



# 55 SERIES

125-145 DIN HP

WITH THE  
REVOLUTIONARY  
TURBO CLUTCH



# THE CASE INTERNATIONAL RANGE

With 16 models from 45 to 291 DIN hp and variants for every job, the new Case International range is one of the most comprehensive in N.Z. It is also one of the most advanced, bringing together the finest research and development in the industry with the most sophisticated technology and manufacturing facilities.

Unsurpassed in design, quality and value, the Case International range is supported by the biggest service team, in

New Zealand with more than 60 highly experienced tractor dealers. So wherever you farm you can rely on a nationwide service by trained personnel, offering total parts and service support.

The Case International range is manufactured by J I Case, one of the largest divisions of Tenneco Inc, a top twenty corporation in America. As such it enjoys unmatched financial backing, so essential in today's agricultural equipment industry.

## → THE 55 SERIES ←

The two models in the 55 Series turbo clutch tractor range are built to deliver high pulling power with outstanding economy, and are designed with the larger farm in mind.

With engines delivering 125 and 145 DIN HP the 1255XL and 1455XL are big on power and economy. Direct fuel injection, turbocharged diesel engines with balanced 7 bearing crankshafts ensure a long and efficient working life.

A further feature is the luxurious XL control centre. Superbly designed to the

highest standards of safety and comfort, it enables operators to enjoy peace of mind and to achieve the best results with the minimum of effort.



## TURBO CLUTCH

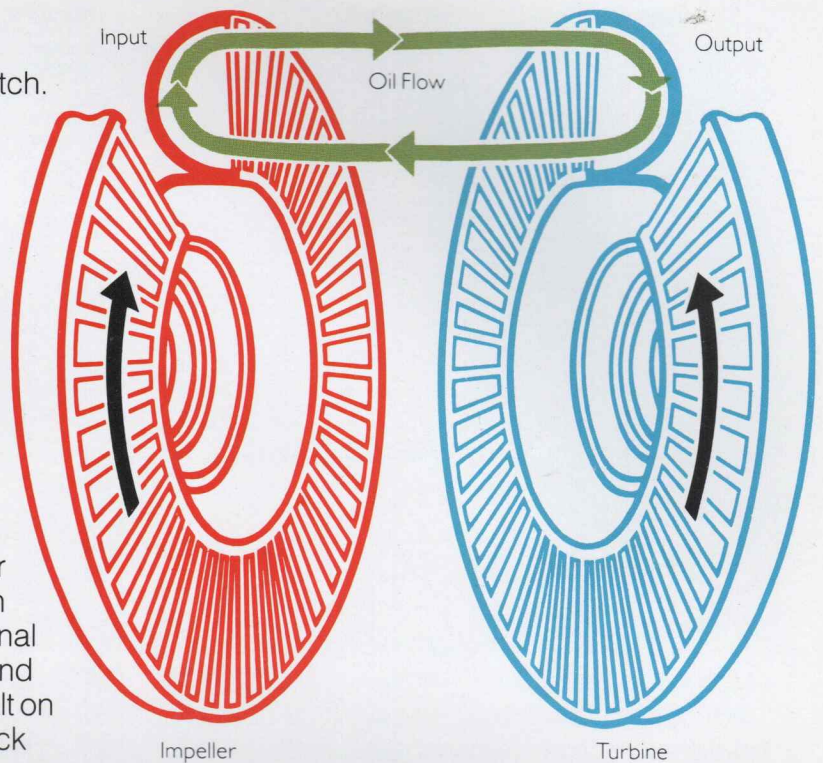
### SMOOTHER POWER FOR LONGER LIFE

When designing a tractor to deliver power effortlessly in all conditions, Case International needed a tough reliable clutch. Which is why the 55 Series employs the turbo clutch.

The turbo clutch consists of an impeller, connected to the engine, and a turbine connected to the clutch assembly.

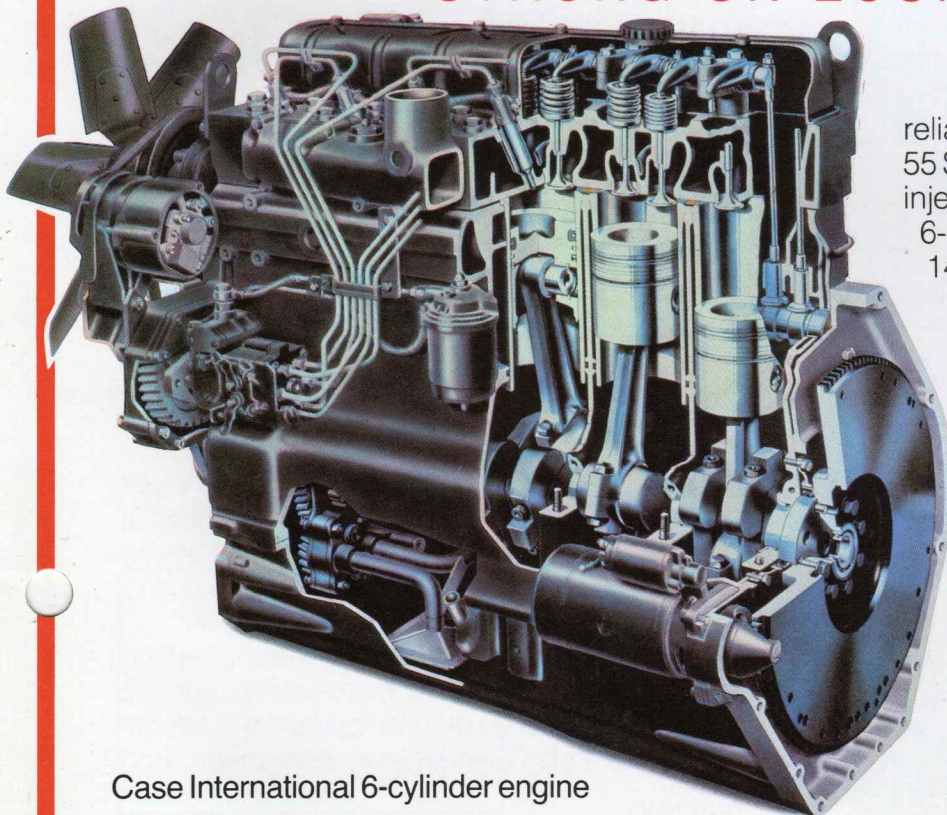
As engine speed rises, centrifugal force causes the oil in the unit to be thrown out of the impeller into the cells of the turbine. The turbine then rotates in the same direction, smoothly driving the rest of the power train. And as it is a fluid clutch, there is no mechanical wear.

The turbo clutch smooths out power surges from the engine and transmission shock loadings – extending the operational life of the transmission's components – and enabling the tractor to be brought to a halt on slopes or in work, by merely throttling back the engine. Opening the throttle starts the tractor off again, without having to slip the mechanical clutch.



Case International Turbo Clutch

### HIGH PERFORMANCE ENGINES, STRONG ON ECONOMY



Case International 6-cylinder engine

Powerful, economical, adaptable reliable. Much has been written of the 55 Series engines. Both are direct injection, turbo-charged, water-cooled, 6-cylinder units developing 125 and 145 DIN hp.

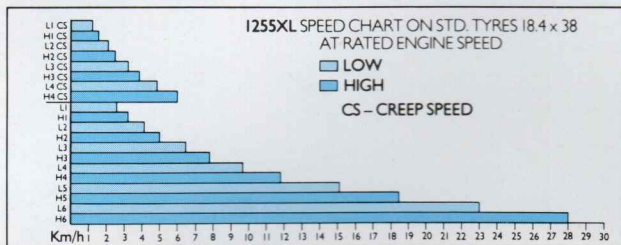
They have been specifically designed as turbocharged units, with stronger crankshafts, connecting rods and pistons to accommodate the extra power. The ingenious engine design means less time spent servicing, ease of access to all major engine components and a high percentage of interchangeable parts. But above all it means unparalleled fuel efficiency.

So a 55 Series tractor spends its time adding to your productivity. Not your fuel bill.

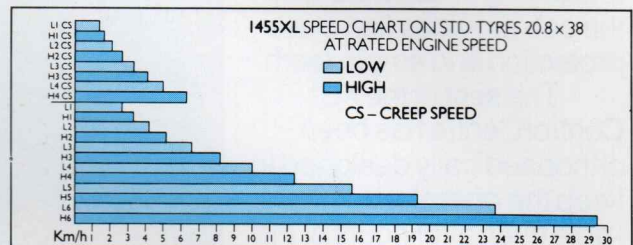
## THE RIGHT GEAR FOR THE JOB

The transmission units built into the 55 Series are both by ZF, selected like the 4WD axle for their uncompromising quality of design and rugged construction.

That quality of design gives both synchromesh transmissions 20 forward



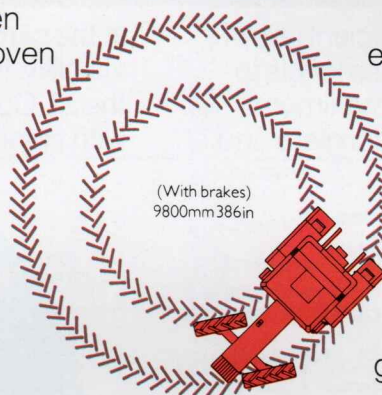
and 9 reverse speeds, all well-spaced to give ease of operation in the most variable of field conditions. In addition, a synchronised differential lock is fitted which can be engaged on the move without declutching. And a creep facility gives the 55 Series incredible versatility in very low speed applications.



## 4-WHEEL DRIVE FOR EXTRA GRIP AND ECONOMY

The 55 Series tractors have been specifically designed around the proven ZF axle, chosen for the quality of its construction and performance.

Limited slip differential, on-the-move engagement, exceptional ground clearance and a tight turning circle all add up to a powerful solution wherever adverse conditions or sloping ground arise.



4-wheel drive is also about economy. Saving fuel by reducing wheel slip. Saving wear by placing less strain on engine, gearbox and tyres. At the same time it can increase drawbar pull by as much as 15% over difficult ground. All of which places less stress on the driver – and that must be good for productivity.

## HIGH PERFORMANCE HYDRAULICS

Both models feature dual engine-mounted high-output pumps for ease of access, immediate response and fast operation.

The main hydraulic pump draws oil from the transmission housing and supplies up to 50 litres per minute to the lift and auxiliary circuits, controlled from the cab by draft and position control levers. There is also a lowering speed control which affords precise control of

large implements from transport to working positions.

Efficient design of the hydraulic system allows a massive 9352 lb load to be handled with ease – 10,000 lbs on the 1455XL. Lower link sensing also gives precise depth control. And even under the heaviest of workloads the hydrostatic steering provides the operator with effortless control at all times.

## PUTTING THE POWER INTO PTO



Both models use a single-shaft, two-speed, 21-splined PTO. High output PTO was a design priority so the 55 Series performance figures come as no surprise to anybody but the competition:

1255XL – 121.3hp max and 1455XL – 137.0hp max. Power to drive the largest PTO equipment.

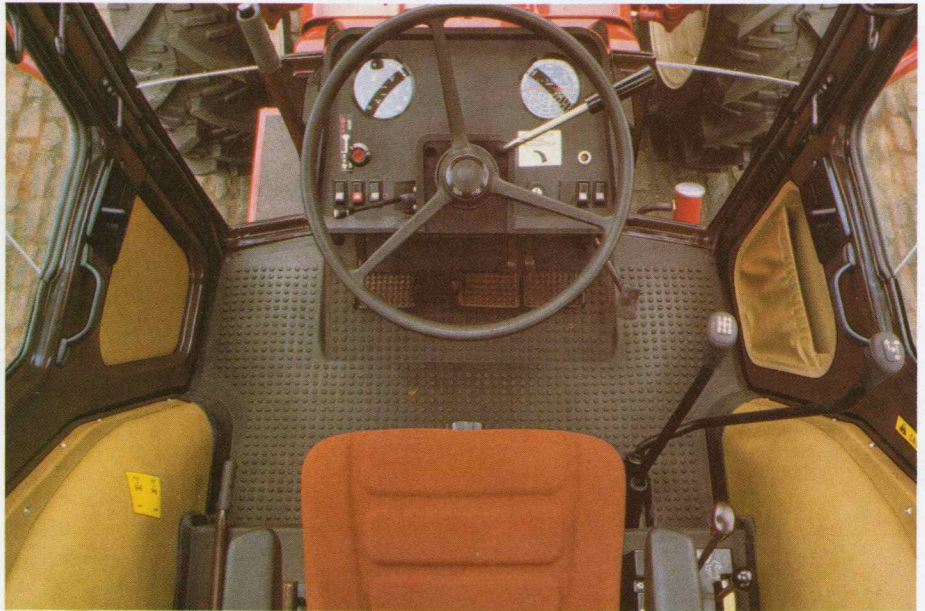
Both PTO's are two-speed for greater versatility, with a speed change facility within the cab. A hand-operated clutch allows smooth power take-up – and any power surges that may occur are absorbed by the Turbo Clutch.

## THE XL CONTROL CENTRE: LUXURY WITH A PURPOSE

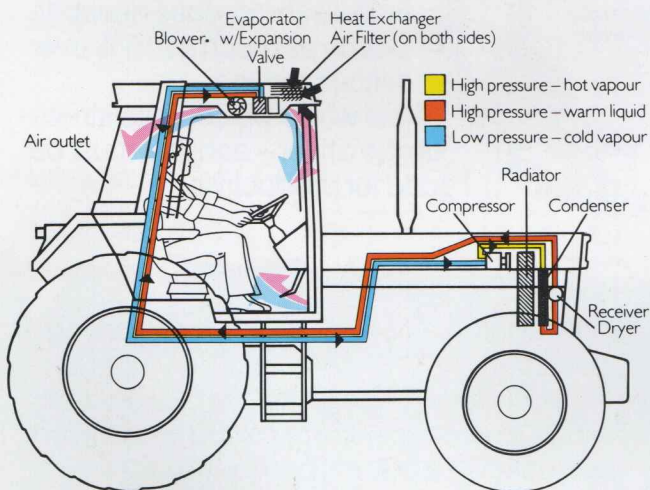
The development of the XL Control Centre bears out our commitment to the highest standards of comfort and safety. Light in weight and strong in construction, the cab provides first class protection and ample room.

The seat of the XL Control Centre has been orthopaedically designed to keep the operator comfortable even after hours at the controls. These controls are conveniently located and require the minimum of effort from the operator.

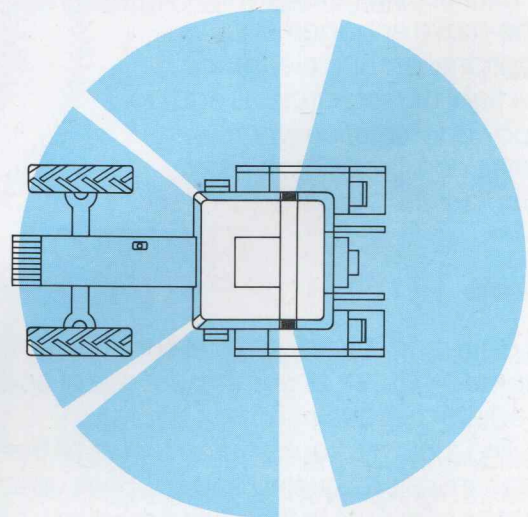
The cab is ISO-mounted to reduce engine vibration and efficient use of sound insulation material cuts noise levels to below 85dB, well within the legal maximum. All-round tinted glass stops harmful glare and



at the same time affords excellent all-round visibility. In short, compared with other cabs, the XL Control Centre offers luxury combined with significant performance advantages.



Air conditioning system



Exceptional all-round visibility

## NEW ZEALAND'S LARGEST SUPPORT TEAM

Behind the Case International range there are now more than 60 dealers, offering a total parts and service support. So wherever you farm, you can call on New Zealand's largest dealer network.

All our dealers employ staff trained at our factories to provide expert after-sales service. All dealers hold comprehensive stocks of parts, backed up by a satellite-linked computer system to ensure a first-class service at all times.



# 55 SERIES SPECIFICATIONS

		<b>1255XL</b>	<b>1455XL</b>
<b>ENGINE</b>	Power (DIN NET)	125hp, 92kW at 2200 rev/min	145hp, 107kW at 2200 rev/min
	Max torque	488Nm at 1700 rev/min	532Nm at 1450 rev/min
	Torque at rated speed	400Nm	466Nm
	Fuel at maximum speed	236g/kWh	239g/kWh
	Bore X Stroke	98.4 x 128.5mm	100 x 139.7mm
	Number of cylinders - capacity	6-5867cc	6-6586cc
	Compression ratio	16:1	15:1
	Governed ratio	760-2410 rev/min	730-2430 rev/min
<b>CLUTCH</b>	Diameter ENG/PTO (independent)	355mm/355mm	355mm/355mm
<b>GEARBOX</b>	Type	Synchromesh	Synchromesh
<b>SPEEDS (Km/hr)</b>	Minimum at 540 PTO	1.2	1.3
	Low		
	1SR	1.3	1.4
	1	2.1	2.1
	2SR	3.2	3.3
	2	4.9	5.0
	3SR	2.6	2.7
	3	4.1	4.2
	4SR	6.4	6.6
	4	9.7	10.0
	5SR	15.1	15.6
	5	23.0	23.7
	High		
	1SR	1.6	1.7
	1	2.5	2.7
	2SR	3.9	4.1
	2	6.0	6.3
	3SR	3.2	3.3
	3	5.0	5.2
	4SR	7.8	8.2
	4	11.8	12.4
	5SR	18.4	19.3
	5	28.0	29.4
	Reverse		
	1SR	1.9	2.1
	1	3.0	3.3
	2SR	4.6	5.2
2	7.0	7.9	
3SR	3.7	4.2	
3	5.9	6.6	
4SR	9.2	10.3	
4	13.9	15.7	
5SR	21.6	24.4	
<b>POWER TAKE OFF</b>	Maximum power	121.3hp, 89.2kW	137hp, 101kW
	Power at 540 rev/min	121.1hp	136hp
	Power at 1000 rev/min	121.1hp	137hp
	Type	Two-speed	Two-speed
	No. of splines	21	21
	Engine rev/min at 540 rev/min PTO	2118	2118
	Engine rev/min at 1000 rev/min PTO	2136	2136
	Clutch type	Independent	Independent
<b>HYDRAULICS</b>	Maximum pressure	2488lb/in <sup>2</sup> 175Kg/cm <sup>2</sup>	2488lb/in <sup>2</sup> 175Kg/cm <sup>2</sup>
	Flow	11 gal/min 50 lit/min	11 gal/min 50 lit/min
	Power	18.7hp, 13.8kW	20.2hp, 14.9kW
	Linkage lift with horizontal assister	9352lb, 4242Kg	10000lb, 4538Kg
	Sensing	Lower link	Lower link
	Linkage category	2	2
	Optional remotes	3	3
<b>DRAWBAR</b>	Maximum pull	19465lb/8829Kg	20500lb/9299Kg
	Maximum power	106hp, 78.5kW	119hp, 87.9kW
<b>BRAKES</b>	Type	Drum	Drum
	Diameter	10.6in, 27cm	10.6in, 27cm
<b>STEERING</b>	Type	Hydrostatic	Hydrostatic
	Turning radius with brakes without brakes	193in, 490cm 224in, 570cm	193in, 490cm 224in, 570cm
<b>ELECTRICAL</b>	Battery	143Ah	143Ah
	Alternator	55 Amp	55 Amp
<b>CAPACITIES</b>	Fuel tank	44 gal, 200 lit	44 gal, 200 lit
	Cooling system	6.9 gal, 31.4 lit	6.9 gal, 31.4 lit
	Engine sump	2.7 gal, 12.5 lit	2.7 gal, 12.5 lit
	Transmission case	9.2 gal, 42 lit	9.2 gal, 42 lit
<b>DIMENSIONS</b>	Wheelbase	110in, 280cm	110in, 280cm
	Width	93in, 237cm	93in, 237cm
	Height over cab	113in, 287cm	114in, 290cm
	Front track	69-76in, 174-194cm	69-76in, 174-194cm
	Rear track	72-84in, 182-212cm	72-84in, 182-212cm
<b>WEIGHTS</b>	Total	11800lb, 5350Kg	12713lb, 5767Kg
<b>WHEEL EQUIPMENT</b>	Front	13.6-28/11.00-16	16.9-28 Radial
	Rear	18.4-38 Radial	20.8-38 Radial
<b>CAB</b>	Noise level	Below 85dBA	Below 85dBA

This literature has been published for worldwide circulation. As availability of equipment builds vary according to the country in which the equipment is to be used, the illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Case International Distributor/Dealer will be able to give you details of the products and their specifications available in your area.

The company's policy is one of continuous improvement and development. Therefore specifications are subject to change without notice. Whilst every effort is made to uphold accuracy within literature, the company accepts no responsibility for discrepancies which may occur between the specifications of its machines and the descriptions thereof contained in its publications.



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