	5.62	4.70	5.66
	M.P.H.	2.82	3.39	2.90	3.49	2.92	3.51
REV 3	K.P.H.	6.12	7.39	6.30	7.60	6.35	7.66
	M.P.H.	3.80	4.59	3.91	4.72	3.94	4.75
REV 4	K.P.H.	7.88	9.52	8.11	9.79	8.16	9.85
	M.P.H.	4.89	5.91	5.03	6.08	5.07	6.12

TRAVEL SPEEDS**685 2WD or MFD Tractor with DT Type Transmission**

See Tractor Serial Numbers for type of transmission fitted Speeds are calculated with engine operating at the rated speed of 2300 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.930.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE		16.9-30		13.6-36		16.9-34	
RADIUS INDEX		695 mm (27.3 in)		715 mm (28.1 in)		745 mm (29.3 in)	
GEAR		PS	DD	PS	DD	PS	DD
LOW 1	K.P.H.	2.06	2.48	2.12	2.55	2.21	2.67
	M.P.H.	1.28	1.54	1.31	1.58	1.37	1.65
LOW 2	K.P.H.	3.03	3.67	3.12	3.78	3.25	3.92
	M.P.H.	1.88	2.28	1.93	1.95	2.01	2.43
LOW 3	K.P.H.	4.35	5.26	4.48	5.41	4.67	5.63
	M.P.H.	2.70	3.26	2.78	3.36	2.90	3.49
LOW 4	K.P.H.	5.89	7.12	6.06	7.32	6.31	7.61
	M.P.H.	3.65	4.42	3.76	4.54	3.92	4.72
HIGH 1	K.P.H.	6.87	8.28	7.07	8.52	7.37	8.88
	M.P.H.	4.26	5.14	4.39	5.29	4.57	5.51
HIGH 2	K.P.H.	10.09	12.16	10.38	12.51	10.82	13.04
	M.P.H.	6.26	7.55	6.45	7.77	6.72	8.10
HIGH 3	K.P.H.	14.47	17.47	14.89	17.97	15.52	18.72
	M.P.H.	8.99	10.85	9.25	11.16	9.64	11.63
HIGH 4	K.P.H.	19.57	23.62	20.13	24.30	20.98	25.31
	M.P.H.	12.16	14.67	12.50	15.09	13.03	15.72
REV 1	K.P.H.	3.11	3.73	3.20	3.84	3.32	4.01
	M.P.H.	1.93	2.31	1.98	2.38	2.06	2.49
REV 2	K.P.H.	4.55	5.48	4.68	5.64	4.88	5.88
	M.P.H.	2.82	3.40	2.90	3.50	3.03	3.65
REV 3	K.P.H.	6.53	7.87	6.72	8.10	7.00	8.44
	M.P.H.	4.05	4.89	4.17	5.03	4.34	5.24
REV 4	K.P.H.	8.82	10.65	9.07	10.96	9.46	11.41
	M.P.H.	5.48	6.61	5.63	6.81	5.87	7.09

TRAVEL SPEEDS

885 2WD or MFD Tractor with BT Type Transmission

See Tractor Serial Numbers for type of transmission fitted. Speeds are calculated with engine operating at the rated speed of 2400 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.892.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE	12.4-36		16.9-30		13.6-36		
RADIUS INDEX	690 mm (27.1 in)		695 mm (27.3 in)		715 mm (28.1 in)		
GEAR	PS	DD	PS	DD	PS	DD	
LOW 1	K.P.H.	2.41	2.91	2.42	2.93	2.49	3.02
	M.P.H.	1.49	1.80	1.50	1.82	1.54	1.87
LOW 2	K.P.H.	3.91	4.72	3.95	4.76	4.06	4.89
	M.P.H.	2.42	2.93	2.45	2.95	2.52	3.03
LOW 3	K.P.H.	5.29	6.38	5.33	6.43	5.48	6.62
	M.P.H.	3.28	3.96	3.31	3.99	3.40	4.11
LOW 4	K.P.H.	6.80	8.21	6.86	8.28	7.05	8.51
	M.P.H.	4.22	5.10	4.26	5.14	4.38	5.28
HIGH 1	K.P.H.	9.24	11.14	9.30	11.22	9.57	11.54
	M.P.H.	5.74	6.92	5.77	6.97	5.94	7.17
HIGH 2	K.P.H.	15.00	18.09	15.11	18.22	15.55	18.74
	M.P.H.	9.32	11.24	9.38	11.32	9.66	11.64
HIGH 3	K.P.H.	20.28	24.46	20.43	24.64	21.02	25.35
	M.P.H.	12.60	15.19	12.69	15.31	13.06	15.75
HIGH 4	K.P.H.	26.07	31.48	26.27	31.71	27.03	32.62
	M.P.H.	16.19	19.56	16.32	19.70	16.79	20.26
REV 1	K.P.H.	2.89	3.49	2.91	3.51	2.99	3.61
	M.P.H.	1.79	2.16	1.80	2.18	1.85	2.24
REV 2	K.P.H.	4.70	5.66	4.74	5.70	4.87	5.86
	M.P.H.	2.92	3.51	2.94	3.54	3.02	3.64
REV 3	K.P.H.	6.35	7.66	6.39	7.71	6.57	7.93
	M.P.H.	3.94	4.75	3.97	4.79	4.08	4.92
REV 4	K.P.H.	8.16	9.85	8.23	9.93	8.46	10.22
	M.P.H.	5.07	6.12	5.11	6.17	5.25	6.35

TRAVEL SPEEDS**885 2WD or MFD Tractor with DT Type Transmission**

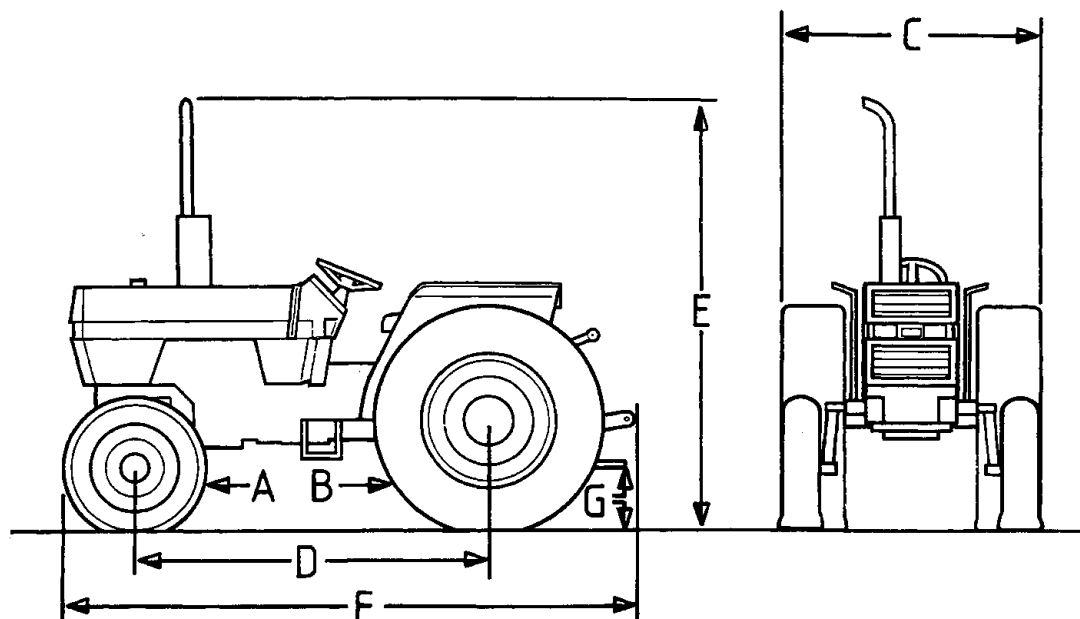
See Tractor Serial Numbers for type of transmission fitted. Speeds are calculated with engine operating at the rated speed of 2400 r/min.

To convert the speeds in the chart to speeds relevant to 540 PTO r/min (upper shaft) multiply by 0.892.

PS = Power Shift DD = Direct Drive

REAR TIRE SIZE	16.9-30		13.6-38		16.9-34		
RADIUS INDEX	695 mm (27.3 in)		740 mm (29.1 in)		745 mm (29.3 in)		
GEAR	PS	DD	PS	DD	PS	DD	
LOW 1	K.P.H.	2.15	2.59	2.29	2.75	2.31	2.79
	M.P.H.	1.33	1.55	1.42	1.70	1.43	1.73
LOW 2	K.P.H.	3.16	3.83	3.37	4.08	3.39	4.09
	M.P.H.	1.96	2.37	2.09	2.53	2.10	2.54
LOW 3	K.P.H.	4.54	5.49	4.84	5.84	4.87	5.87
	M.P.H.	2.82	3.41	3.00	3.40	3.02	3.64
LOW 4	K.P.H.	6.15	7.43	6.54	7.91	6.58	7.94
	M.P.H.	3.82	4.61	4.06	4.91	4.08	4.65
HIGH 1	K.P.H.	7.17	8.64	7.64	9.20	7.69	9.27
	M.P.H.	4.45	5.36	4.74	5.71	4.77	5.76
HIGH 2	K.P.H.	10.53	12.69	11.21	13.51	11.29	13.61
	M.P.H.	6.54	7.88	6.96	8.39	7.01	8.45
HIGH 3	K.P.H.	15.10	18.23	16.08	19.41	16.19	19.53
	M.P.H.	9.38	11.32	9.99	11.43	10.06	12.13
HIGH 4	K.P.H.	20.42	24.65	21.74	26.24	21.90	26.41
	M.P.H.	12.68	15.31	13.50	16.30	13.60	16.41
REV 1	K.P.H.	3.25	3.89	3.45	4.14	3.47	4.18
	M.P.H.	2.01	2.41	2.14	2.57	2.15	2.59
REV 2	K.P.H.	4.75	5.72	5.05	6.09	5.09	6.14
	M.P.H.	2.95	3.55	3.13	3.78	3.16	3.81
REV 3	K.P.H.	6.81	8.21	7.25	8.74	7.30	8.81
	M.P.H.	4.23	5.10	4.50	5.43	4.53	5.47
REV 4	K.P.H.	9.20	11.11	9.80	11.83	9.87	11.91
	M.P.H.	5.71	6.90	6.08	7.35	6.13	7.40

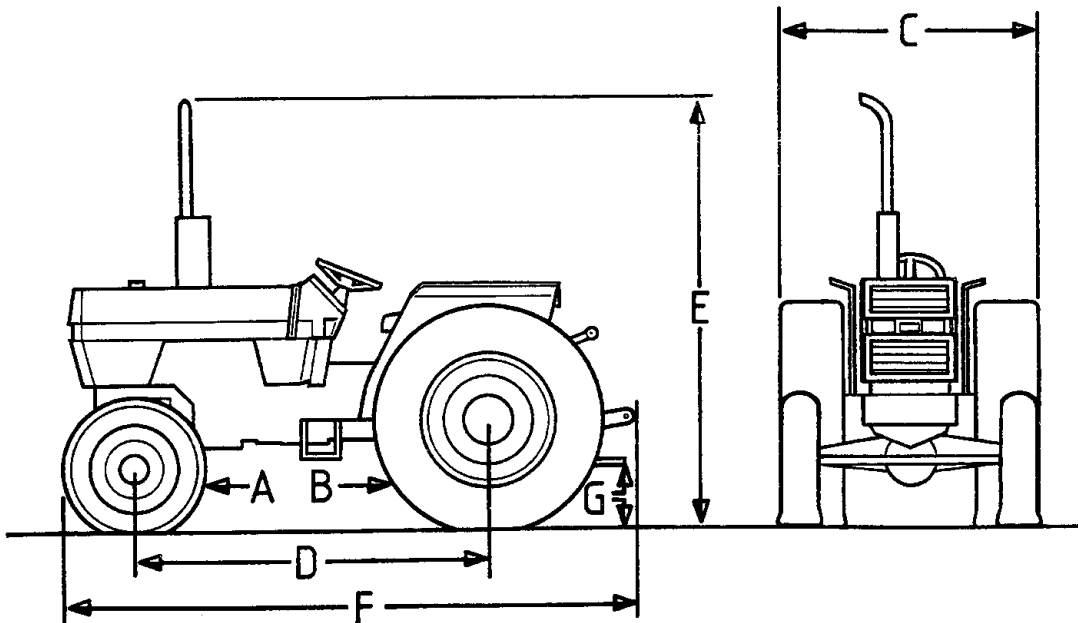
APPROXIMATE MEASUREMENTS 2WD Tractors Without Cab



		385/485	585	685	885
A Front Tire		6.00x16 F2	6.00x16 F2	7.50x16 F2	7.50x16 F2
B Rear Tire		12.4x32 R1	12.4x36 R1	13.6x36 R1	13.6x38 R1
C Width	Max.	2298 mm 90.5 in	2298 mm 90.5 in	2298 mm 90.5 in	2298 mm 90.5 in
	Min.	1790 mm 70.5 in	1790 mm 70.5 in	1790 mm 70.5 in	1790 mm 70.5 in
D Wheel Base		2022 mm 79.6 in	2146 mm 84.5 in	2256 mm 88.8 in	2256 mm 88.8 in
E Height Over Exhaust		2220 mm 87.4 in	2275 mm 89.5 in	2295 mm 90.3 in	2320 mm 91.3 in
F Overall Length		3425 mm 134.8 in	3637 mm 143.2 in	3713 mm 146.2 in	3713 mm 146.2 in
G Minimum Ground Clearance (Under Drawbar)		218 mm 8.6 in	302 mm 11.9 in	305 mm 12 in	335 mm 13.2 in

NOTE: Width will change with tire size and tread setting changes. Height and ground clearance will change with tire size, tire pressure and weight changes.

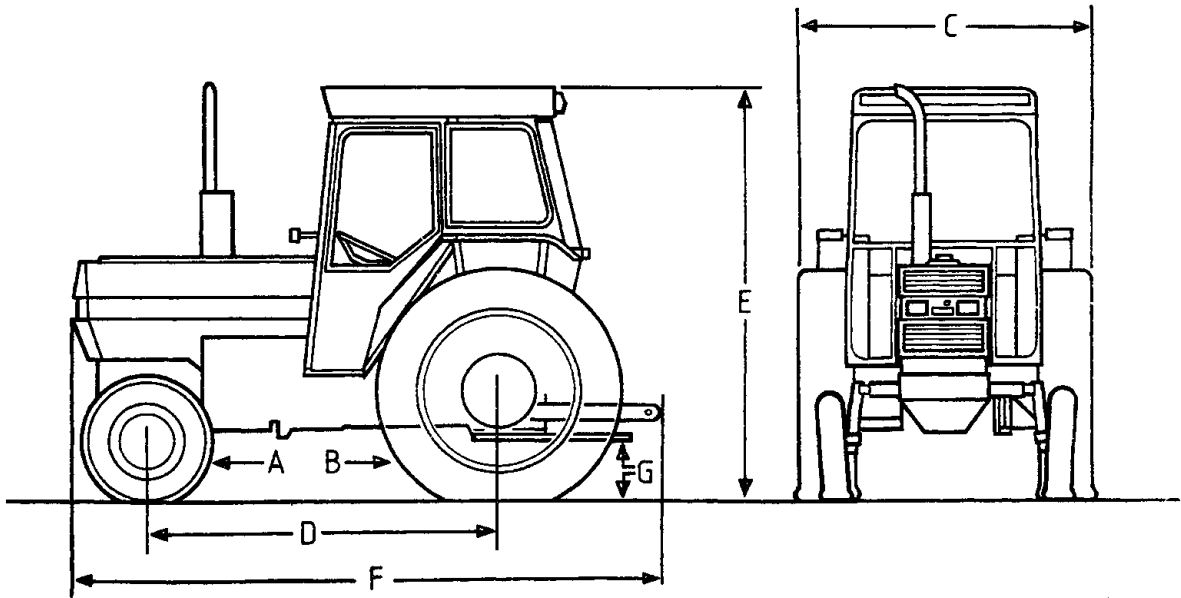
APPROXIMATE MEASUREMENTS MFD Tractors Without Cab



		485	585	685	885
A Front Tire		8.3x24	11.2x24	11.2x24	12.4x24
		R1	R1	R1	R1
B Rear Tire		14.9x28	12.4x36	13.6x36	13.6x38
		R1	R1	R1	R1
C Width	Max.	2298 mm	2298 mm	2298 mm	2298 mm
		90.5 in	90.5 in	90.5 in	90.5 in
	Min.	1822 mm	1822 mm	1822 mm	1822 mm
		71.75 in	71.75 in	71.75 in	71.75 in
D Wheel Base		2115 mm	2235 mm	2235 mm	2235 mm
		83.2 in	88 in	88 in	88 in
E Height Over Exhaust		2216 mm	2265 mm	2295 mm	2320 mm
		87.2 in	89 in	90.3 in	91.3 in
F Overall Length		3600 mm	3813 mm	3813 mm	3813 mm
		141.7 in	150 in	150 in	150 in
G Minimum Ground Clearance (under Transfer Box)		274 mm	334 mm	354 mm	369 mm
		10.8 in	13.2 in	14 in	14.5 in

NOTE: Width will change with tire size and tread setting changes. Height and ground clearance will change with tire size, tire pressure and weight changes.

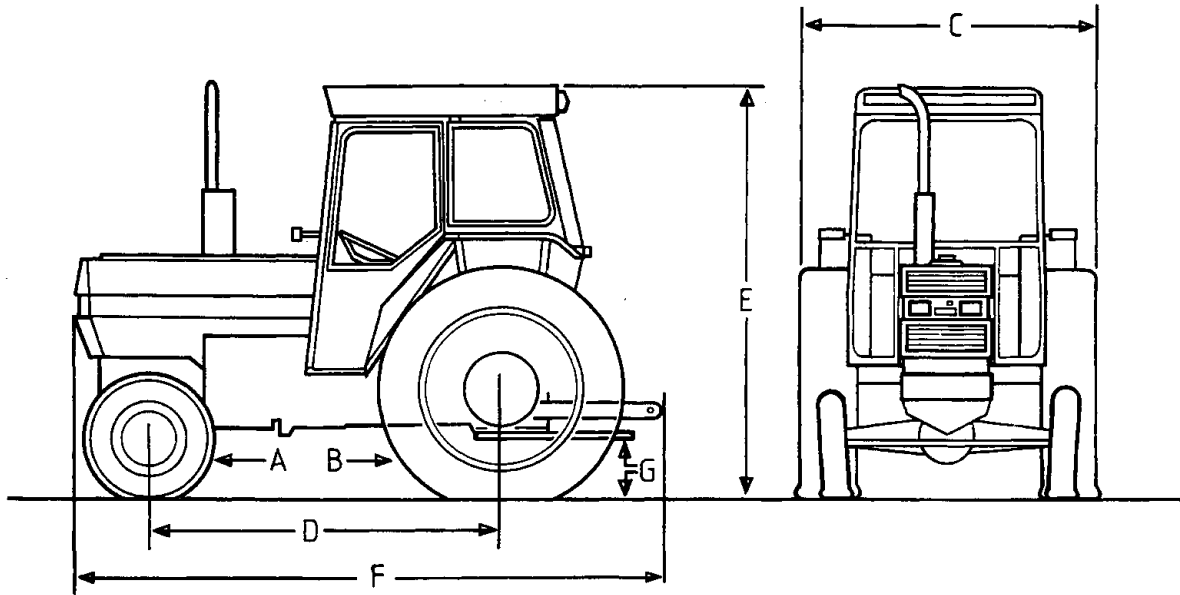
APPROXIMATE MEASUREMENTS 2WD Tractors With L Type Cab



		385/485	585	685	885
A Front Tire		6.00x16	6.00x16	7.50x16	7.50x16
		F2	F2	F2	F2
B Rear Tire		12.4x32	12.4-x6	13.6x36	13.6x38
		R1	R1	R1	R1
C Width	Max.	2298 mm	2298 mm	2298 mm	2298 mm
		90.5 in	90.5 in	90.5 in	90.5 in
	Min.	1790 mm	1790 mm	1790 mm	1790 mm
		70.5 in	70.5 in	70.5 in	70.5 in
D Wheel Base		2022 mm	2146 mm	2256 mm	2256 mm
		79.6 in	84.5 in	88.8 in	88.8 in
E Height Over Cab		2352 mm	2407 mm	2427 mm	3452 mm
		92.6 in	94.7 in	95.5 in	96.5 in
F Overall Length		3425 mm	3637 mm	3713 mm	3713 mm
		134.8 in	143.2 in	146.2 in	146.2 in
G Minimum Ground Clearance (Under Drawbar)		218 mm	302 mm	305 mm	334 mm
		8.6 in	11.9 in	12 in	13.2 in

NOTE: Width will change with tire size and tread setting changes. Height and ground clearance will change with tire size, tire pressure and weight changes.

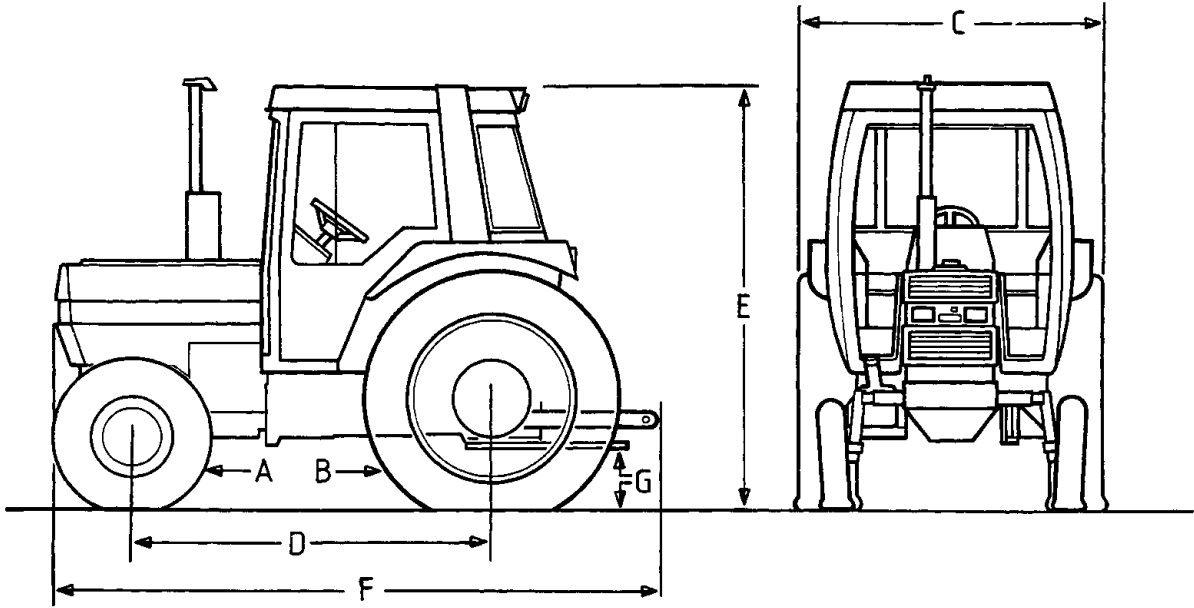
APPROXIMATE MEASUREMENTS MFD Tractors With L Type Cab



		485	585	685	885
A Front Tire		8.3x24	11.2x24	11.2x24	12.4x24
		R1	R1	R1	R1
B Rear Tire		14.9x28	12.4x36	13.6x36	13.6x38
		R1	R1	R1	R1
C Width	Max.	2298 mm	2298 mm	2298 mm	2298 mm
		90.5 in	90.5 in	90.5 in	90.5 in
	Min.	1822 mm	1822 mm	1822 mm	1822 mm
		71.75 in	71.75 in	71.75 in	71.75 in
D Wheel Base		2115 mm	2235 mm	2235 mm	2235 mm
		83.2 in	88 in	88 in	88 in
E Height Over Cab		2347 mm	2407 mm	2427 mm	2452 mm
		92.4 in	94.7 in	95.5 in	96.5 in
F Overall Length		3600 mm	3813 mm	3813 mm	3813 mm
		141.7 in	150 in	150 in	150 in
G Minimum Ground Clearance (under Transfer Box)		274 mm	334 mm	354 mm	369 mm
		10.8 in	13.2 in	14 in	14.5 in

NOTE: Width will change with tire size and tread setting changes. Height and ground clearance will change with tire size, tire pressure and weight changes.

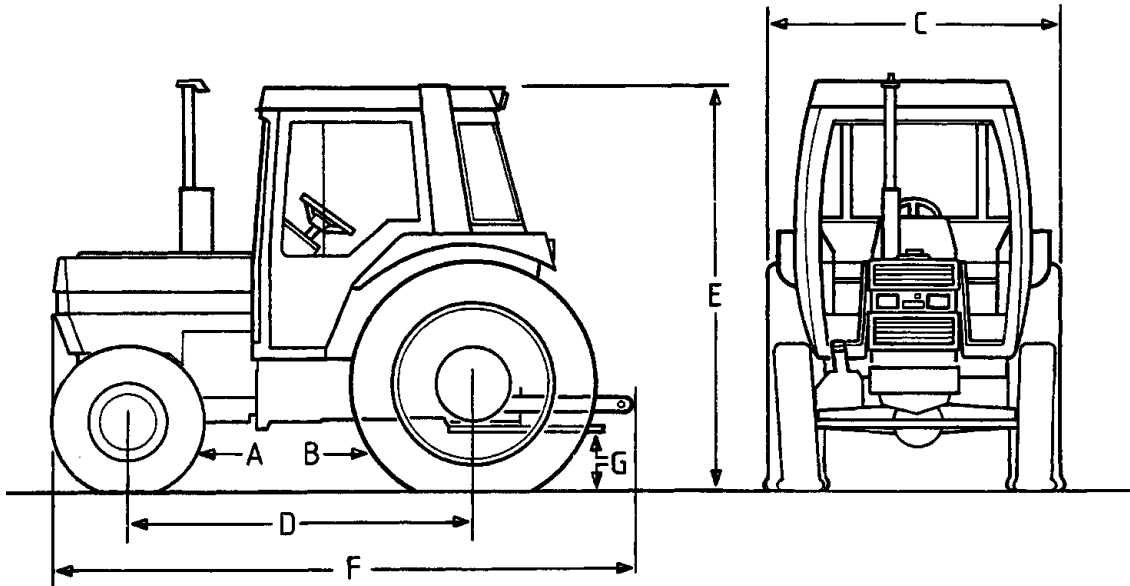
APPROXIMATE MEASUREMENTS 2WD Tractors With XL Type Cab



		385/485	585	685	885
A Front Tire		6.00x16	6.00x16	7.50x16	7.50x16
		F2	F2	F2	F2
B Rear Tire		12.4x32	12.4x36	13.6x36	13.6x38
		R1	R1	R1	R1
C Width	Max.	2298 mm 90.5 in	2298 mm 90.5 in	2298 mm 90.5 in	2298 mm 90.5 in
	Min.	1790 mm 70.5 in	1790 mm 70.5 in	1790 mm 70.5 in	1790 mm 70.5 in
D Wheel Base		2022 mm 79.6 in	2146 mm 84.5 in	2256 mm 88.8 in	2256 mm 88.8 in
		2500 mm 98.4 in	2555 mm 100.5 in	2575 mm 101.3 in	2600 mm 102.3 in
E Height Over Cab		3425 mm 134.8 in	3637 mm 143.2 in	3713 mm 146.2 in	3713 mm 146.2 in
		218 mm 8.6 in	302 mm 11.9 in	305 mm 12 in	334 mm 13.2 in
F Overall Length		218 mm 8.6 in	302 mm 11.9 in	305 mm 12 in	334 mm 13.2 in
		218 mm 8.6 in	302 mm 11.9 in	305 mm 12 in	334 mm 13.2 in
G Minimum Ground Clearance (under Drawbar)		218 mm 8.6 in	302 mm 11.9 in	305 mm 12 in	334 mm 13.2 in

NOTE: Width will change with tire size and tread setting changes. Height and ground clearance will change with tire size, tire pressure and weight changes.

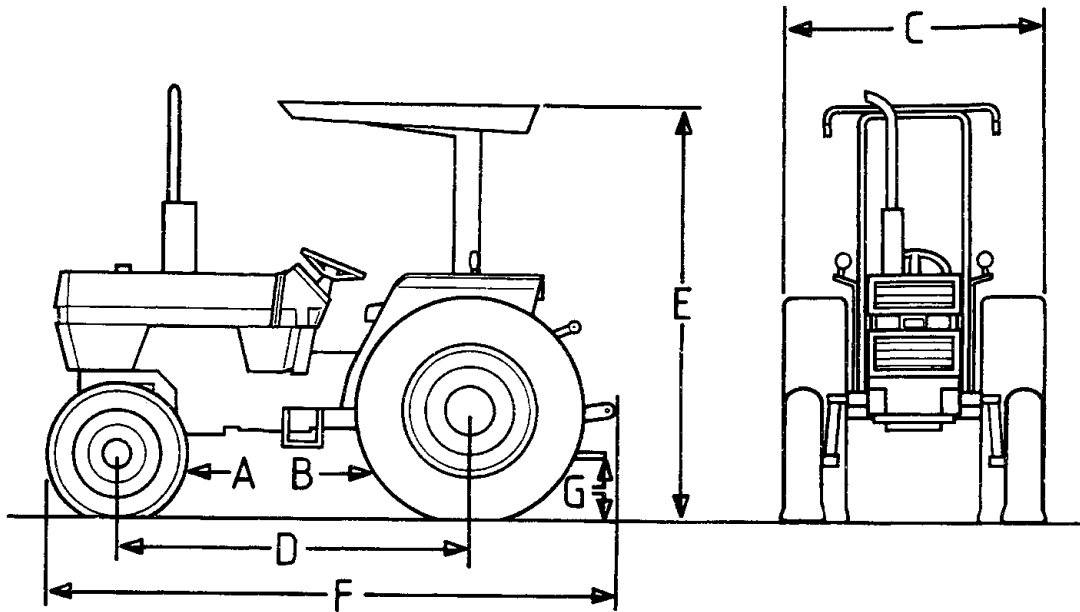
APPROXIMATE MEASUREMENTS MFD Tractors With XL Type Cab



		385/485	585	685	885
A Front Tire		8.3x24	11.2x24	11.2x24	12.4x24
		R1	R1	R1	R1
B Rear Tire		14.9x28	12.4x36	13.6x36	13.6x38
		R1	R1	R1	R1
C Width	Max.	2298 mm	2298 mm	2298 mm	2298 mm
		90.5 in	90.5 in	90.5 in	90.5 in
	Min.	1822 mm	1822 mm	1822 mm	1822 mm
		71.75 in	71.75 in	71.75 in	71.75 in
D Wheel Base		2115 mm	2235 mm	2235 mm	2235 mm
		83.2 in	88 in	88 in	88 in
E Height Over Cab		2347 mm	2407 mm	2427 mm	2452 mm
		98.2 in	100.5 in	101.3 in	102.3 in
F Overall Length		3600 mm	3813 mm	3813 mm	3813 mm
		141.7 in	150 in	150 in	150 in
G Minimum Ground Clearance (under Transfer Box)		274 mm	334 mm	354 mm	369 mm
		10.8 in	13.2 in	14 in	14.5 in

NOTE: Width will change with tire size and tread setting changes. Height and ground clearance will change with tire size, tire pressure and weight changes

APPROXIMATE MEASUREMENTS Row Crop ROPS Tractors 2WD and MFD (North America)

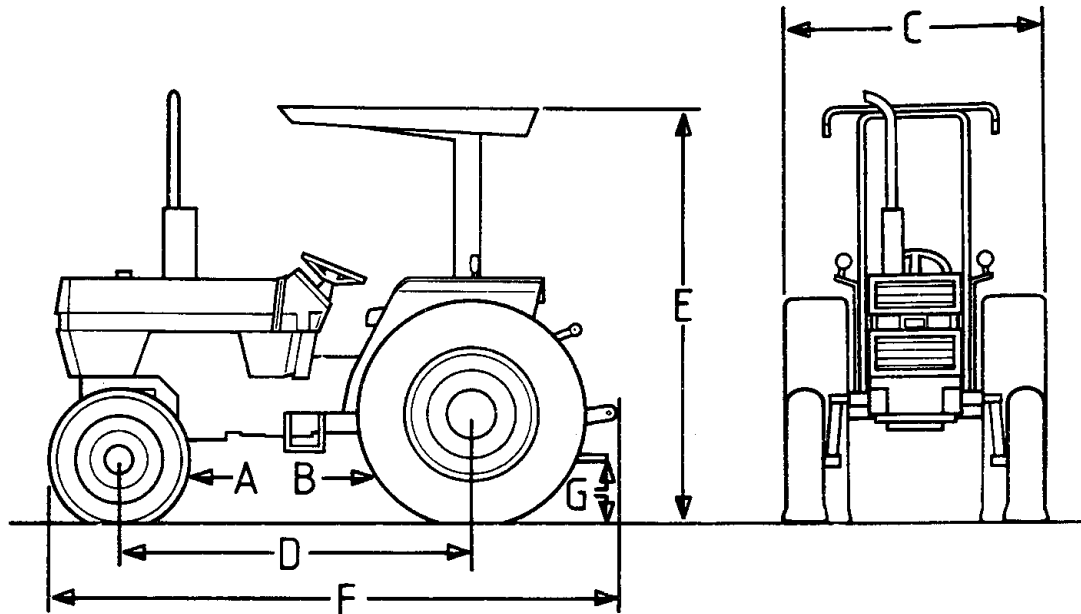


	2WD	MFD
A Front Tire	7.50x16	9.5x24
B Rear Tire	16.9x30	16.9x30
With Tobacco Axle	15.5x38	
C Width	75 in (1 905 mm)	75 in (1 905 mm)
D Wheel Base	84.5 in (2 146 mm)	88 in (2 235 mm)
E Height	93.5 in (2 375 mm)	93.5 in (2 375 mm)
F Length	142 in (3 607 mm)	1456 in (3 698 mm)
G Ground Clearance	17.3 in (439 mm)	12 in (305 mm)
under Drawbar		under Frame
With Tobacco Axle	17.3 in (439 mm)	
under Frame		
Turning Radius		
With Brake Assistance	128 in (3 251 mm)	146 in (3 708 mm)
		With MFD Engaged
Turning Radius		
Without Brake Assistance	149 in (3 785 mm)	171 in (4 343)
		With MFD Engaged
Weights		
Total	5 720 lb (2 595 kg)	6 785 lb (3 078 kg)

NOTE: Equipped with most common optional equipment. Does not include iron weights or liquid ballast.
IMPORTANT: The total weight with ballast and weights must never be more than 10 150 lb (4 610 kg)

APPROXIMATE MEASUREMENTS

Low Profile 2WD ROPS Tractor (North America)



A Front Tires 9.00 x 10

B Rear Tires 18.4 x 16.1

	U.S Values	Metric Values
C Width	82.8 in	2 103 mm
D Wheel Base	84.5 in	2 146 mm
E Height	88.9 in	2 258 mm
F Length	139.2 in	3 536 mm
G Ground Clearance under drawbar	9.1 in	231 mm
Turning Radius With Brake Assistance	128 in	3 251 mm
Turning Radius Without Brake Assistance	149 in	3 785 mm

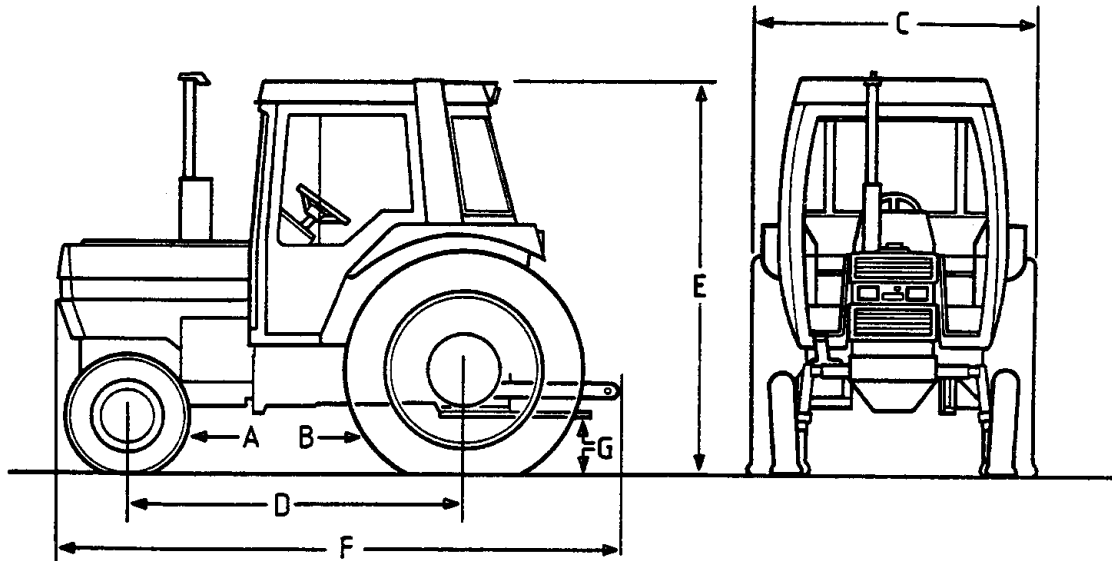
Weights

Total	5 620 lb	2 549 kg
-------	----------	----------

NOTE: Equipped with most common optional equipment. Does not include iron weights or liquid ballast.
IMPORTANT: The total weight with ballast and weights must never be more than 10 150 lb (4 610 kg).

APPROXIMATE MEASUREMENTS

Utility Tractors With Cab 2WD and MFD (North America)



	2WD	MFD
A Front Tire	7.50 x 16	9.5 x 24
B Rear Tire	16.9 x 30	16.9 x 30
C Width	75 in (1905 mm)	75 in (1905 mm)
D Wheel Base	88.7 in (2253 mm)	88 in (2235 mm)
E Height	100.4 in (2550 mm)	100.4 in (2550 mm)
F Length	142 in (3 607 mm)	145 in (3698 mm)
G Ground Clearance	15.5 in (394 mm)	12 in (305 mm)
Turning Radius With Brake Assistance	132 in (3 352 mm)	146 in (3 708 mm)
Turning Radius Without Brake Assistance	151 in (3 835 mm)	171 in (4 343 mm)

Weights

Total	6 520 lb (2 957 kg)	7 585 lb (3 441 kg)
-------	---------------------	---------------------

NOTE: Equipped with most common optional equipment. Does not include iron weights or liquid ballast.

IMPORTANT: The total weight with ballast and weights must never be more than 10 150 lb (4 610 kg).

TIRE AND WHEEL EQUIPMENT 2 Wheel Drive Tractors

2 Wheel Drive Tractors Tires - Front Wheels

TIRES	385 485 485XL	585 585XL	685	685XL	885 885XL
STANDARD	6.00 - 16	7.50 - 16	7.50 - 16	7.50 - 16	7.50 - 16
OPTIONAL	7.50 - 16	6.00 - 16 7.50 - 18	6.00 - 16	6.00 - 16 7.50 - 18	7.50 - 18

Front Tire Loads and Inflation Pressures

PRESSURE Bar (lb/in ²)	1.37 (20)	1.65 (24)	1.93 (28)	2.20 (32)	2.48 (36)	2.76 (40)	3.03 (44)	3.31 (48)
TIRE	MAXIMUM LOAD PER TIRE kg (lb)							
6.00 - 16 6 ply	339 (750)	379 (835)	414 (915)	448 (990)	483 (1065)	512 (1130)	543 (1200)	571 (1260)
7.50 - 16 6 ply	504 (1110)	560 (1235)	609 (1455)	660 (1455)	706 (1560)			
8 ply	504 (1110)	560 (1235)	609 (1455)	660 (1455)	706 (1560)	858 (1892)		
7.50 - 18 6 ply		560 (1235)	645 (1422)	700 (1544)	755 (1665)	810 (1786)		



WARNING: Do not remove, install or make repairs to a tire on a rim. Take the tire and rim to a tire shop where persons with special training and special safety tools are available. If the tire is not in correct position on the rim, or if too full of air, the tire bead can loosen on one side and cause air to leak at high speed and with large force. Because the air leak can thrust the tire in any direction, and with much force, you will be in danger of injury.

TIRE AND WHEEL EQUIPMENT Mechanical Front Drive Tractors

Maximum Front Tire Loads at Different Inflation Pressures

TIRE SIZE	INFLATION PRESSURE - Bar - (lb/in ²)										
	0.8 (12)	0.9 (13)	1.0 (14)	1.1 (16)	1.3 (19)	1.4 (20)	1.6 (23)	1.7 (24)	1.8 (26)	2.0 (29)	2.1 (31)
	MAXIMUM LOAD PER TIRE kg (lb)										
9.5-24 6 ply	549 (1210)	576 (1270)	603 (1330)	649 (1430)	719 (1585)	739 (1630)	805 (1775)	826 (1820)	866 (1910)	921 (2030)	940 (2072)
12.4-24 6 ply	798 (1760)	835 (1840)	871 (1920)	944 (2080)	1043 (2300)	1075 (2370)	1168 (2575)	1200 (2640)			
16.9-28 6 ply	1415 (3120)	1505 (3318)	1590 (3505)	1675 (3692)	1840 (4057)	1925 (4244)	2095 (4619)	2175 (4795)			

Maximum Front Tire Loads and Inflation Pressures at a Maximum Speed of 29 Km/h (18 mile/h)

TIRE SIZE	PLY	INFLATION PRESSURE Bar (lb/in ²)	MAX. LOAD PER TIRE kg (lb)
9.5 R 24	6	2.1 (31)	940 (2072)
11.2 R 24	6	1.8 (26)	1045 (2304)
12.4 R 24	6	1.7 (25)	1200 (2646)

TIRE AND WHEEL EQUIPMENT

Mechanical Front Drive Tractors

Maximum Front Tire Loads and Inflation Pressures for Front Loader Operation
at a Maximum Speed of 8 Km/h (5 mile/h)

TIRE SIZE	PLY	INFLATION PRESSURE Bar (lb/in ²)	MAX. LOAD PER TIRE kg (lb)
9.5 R 24	6	2.62 (38)	1316 (2902)
9.5/9 - 24	6	2.62 (38)	1309 (2886)
11.2 R 24	6	2.24 (32.5)	1463 (3226)
11.2/10 - 24	6	2.24 (32.5)	1467 (3235)
12.4 R 24	6	2.13 (31)	1680 (3704)
12.4/11 - 24	6	2.13 (31)	1670 (3683)

TIRE AND WHEEL EQUIPMENT

Mechanical Front Drive Tractors

Front to Rear Tire Combinations

REAR TIRES	PLY	FRONT TIRES					
		9.5-24	9.5 R-24	11.2-24	11.2 R-24	12.4-24	12.4 R-24
12.4/11-36	6	+	+	+	+	+	+
12.4 R-36	6	+	+	+	+		
13.6/12-36	6		+	+	+		
13.6 R-36	6	+	+	+	+		
13.6/12-38	6					+	+
13.6 R-38	6					+	+
16.9/14-30	6	+	+	+	+		
16.9 R-30	6	+	+				
16.9/14-34	6					+	+
16.9 R-34	6					+	+
18.4/15-30	6			+	+	+	
18.4 R-30	6			+	+	+	
18.4 R-30	8			+	+	+	

TIRE AND WHEEL EQUIPMENT

Tires - Rear Wheels

TIRE SIZES	385 485	585	685	885	AVAILABLE TREAD WIDTHS cm (in)
12.4/11-32	Std.				133 to 193 (52 to 76)
12.4/11-36	Opt.	Opt.			133 to 193 (52 to 76)
12.4/11-38			Opt.	Opt.	133 to 193 (52 to 76)
13.6/12-28	Opt.				143 to 193 (56 to 76)
13.6/12-36	Opt.	Std.	Std.	Opt.	143 to 193 (56 to 76)
13.6/12-38		Opt.	Opt.	Std.	143 to 193 (56 to 76)
14.9/13-28	Opt.	Opt.			143 to 193 (56 to 76)
14.9/13-30	Opt.	Opt.	Opt.		143 to 193 (56 to 76)
16.9/14-30		Opt.	Opt.	Opt.	143 to 193 (56 to 76)
16.9/14-34			Opt.	Opt.	153 to 193 (60 to 76)
18.4/15-30			Opt.	Opt.	153 to 193 (60 to 76)

Std. = Standard tires fitted at the factory.

Opt. = Optional tires available.

TIRE AND WHEEL EQUIPMENT

Rear Tire Loads and Inflation Pressures

TIRE SIZE	P L Y	INFLATION PRESSURE - Bar - (lb/in ²)									
		0.8 (12)	0.9 (13)	1.0 (14)	1.1 (16)	1.3 (19)	1.4 (20)	1.6 (23)	1.7 (24)	1.8 (26)	2.0 (29)
		MAXIMUM LOAD PER TIRE kg (lb)									
11.2-24	6	667 (1470)	699 (1540)	730 (1610)	789 (1740)	862 (1900)	898 (1980)	973 (2145)	998 (2200)	1045 (2303)	
12.4-32	6	920 (2030)	970 (2140)	1020 (2250)	1070 (2360)	1170 (2580)	1220 (2690)	1310 (2890)	1355 (2985)		
12.4-36	6	980 (2160)	1030 (2270)	1080 (2380)	1135 (2500)	1235 (2725)	1285 (2835)	1385 (3055)	1440 (3170)		
12.4-38	6	984 (2170)	1032 (2275)	1080 (2380)	1166 (2570)	1290 (2845)	1329 (2930)	1442 (3180)	1480 (3260)		
13.6-28	6	990 (2185)	1045 (2305)	1100 (2425)	1155 (2545)	1265 (2790)	1320 (3055)	1430 (3155)			
13.6-36	6	1100 (2425)	1170 (2580)	1240 (2735)	1300 (2865)	1425 (3140)	1490 (3285)	1615 (3560)			
13.6-38	6	1145 (2525)	1210 (2670)	1275 (2810)	1340 (2955)	1465 (3230)	1530 (3375)	1660 (3660)			
14.9-24	6	1120 (2470)	1185 (2610)	1250 (2755)	1315 (2900)	1445 (3185)	1510 (3330)				
14.9-28	6	1195 (2635)	1265 (2790)	1335 (2945)	1405 (3095)	1545 (3405)	1610 (3550)				
14.9-30	6	1235 (2725)	1305 (2815)	1380 (3040)	1450 (3195)	1595 (3515)	1665 (3670)				
16.9-30	6	1460 (3320)	1550 (3415)	1640 (3615)	1730 (3815)	1900 (4190)					
16.9-30	8	1460 (3320)	1550 (3415)	1640 (3615)	1730 (3815)	1900 (4190)	1990 (4385)	2165 (4775)	2245 (4950)		
16.9-30	10	1460 (3320)	1550 (3415)	1640 (3615)	1730 (3815)	1900 (4190)	1990 (4385)	2165 (4775)	2245 (4950)	2320 (5115)	2455 (5412)
16.9-34	6	1545 (3405)	1640 (3615)	1735 (3825)	1830 (4035)	2015 (4440)					
18.4-30	6	1825 (4025)	1925 (4245)	2020 (4455)	2120 (4675)						

This as a preview PDF file from best-manuals.com



Download full PDF manual at best-manuals.com