

ISEKI



TRACTOR

TA SERIES

**TA530/TA537
TA545/TA550**



hydraulic capacity or manoeuvrability, Iseki TA Series gives you the edge in productive versatility.

STRONG, FUEL EFFICIENT ENGINES

Iseki tractors have long been recognised as being smooth, quiet and fuel efficient in operation. This reputation is raised even higher by the TA Series tractors which use advanced Isuzu and Iseki water cooled diesel engines.

Rated under internationally recognised DIN Standards, these engines give Iseki TA tractors excellent power to weight ratios. They bring noise and vibration levels to a new low for this class.

Reliable Diesel Kiki fuel systems are respected in both the field and the workshop.

Maximum power is developed at a smooth-running 2500 or 2600rpm while every engine develops a high, flat torque curve peaking at a low 1600rpm. This means that, at almost any engine speed, Iseki TA tractors can lug down under load, pull through tight spots, and retain revs without necessarily forcing

THE ISEKI TA RANGE

TA550 58hp .SAE/43.5kw (engine)
 - four wheel drive with factory cabin
 - four wheel drive with 2 post ROPS
 - two wheel drive with factory cabin
 - two wheel drive with 2 post ROPS

TA545 58hp .SAE/37.5kw (engine)
 - four wheel drive with factory cabin
 - four wheel drive with 2 post ROPS
 - two wheel drive with factory cabin
 - two wheel drive with 2 post ROPS

TA537 42hp .SAE/31.5kw (engine)
 - four wheel drive with factory cabin
 - four wheel drive with 2 post ROPS
 - two wheel drive with factory cabin
 - two wheel drive with 2 post ROPS

TA530 33hp .SAE/25kw (engine)
 - four wheel drive with factory cabin
 - four wheel drive with 2 post ROPS

VERSATILE AND HARD WORKING TRACTORS

Iseki developed the TA Series of tractors to answer your real needs through the 90s – providing an advanced level of basic performance and efficiency in all areas of machine function, and giving far greater regard to operator comfort and convenience.

Here are tractors that harmonise the productivity of man and machine to a greater degree than ever before. Smart, clean styling and yet beautifully

engineered.

Compact and nimble, practical and comfortable, and yet big on working strength and capability – that's the Iseki TA Series of tractors. Tractors that work – long, hard, reliably and efficiently.

TA Series tractors retain all the field-proven qualities of high build standards and reliable operating economy common to all Iseki tractors. Now they also offer unrivalled operator access and comfort and a base level specification that's ready for work.

In drawbar or PTO performance, linkage lift,



a downshift. You keep working. Productivity stays high. They're very flexible engines.

TRANSMISSIONS THAT KEEP YOU WORKING

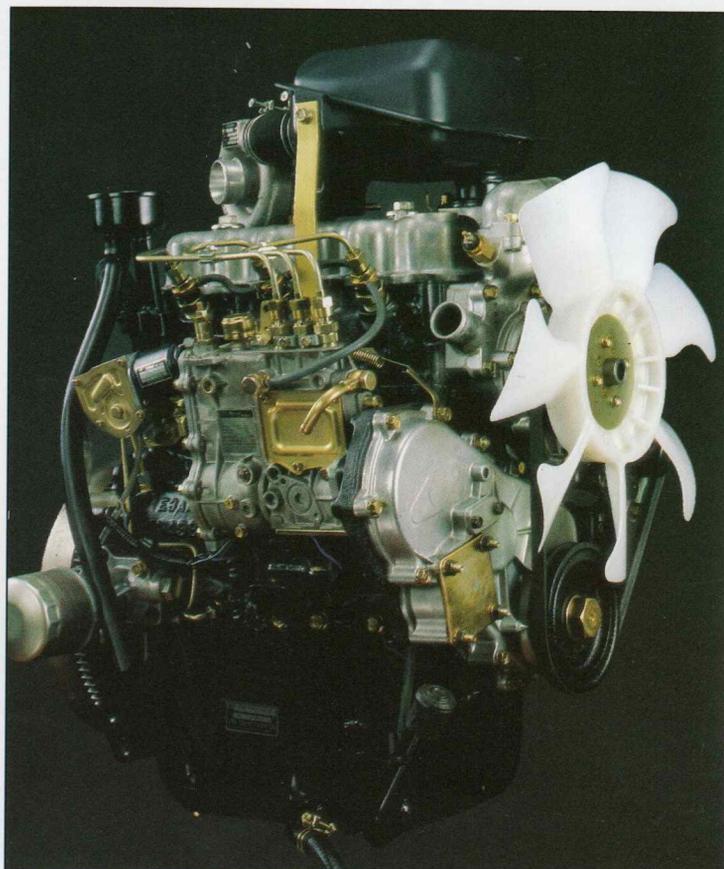
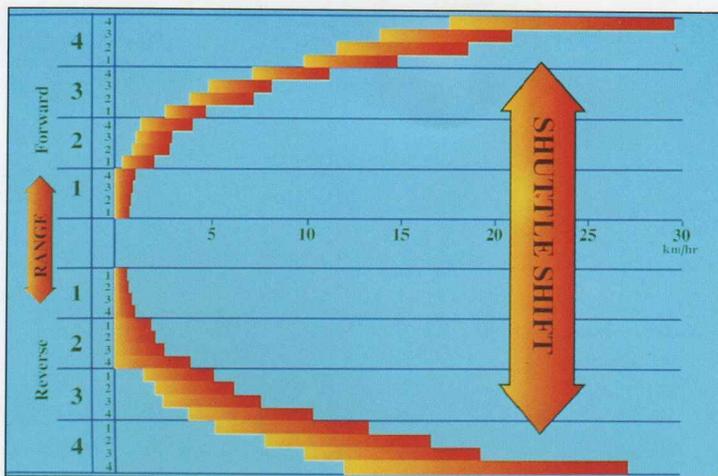
Your need is for gears in the working speed range, easy selection and mechanical efficiency to complement flexible engines. Iseki's Syncro-Shuttle-Shift transmission answers these needs and more. Iseki's Syncro-Shuttle-Shift offers you the choice of at least 12 working speeds up to 12 km/hr* and up to four* speeds in the 0-1.00 km/hr speed range ideal for precision or close quarter work. There's a gear that's ideal for every application.

But the right speed needs direction too and Iseki TA's Syncro-Shuttle-Shift also gives you a fully synchronised shuttle shift between forward and reverse in every gear! That means fast turnarounds on headlands and in tight spots, and even shorter cycle times in loader work.

Four gears. Four ranges. 16 speeds – forward and reverse. Iseki TA Series tractors with Iseki Syncro-Shuttle-Shift transmission. That's real productivity!

Even the inside story is good. Helical-cut gears reduce noise dramatically while positively transmitting full power. A new gearbox design keeps the tractor's centre of gravity low while providing high clearance too – that means extra safety and stability on slopes and uneven terrain. Iseki – engineering that works.

*Depending on the model



All Iseki TA Series tractors have wet disc service brakes for safe, reliable performance. A mechanical parking brake is standard equipment.

All Iseki TA Series tractors have independent 540/1000rpm power take-off as standard equipment.

The PTO is engaged/disengaged by means of an electro-hydraulic control switch on the dashboard. Automatic modulation ensures smooth engagement of drive power to implements, reducing shock loads on drivelines and implements.

Left: An excellent spread of gears through the working range, doubled through synchronised shuttle shift make Iseki's Syncro-Shuttle-Shift transmission very versatile.

Left: Engine performance that's 'work specified' – Power and torque for all tasks make Iseki TA Series very capable.

**SPEED RANGE CHART
TA 545 2WD & 4WD**

RANGE CHART	MAIN SHIFT	FORWARD	REVERSE
1	1	0.7	0.6
	2	0.8	0.7
	3	0.9	0.9
	4	1.3	1.2
2	1	2.1	1.9
	2	2.6	2.3
	3	2.9	2.7
	4	4.1	3.8
3	1	5.7	5.2
	2	7.1	6.5
	3	8.1	7.4
	4	11.4	10.5
4	1	14.8	13.5
	2	18.2	16.6
	3	20.9	19.1
	4	29.4	26.8

* Similar speed range on other TA 545, 530 and 537 models similar.

**SPEED RANGE CHART
TA 550 2WD & 4WD**

RANGE SHIFT	MAIN SHIFT	FORWARD	REVERSE
1	1	0.37	0.34
	2	0.52	0.47
	3	0.70	0.64
	4	0.92	0.84
2	1	1.11	1.02
	2	1.56	1.43
	3	2.11	1.93
	4	2.77	2.54
3	1	3.08	2.81
	2	4.32	3.95
	3	5.85	5.35
	4	7.68	7.02
4	1	10.36	9.47
	2	14.54	13.29
	3	19.70	18.00
	4	25.84	23.62

Left: Advanced diesel engines make Iseki TA Series tractors smooth, quiet, fuel efficient and reliable.

SERIES TA: Comfort at V

All Iseki TA Series have vibration-isolated flat deck operator platform or cabin. Work in comfort.

Factory fitted cabin option available for TA models 550, 545, 537 and 530. Work in comfort.

Low-effort power-assisted steering is standard. Responsive and positive. Work without effort.

Tight turning radius for greater manoeuvrability:

- TA550 4WD 2800mm
- TA550 2WD 2600mm
- TA 545 4WD 2600mm
- TA545 2WD 2400mm
- TA537 4WD 2400mm
- TA530 4WD 2100mm

Fuel filler is conveniently located at the rear of the tractor. Re-fuel quickly and easily.

Long wheelbase. Low centre of gravity. High clearance. Excellent balance. Good field performance with operational safety advantages.

Muffler under the bonnet. Short, sloping bonnet line. Excellent forward working visibility.

Below: Iseki TA Series tractor fitted with 2-post ROPS.

- Excellent access through wide-opening rear-hinged door to an open, uncluttered operator's platform cabin. Both side doors open, and are lockable.
- Large, comfortable suspension seat. Adjustable for operator height and weight. Armrests fold up. Secure seating for fatigue-free work.
- Large glass area, thin corner pillars and sloping bonnet give excellent visibility to all working points. For safety and comfort in operation. All windows open for extra ventilation.
- 3-step tilting steering column simply adjusts to suit every operator. 2-spoke steering wheel allows unobstructed sight to dashboard. Standard power-assisted steering minimises control effort.
- Clutch and brake pedals are pendant mounted to keep floor clear and suit natural leg action. Light pedal action even further reduces operational fatigue.



Work



■ All control levers – throttle, gear selection, hydraulic and PTO control, parking brake and four-wheel drive engagement (where fitted) positioned conveniently for easy access and quick, secure operation. Leaves floor space safely and conveniently clear.

Full width side doors with full width opening windows provide uninterrupted side vision and excellent fresh air ventilation. Sturdy cast door hinges are greasable for long life. Gas struts assist door opening.

Side gutters on cab roof protect the operator from rain run-off during entry and exit. A broadscreen wiper blade maintains visibility in wet weather.

Cabbed models have twin rear working lights as standard equipment for safety and convenience during night work.

Air conditioning is optional equipment on TA550 models. A three speed fan circulates cool air throughout the cabin via four adjustable outlets.

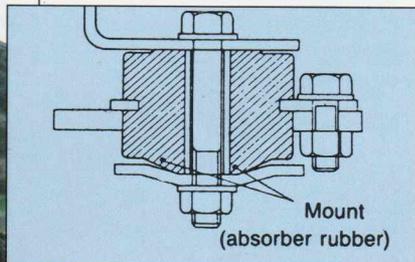
A handy floor locker provides safekeeping for pins, small spare parts and tools.

Generous clearance between mudguards and standard tyres.

An AM/FM radio-cassette player for news, information and entertainment is standard equipment in cabbed models.



Left: Excellent access to a clear working platform and logical control layout make Iseki TA Series tractors simple and comfortable to operate.



Left: Special rubber anti-vibration mountings for the platform/cabin and steering column isolate the operator from the discomfort of sustained noise and vibration.



Left: Control levers fall easily to hand either side of a comfortable seat, reducing operator fatigue and leaving an uncluttered work platform.



Above: Ready access to key routine service areas saves time and trouble.

Four-wheel drive versions of Iseki TA Series tractors better utilise engine power, provide greater traction and provide greater safety and stability on difficult terrain.

Road registerable lighting kit, curved mirrors, hazard lights and two rear working lights (on cabbed models) are standard equipment.

Below: Iseki's bevel gear four-wheel drive system is engineered for maximum power transmission, high clearance and tight turning circles.



EASY SERVICE SAVES TIME

Routine maintenance keeps your tractor going and Iseki TA Series makes it fast and easy. Most daily servicing – maintaining coolant level and checking engine and transmission oil levels as examples, is carried out externally. Side panels are

quickly removed giving clear access to other key service points – battery and electricals, fuel pump, lines and filters, injectors and radiator. Easy access, commonsense component layout and engineering features make Iseki TA Series tractors easy to maintain, economical to operate.

SOLIDLY BUILT FOR LONG LIFE

In all key areas Iseki TA tractors are engineered and built to the very high standards that Japanese manufacturing has become synonymous with. From the strength of cast steel bevel gear four-wheel drive assemblies, to the toughness and durability of their steel chassis and axles, Iseki TA is engineered for productive reliability. Iseki's solid engineering is accented by similar high standards of finish and presentation. Comfort and ease of operation were assigned high priorities in the TA Series. It's

what you expect from a company with its feet firmly on the ground and an agricultural tractor specialist's interest in building equipment you can count on.

PRODUCTIVITY AND COMFORT

Iseki TA Series tractors are the complete working package. To a foundation of fine engines and transmissions and a high level of standard features, Iseki then added another dimension – comfort and simple operation. Iseki sees the harmony between the tractor and the operator as being central to productivity. This idea was a prime design parameter in the development of TA Series machines.

Whether climbing onto either the two-wheel drive or four-wheel drive, access to the Iseki TA Series operator's seat is easy and totally unobstructed. This is due to the convenience of steps and grab handles, and the clear flat-deck. Once in the seat – itself adjustable for height and weight, the steering wheel also adjusts easily to one of three positions according to operator requirements and preference. Fold-up seat armrests provide comfort and support. A low centre of gravity and adjustable wheel track add to safety levels. Pendant pedals are light and yet positive in action. Levers including gear selectors, throttle, PTO speed selection and four-wheel drive engagement (where fitted) fall easily to hand either side of the seat or the steering column – it's a simple, sensible layout. A two spoke steering wheel permits clear sight to a comprehensive dashboard. Easy access. A comfortable seating position. Convenient controls. Excellent visibility to working points. Iseki TA Series puts you in control of a highly versatile and productive tractor.

STRONG LINKAGE LIFT CAPACITY

With the accent on high performance levels, the Iseki TA Series' three point linkage lift capacity has been increased and the linkage upgraded to handle the loads.

Hydraulic capacities are more than adequate for your needs through the 1990s. Iseki TA Series gives you more muscle for more work.

PTO POWER AT YOUR FINGERTIPS

Iseki TA Series tractors efficiently deliver power to the independent PTO and then place it right at your command with effortless, convenient fingertip on-off control. Nothing could be easier. Whether your PTO-driven implements run at 540 or 1000rpm input speed, Iseki TA tractors can provide the drive power – at the flick of a dashboard switch.



4 WHEEL DRIVE A SMART MOVE

Iseki TA 4-wheel drive models make greater use of engine power and deliver better traction. Use the benefits of 4-wheel drive to pull bigger implements, or to get more work

done each day, or to work for more days each season. Improved safety and stability on hill country too. And Iseki's bevel drive front axle gives you really generous clearance and remarkably tight turning circles – all while still under full power. Iseki 4-wheel drive – it's the smart way to go.

Above: Hydraulics, PTO and 3-point linkage features make Iseki TA Series tractors ideal for a wide range of applications.

3-point linkage accepts Cat I or II implements. Adjustable top link and lift arm.

Swinging drawbar standard on all TA Series models.

Pre-cleaning grille protects radiator from clogging, preventing inefficient cooling and/or overheating.

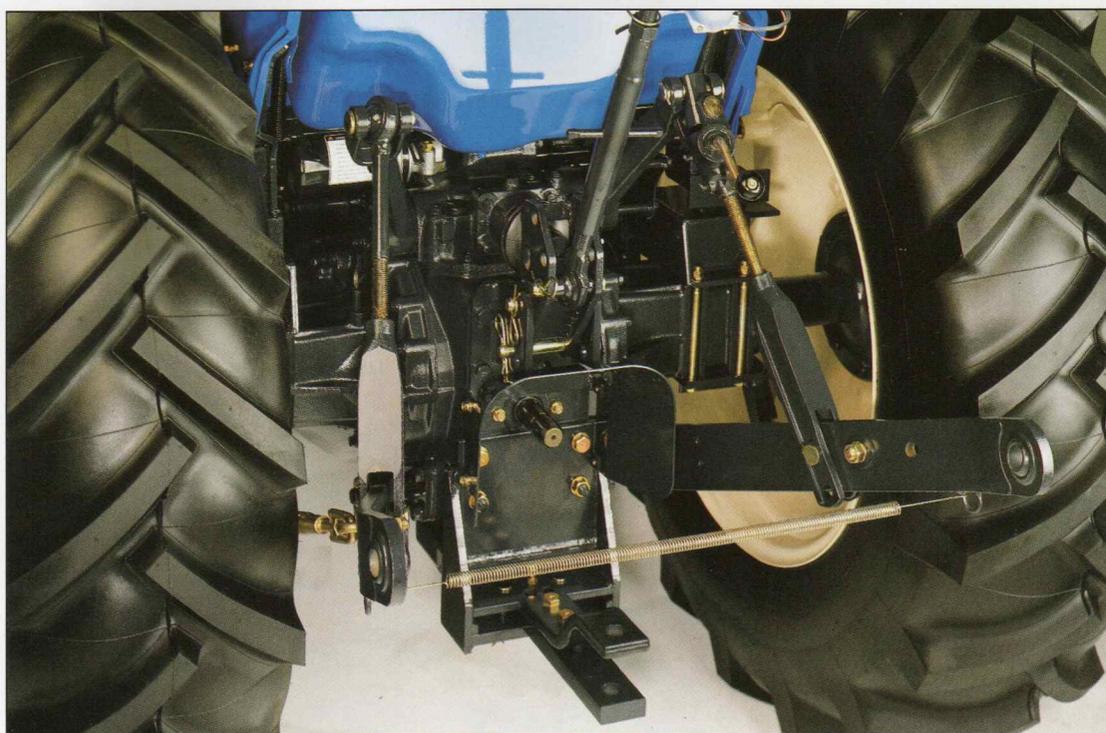
Battery is located forward of radiator in cool, clean air for an extended service life. Good access for service and/or replacement.

Convenient spin-on/spin-off oil and fuel filters.

Air intake is fitted in the "clean air zone" high up under the bonnet and forward of the radiator to minimise filter loads and maximise engine life.

Convenient oil inspection ports are fitted to 4WD front axles.

Shielded centreline front driveshaft on 4WD models avoids snags and provides excellent clearance.



Left: Fully equipped and well engineered – the 'business end' of the Iseki TA Series showing 540/1000 rpm PTO, 3-point linkage and drawbar.

SPECIFICATIONS

MODEL		TA530F	TA537	TA545	TA550
Type		4 Wheel Drive	2 or 4 wheel drive		
Dimensions		mm	mm	mm	mm
Overall	length	3050	3300	3410	3470
	width	1310	1525	1545	1545
	height – top of bonnet	1200	1350	1400	1400
	– top of ROP (with cabin)	2100	2250	2300	2300
	– top of factory cabin	2180	2325	2385	2385
Wheelbase		1700	1900	1970	2030
Wheel track:	Front	1070	1210	1220-1560	
	Rear	1020-1340	1140-1500	1220-1620	
Min. ground clearance		355	360		
Weight kg	(w/o ROPS)	1170	1535	1790	1890
	(with cabin)	1530	1895	2150	2250
Engine		Isuzu	Isuzu	Isuzu	Isuzu
Model		E3AD1	4JD1	4JA1	4JB1
Type		4 cycle diesel direct injection			
No. cylinders		3	4	4	4
Displacement cc		1498	2039	2499	2771
Output Engine SAE /RPM		33 SAE HP/25kw	42 SAE HP/31.5kw	50 SAE HP/37.5kw	58 SAE HP/43.5kw
Output Engine DIN/RPM		30 DIN HP/22.5kw @ 2600 RPM	37 DIN HP/28kw @ 2600 RPM	45 DIN HP/34kw @ 2500 RPM	55 DIN HP/41.25kw @ 2500 RPM
Torque (Max. Nm @ rpm)		99.0Nm @ 1600	125.6Nm @ 1600	152Nm @ 1600	166.6Nm @ 1600
Power Take-off (PTO) Speeds		540/1000rpm, modulated electro-hydraulic engagement			
Output PTO @ 540 PTO Speed		27HP/20.25kw	34HP/25.5kw	43HP/32.5kw	50HP/37.5kw
3-point linkage		Cat I	Cat I & II 1700kg/3800lb's lift		
Hydraulics Position & Draft Control Two Pumps Combined Flow Ltrs per min		36 LPM (24 for Aux outlets, 12 for Int. power steering)	47 LPM (29 for Aux outlets, 18 for Int. power steering)	52 LPM (34 for Aux outlets, 18 for Int. power steering)	52 LPM (34 for Aux outlets, 18 for Int. power steering)
Transmission		16 Forward. 16 Reverse w/- Syncro-Shuttle-Shift			
Fuel Tank Capacity Litres		30	48	51	
Tyre size:	Front (4WD)	7.0x16	8.0x18	8.3x20 fully adjustable	
	Turf options available (2WD)	n/a	6.0x16	7.5x16	
	Rear	12.4x24	13.6x26	14.9x28	

Due to a policy of continuous product improvement, design and specifications are subject to change without notice.

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