



56 SERIES

85-105 DIN HP

WITH THE UNIQUE
SENS-O-DRAULIC
SYSTEM



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 Britain. 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 56 SERIES

The 56 Series draws on a long heritage of tried and tested middle-weight machines that have become renowned for their technical innovation, their long service and reliability.

Now with the world's most advanced hydraulic system – the Sens-O-Draulic system – the 3 models in the 56 Series set new standards of excellence in the field. Never before have operators been able to control implements with such accuracy or such ease, which leads to greater productivity and less strain on the operator.

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 achieve the best results with the minimum of effort.

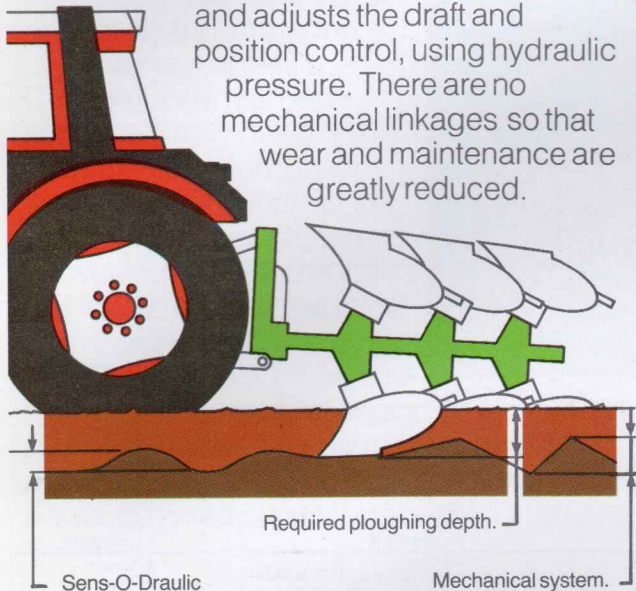


SENS-O-DRAULIC

THE WORLD'S MOST ADVANCED HYDRAULIC SYSTEM

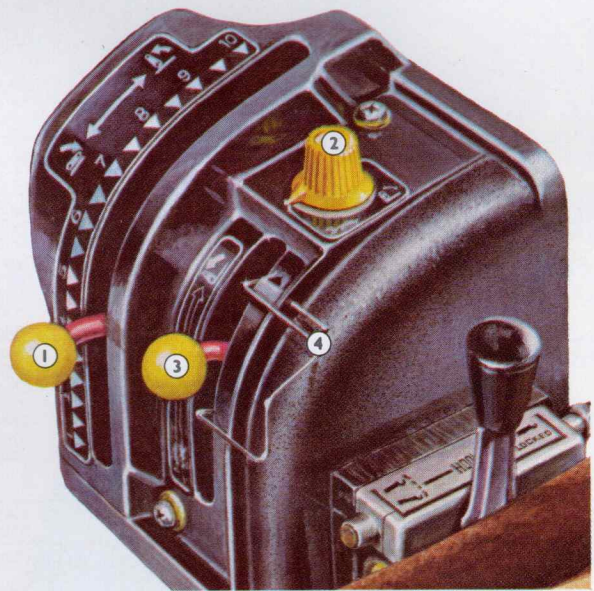
The unique Sens-O-Draulic system with lower link sensing offers unparalleled precision and finger-tip control over mounted implements.

The 7-component Sens-O-Draulic system automatically senses and adjusts the draft and position control, using hydraulic pressure. There are no mechanical linkages so that wear and maintenance are greatly reduced.



1. Setting control lever. Sets height or depth of implement.
2. Mode selector. Gives either position or draft control, or any combination of the two.
3. Main control lever. Once the implement is set, this lever controls the fast raise, work, lower and float.
4. Safety lock. When in transport position, the safety lock restricts movement of main control lever. When operating PTO implements engage the safety lock to prevent damage to the power shaft through inadvertent lifting.

Exterior control. Remote control dial on right hand rear fender makes it easier and safer to hitch up.



Main controls are located conveniently to the right of the driver's seat. There is also a remote position control mounted on the rear fender to operate the three-point linkage from outside the cab.

THREE POINT LINKAGE

Category 2 three-point linkage with lower link sensing, telescopic stabilizers, automatic pick-up hitch and trailer braking facility are standard. Hydraulic power for these facilities comes from an engine mounted dual pump. This gives a massive lift capacity of 8071 lbs on the 856XL and 9833 lbs on the 956XL and 1056XL.



MORE POWER TO THE PTO

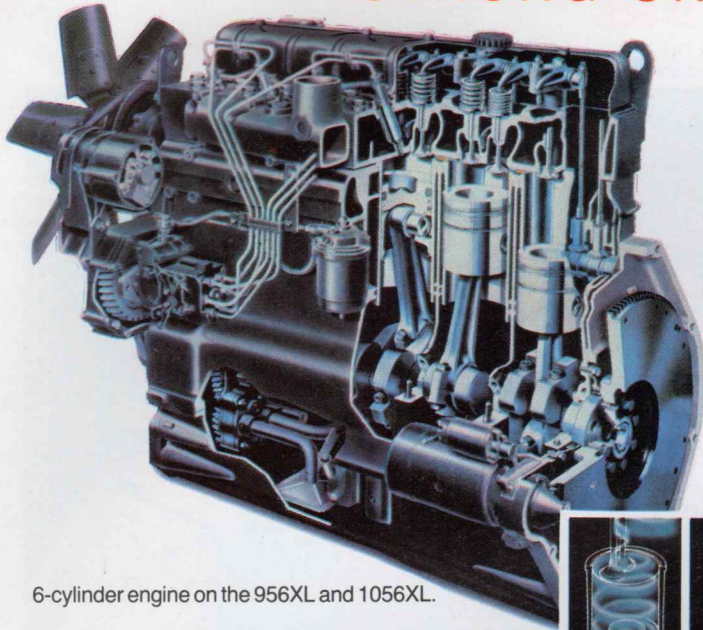
Each model has independent, dual speed PTO with two output shafts. These comprise a six spline 540 rpm shaft and a twenty-one spline 1000 rpm shaft, engaged through a hand-operated independent clutch.

PTO performance is high in relation to engine power – better than almost every other

range in the class – with power outputs from 80 hp (856XL) to 98hp (1056XL).

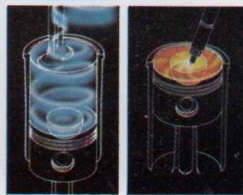
A ground speed PTO facility is standard on all 4WD models. So whatever your PTO requirements, there's a 56 Series machine to match them.

HIGH PERFORMANCE ENGINES, STRONG ON ECONOMY



6-cylinder engine on the 956XL and 1056XL.

Helicoidal designed intake port swirls the air, generating high turbulence to ensure complete combustion of the fuel charge.



Powerful, economical, adaptable, reliable. Much has been written of the 56 Series engines.

All are direct injection, water-cooled units with a power range of 85-105 DIN hp. The 856 XL engine, which has 4 cylinders, is also turbo-charged, boosting the power by 30% over a normally aspirated engine. The two larger models have 6-cylinder engines.

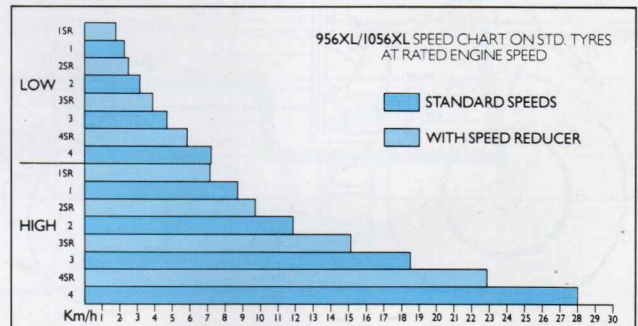
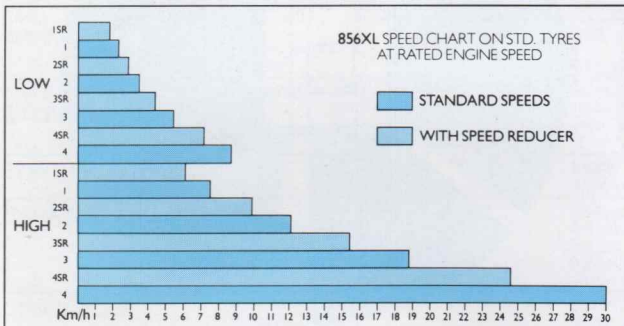
The ingenious engine design means less time spent servicing, ease of access to all major engine components and a high percentage of interchangeable parts. But above all it means unparalleled fuel efficiency.

So a 56 Series tractor spends its time adding to your productivity. Not your fuel bill.

TRANSMISSION - THE RIGHT GEAR FOR THE JOB

Versatility means profitability. This was the key thought behind the layout of the 56 Series transmissions. Each model has synchromesh transmission, giving 16 forward and 8 reverse speed ranges, together with a

synchromesh speed reducer which gives a 20% speed reduction in each gear. All are controlled from the transmission console to the right of the driver's seat.



4-WHEEL DRIVE FOR EXTRA GRIP AND ECONOMY



56 Series tractors are available with 2WD and 4WD to cope with all types of terrain. Each machine has been specifically designed to take the proven ZF 4WD front axle, chosen for its uncompromising quality of 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 in adverse conditions.

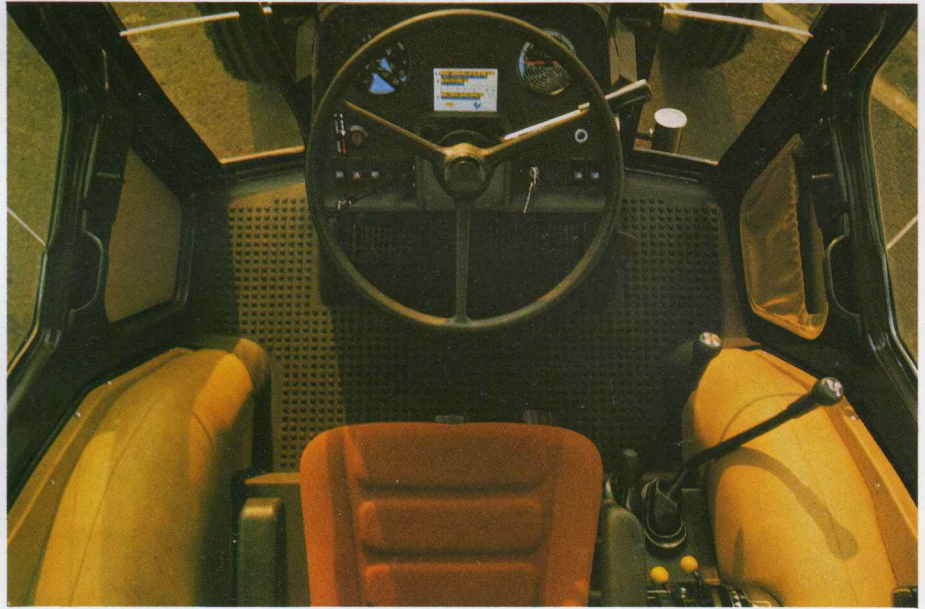
4WD is also about economy. Saving fuel by reducing wheel slip. Saving wear by placing less strain on engine, gearbox and tyres. At the same time it can increase drawbar pull by as much as 15% over difficult ground. All of which places less stress on the driver – and that must be good for productivity.

THE XL CONTROL CENTRE: LUXURY WITH A PURPOSE

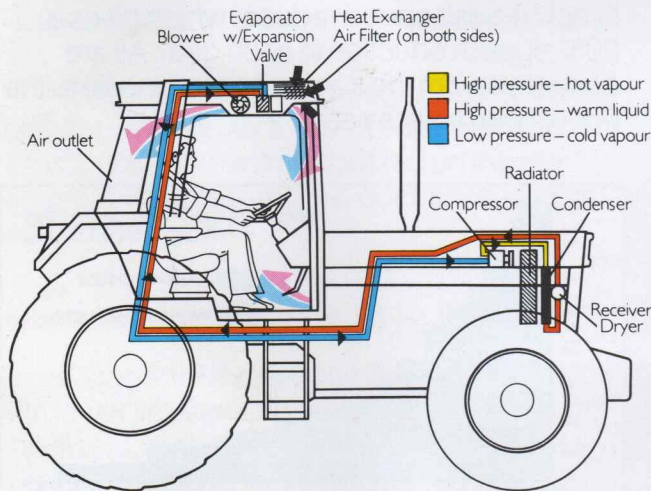
The development of the XL Control Centre bears out our commitment to the highest standards of comfort and safety. Light in weight and strong in construction, the cab provides first class protection and ample room.

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.

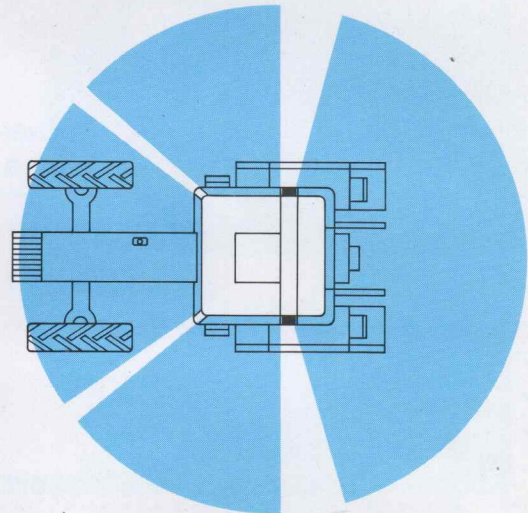
The cab is ISO-mounted to reduce engine vibration and efficient use of sound insulation material cuts noise levels to below 85dB, well within the legal maximum. All-round tinted glass stops harmful glare and



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.



56 SERIES SPECIFICATIONS

		856XL	956XL	1056XL
ENGINE	Power (DIN NET)	85hp, 63kW at 2300 rev/min	95hp, 70kW at 2200 rev/min	105hp, 77kW at 2300 rev/min
	Max torque	322Nm at 1400 rev/min	364Nm at 1400 rev/min	378Nm at 1400 rev/min
	Torque at rated speed	264Nm	307Nm	321Nm
	Fuel at maximum power	233g/kWh	242g/kWh	242g/kWh
	Bore X Stroke	98.4 x 128.5mm	98.4 x 128.5mm	98.4 x 128.5mm
	Number of cylinders - capacity	4-3911cc	6-5867cc	6-5867cc
	Compression ratio	16:1	16:1	16:1
	Governed range	650-2490 rev/min	750-2380 rev/min	750-2500 rev/min
CLUTCH	Diameter ENG/PTO (independent)	310mm/310mm	310mm/310mm	310mm/310mm
GEARBOX	Type	Synchromesh	Synchromesh	Synchromesh
SPEEDS (Km/hr)	Minimum at 540 PTO	1.5	1.5	1.5
	Low			
	1SR	1.8	1.8	1.8
	1	2.2	2.2	2.2
	2SR	2.9	2.5	2.5
	2	3.5	3.1	3.1
	3SR	4.4	3.9	3.9
	3	5.4	4.7	4.7
	4SR	7.1	5.9	5.9
	4	8.7	7.2	7.2
	High			
	1SR	6.1	7.1	7.1
	1	7.5	8.7	8.7
	2SR	9.9	9.7	9.7
	2	12.1	11.9	11.9
	3SR	15.4	15.1	15.1
	3	18.8	18.5	18.5
	4SR	24.6	22.9	22.9
	4	30.0	28.0	28.0
	Reverse			
	1SR	3.5	2.7	2.7
	1	4.3	3.3	3.3
	2SR	5.7	3.7	3.7
	2	7.0	4.6	4.6
3SR	8.9	5.8	5.8	
3	10.9	7.1	7.1	
4SR	14.3	8.6	8.6	
4	17.4	10.7	10.7	
POWER TAKE OFF	Maximum power	80hp, 59kW	89hp, 65.5kW	98hp, 72.2kW
	Power at 540 rev/min	75.7hp	81.5hp	91hp
	Power at 1000 rev/min	78hp	86hp	95hp
	Type	Two-speed	Two-speed	Two-speed
	No. of splines	6 and 21	6 and 21	6 and 21
	Engine rev/min at 540 rev/min PTO	1925	1916	1925
	Engine rev/min at 1000 rev/min PTO	2110	2105	2110
Clutch type	Independent	Independent	Independent	
HYDRAULICS	Maximum pressure	2346lb/in ² 165Kg/cm ²	2346lb/in ² 165Kg/cm ²	2346lb/in ² 165Kg/cm ²
	Flow	6.5 gal/min 30 lit/min	9.2 gal/min 42 lit/min	9.2 gal/min 42 lit/min
	Power	9.9hp, 7.3kW	12.9hp, 9.5kW	14.6hp, 10.8kW
	Maximum lift at link ends	8071lb, 3661Kg	9833lb, 4460Kg	9833lb, 4460Kg
	Sensing	Lower link	Lower link	Lower link
	Linkage category	2	2	2
	Optional remotes	3	3	3
DRAWBAR	Maximum pull (4WD)	15430lb/7000Kg	17855lb/8099Kg	18116lb/8217Kg
	Maximum power (4WD)	70.2hp, 51.7kW	78.5hp, 57.8kW	84.8hp, 62.4kW
BRAKES	Type	Disc	Power assisted disc	Power assisted disc
	Number per side	1	1	1
	Diameter	8.9in, 22.6cm	10in, 25.4cm	10in, 25.4cm
HYDROSTATIC STEERING	Turning radius -2WD with brakes	152in, 385cm	173in, 440cm	173in, 440cm
	-2WD without brakes	167in, 425cm	199in, 505cm	199in, 505cm
	-4WD with brakes	186in, 473cm	185in, 470cm	185in, 470cm
	-4WD without brakes	201in, 510cm	211in, 535cm	211in, 535cm
ELECTRICAL	Battery	110Ah	110Ah	110Ah
	Alternator	33 Amp	55 Amp	55 Amp
CAPACITIES	Fuel tank	23.3 gal, 106 lit	30.8 gal, 140 lit	30.8 gal, 140 lit
	Cooling system	4.6 gal, 21 lit	5.3 gal, 24 lit	5.3 gal, 24 lit
	Engine sump	2.6 gal, 12 lit	2.6 gal, 12 lit	2.6 gal, 12 lit
	Transmission case (2WD)	9.2 gal, 42 lit	9.2 gal, 42 lit	9.2 gal, 42 lit
	Transmission case (4WD)	10 gal, 45.5 lit	10.1 gal, 46 lit	10.1 gal, 46 lit
DIMENSIONS	Wheelbase (2WD)	93.9in, 239cm	103.4in, 263cm	103.4in, 263cm
	Wheelbase (4WD)	92.5in, 235cm	101.9in, 259cm	101.9in, 259cm
	Width	80.7in, 205cm	91in, 230cm	91in, 230cm
	Height to top of control centre	105in, 267cm	109in, 278cm	109in, 278cm
	Front track (2WD)	53-72in, 134-182cm	64-76in, 163-193cm	64-76in, 163-193cm
	Front track (4WD)	63-71in, 160-181cm	68-76in, 172-193cm	68-76in, 172-193cm
	Rear track	62-78in, 157-197cm	67-87in, 170-220cm	67-87in, 170-220cm
WEIGHT	Total (2WD)	7690lb, 3489Kg	9458lb, 4290Kg	9458lb, 4290Kg
	Total (4WD)	8690lb, 3843Kg	10538lb, 4780Kg	10538lb, 4780Kg
WHEEL AND TYRE EQUIPMENT	2WD Front	7.50-18	10.00-16	10.00-16
	2WD Rear	10.00-16 16.9-34R	16.9-38R	16.9-38R
	4WD combinations (front/rear)	13.6-38R 12.4-24/16.9-34R 12.4-24/13.6-38R	12.4-28/16.9-38R	12.4-28/16.9-38R
CAB	Noise level (dB)	Below 85	Below 85	Below 85

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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