

QUANTUM V/N SERIES TRACTORS

CASE II
AGRICULTURE



THE SPECIALTY TRACTORS

Whether you operate in close planted vineyards, with bush grown fruits or wider spaced orchard trees, Quantum specialty tractors allow you to care for these high value crops and maximise harvest revenue.



MODEL	RATED ENGINE POWER (TIER III) KW/hp	FRONT AXLE	MIN. WIDTH mm	TRANSMISSION OPTIONS
QUANTUM V SERIES				
QUANTUM 65V	48 / 64	2WD / 4WD	1071 with 11.2 R24 tyres	16 x 16 Synchro shuttle up to 44 x 16 2-speed Powershift with creeper
QUANTUM 75V	57 / 76	2WD / 4WD	1071 with 11.2 R24 tyres	16 x 16 Synchro shuttle up to 44 x 16 2-speed Powershift with creeper
QUANTUM 85V	65 / 87	2WD / 4WD	1071 with 11.2 R24 tyres	16 x 16 Synchro shuttle up to 44 x 16 2-speed Powershift with creeper
QUANTUM 95V	71 / 95	2WD / 4WD	1071 with 11.2 R24 tyres	16 x 16 Synchro shuttle up to 44 x 16 2-speed Powershift with creeper
QUANTUM N SERIES				
QUANTUM 75N	57 / 76	2WD / 4WD	1236 with 12.4 R28 tyres	16 x 16 Synchro shuttle up to 44 x 16 2-speed Powershift with creeper
QUANTUM 85N	65 / 87	2WD / 4WD	1236 with 12.4 R28 tyres	16 x 16 Synchro shuttle up to 44 x 16 2-speed Powershift with creeper
QUANTUM 95N	71 / 95	2WD / 4WD	1236 with 12.4 R28 tyres	16 x 16 Synchro shuttle up to 44 x 16 2-speed Powershift with creeper



NARROW BY DESIGN, POWERFUL BY NATURE.

In narrow vineyards the Quantum V models with an operating width of 1.1 metre will be the obvious choice, whilst the wider Quantum N gives more stability when width is less of an issue. However, all 7 models are available in either cab or platform versions to suit your operating conditions and specific application.



DRIVEN WITH CONFIDENCE.

Easy access, a comfortable seat, good visibility and logically positioned controls enables every driver to operate confidently.



DESIGNED FOR PRODUCTIVITY.

High torque, low revving 4 cylinder engines are turbocharged and intercooled to extract the maximum from every drop of fuel.



EFFECTIVE PERFORMANCE.

From the precision tasks of the growing season to high speed transport during harvest, Quantum tractors have the ideal gear ratio.





APPLICATION DRIVEN HYDRAULICS.

A choice of remote valve options with up to 64 l/min will power the hydraulic functions and motors of the most complex implements.



OPTIMUM HANDLING.

Impressive manoeuvrability, powerful brakes, and automatic 4WD systems will meet the challenges in your operation.



ACCESS ALL AREAS.

A low cab height and optional folding safety frame version enables operation to continue under polytunnels and protection nets.



The new **Case IH Quantum V** and **Quantum N** Specialty tractors have the versatility to fit the needs of your business operation.

NARROW ON THE OUTSIDE, SPACIOUS ON THE INSIDE.

The Quantum is equipped with a high-specification cab that gives you plenty of headroom. While the tractor is compact and narrow on the outside, you have lots of room on the inside. An ergonomic control layout and fully adjustable seat and steering wheel mean your body and mind are never under stress. Toughened glass panels down to the floor provide excellent all-round visibility right down to the ground. In addition to making your work easier while hitching up implements, you also have a commanding view of your valuable crops. There are no protrusions or edges on the hood or cab that might snag on branches or shoots so the Quantum brushes past without damaging your crop.



EASY TO DRIVE.

The instrument cluster includes a performance monitor, an electronic tachometer, and features a combination of analogue and digital displays to give you a clear overview of the tractor's status.



HEALTHY ENVIRONMENT.

On cab models the front and rear windows open for fresh air ventilation.

The Quantum ECO cab features air conditioning and active carbon filters to improve your comfort. Internal and external filters remove more dust particles.

Working lights integrated into the roof for excellent night vision.



MINIMUM HEIGHT.

The foldable ROPS is beneficial for low clearance operations.

IMPLEMENTS ALWAYS IN VIEW.

With slim cab pillars and rear view mirrors the vision to working implements or following sprayers is never at issue. Logically positioned controls and clear, concise instrumentation displays all relevant operating information.



QUANTUM MEANS CHOICE.

High-performance turbocharged and intercooled diesel engines have been engineered especially for Quantum N and Quantum V tractors to give you the power you need. From working with a compact harrow through to complex operations with PTO-driven equipment and heavy hydraulic kit, Quantum power will deliver. Effortlessly. With 3.2 litre or 4.5 litre displacement, the engines of Quantum are in a class of their own when it comes to available torque, speed of response and fuel efficiency. With seven models ranging from 65 to 95 horsepower, the choice is yours.





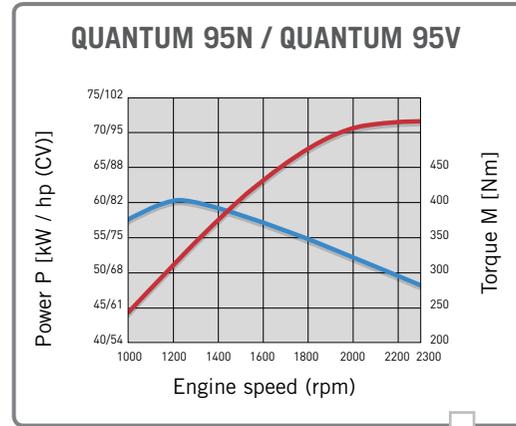
QUANTUM MEANS ECONOMY.

These highly efficient, fuel sipping engines keep running all day long with a fuel tank capacity of 73 litres (Quantum V) and 77 litres (Quantum N). **Refuelling is easy from the ground without opening the hood.** Exhaust emissions are low too, thanks to tier 3 compatibility, so there are no complaints from people working outside in the vicinity of these environmentally-friendly tractors.



TURBOCHARGED AND INTERCOOLED.

Quantum engines are equipped with **turbocharger and an air to air intercooler to boost thermal efficiency** and extract maximum power from every drop of fuel. These engines reach maximum torque output at 1250 rpm (3.2 litre engines) and 1300 rpm (4.5 litre engines) so they can operate extremely efficiently at the standard speeds for working with PTO-driven machines.



QUANTUM MEANS POWER.

The 4.5 litre engines turn out a massive 398 Nm of torque at 1300 rpm, so the torque rise of up to 46% translates into smooth delivery of power to the wheels, PTO and hydraulics to cope effortlessly with peak demand on slopes and in the toughest conditions.



EASY MAINTENANCE.

Quantum engines allow easy access for cleaning and servicing.

EFFICIENT AND ECONOMICAL HANDLING.

An array of transmission options means you choose the one that fits your operation. Quantum tractors are equipped with a heavy-duty precision transmission for smooth, reliable operation year after year.

The basic transmission gives you a Synchro Shift gearbox with 4 speeds and 4 ranges and the option of a 12-speed creeper box. With the creeper you then have a total of 28 forward gears and 16 reverse gears at your disposal. The Powershift version doubles the number of forward speeds, so with a creeper box you have 44 gears to choose from.





SYNCHRO SHUTTLE.

A steady progression between ranges and synchronised gear changes ensure easy, efficient and low effort operation. 16 forward/16 reverse is standard, 32 forward/16 reverse with mechanical splitter also available.



ALL THE POWER YOU NEED.

Powershift, Powerclutch, Powershuttle and creep speeds are available for the easiest operation and highest productivity. The Quantum is ideally suited to specialist orchard and vineyard farming.



POWERCLUTCH.

At the touch of a button, shift between any main gear without operating the clutch pedal.



Optional 16x16, 32x16 and 44x16 powershuttle transmissions eliminate the need to work the clutch.

BIG TRACTOR LIFTING POWER.

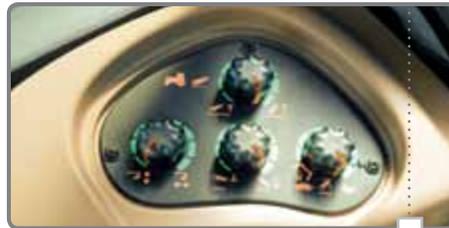
Quantum specialist orchard and vineyard tractors are kitted out with a powerful hydraulic hitch in classic Case IH style. The proven LIFT-O-MATIC system is designed to make light work of heavy-duty tasks. Both mechanical and electronic hitch control systems are equipped with automatic draft control. Lifting power that contributes to the efficiency and profitability of your business.

The PTO is designed to give you economical power delivery in all conditions.



EASY HITCH CONTROL.

Mechanical hitch control is standard and features an easy to use quick raise and lower control.



ELECTRONIC HITCH CONTROL.

The electronic hitch control is provided to ensure efficiency during tillage and soil cultivation operations. Like on larger tractors, with EHC you can set the lift height on the dial and then raise and lower the hitch automatically at the flick of a switch.



STRAIGHTFORWARD HANDLING FROM THE GROUND.

Fender-mounted hitch controls allow safe and easy attachment of machines and implements, even when working on your own.





BIG CAPACITY AND PRECISION.

With a rear linkage capacity of up to 2360 kg, Quantum is never short on ability.

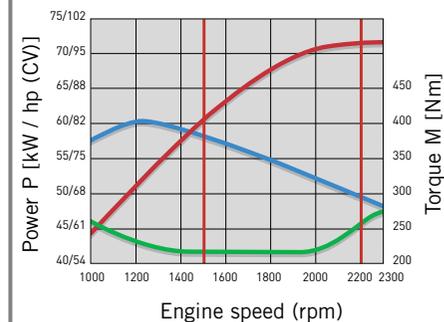
A hydraulic stabilizer strut system is available to make alignment possible on the move. The hydraulic struts are connected to the 1st remote valve, which is a double-acting connection. Using the 3-button control panel next to the driver's seat, you can adjust the alignment of hitch-mounted equipment while you are driving along. This is ideal when working along a slope.



TAKE ON MORE WITH 3-SPEED PTO.

Quantum tractors feature a 540/750 rpm PTO as standard equipment. You can also specify 540/540E/1000 speeds for even more versatility. PTOs on all models are servo-assisted to protect machinery from high torque stress when starting up. Combined with the creeper box, the ground speed PTO makes these tractors ideal for precision planting work etc. at speeds as low as 300 m/hr.

QUANTUM 95N / QUANTUM 95V



QUANTUM 95N / QUANTUM 95V CURVES.

PTO is operated at 2200 engine rpm or at 1535 engine rpm in Economy mode for power and efficiency.

VERSATILE OPERATION.

In addition to the impressive lifting power of the hitch, Quantum tractors are equipped with a hydraulics system that delivers the versatility you need to do a varied day's work. Firstly, there is a dedicated 28 l/min hydraulic pump (35 l/min with Mega-flow pump) for the steering system, so there is no loss of response even while all other hydraulic services are in full demand. Secondly, there is 48 l/min pump (64 l/min with Mega-flow pump) to supply the hitch and remote valves.



MULTIPLE OPERATION.

With up to 3 double acting remote valves **it is possible to control complex machines with ease.**



EVERY EVENTUALITY COVERED.

The remote valve system and adjustable ensure that you can take on any job requiring complex machinery and precision operation. Three remote valves are double-acting with an option of an electro-hydraulic diverter function on a further 2 valves. **The flowrate to the first remote valve can be adjusted easily.**



FAST CYCLE TIMES.

With up to 64 l/min available flow to the remote valves, cycle times are minimised and **productivity is maximised.** Additional hydraulic booster connected to lift cylinder for additional load bearing capacity.



TRANSLATING POWER INTO PRODUCTIVITY.

Our Quantum V and Quantum N tractors are equipped with the latest technology to convert power into torque at the wheels as you need it. Narrow engines plus a contoured hood enable the front wheels to lock at a really tight angle. A turning radius of just 3.3 metres is achievable on 2WD versions, making light work of turns at the end of rows, even in confined spaces between vines and inside tunnels. Those features contribute to the efficiency and profitability of your business.





**IMPRESSIVE
MANOEUVRABILITY FOR
CONFIDENT HANDLING.**

An impressive steering angle, axle oscillation and short wheelbase ensure maximum agility.

Low centre of gravity provides superior stability and optimised operation on inclines.



AUTO 4WD TRACTION.

Auto 4WD disengage and engage automatically e.g. on tight corners, when braking and depending on forward speed.



A CLEAR VIEW.

Front fenders are available as an option for both 2WD and 4WD tractors to keep window glass clear whatever the weather conditions.



Confident handling on and off the road through wet inboard disc brakes and differential lock.

MORE THAN TRACTORS TO WORK FOR YOU: WE'VE GOT PEOPLE TO WORK WITH YOU.

When you buy a Case IH machine, you can be sure not only that you're buying the best product, but also that you've got the best dealer back-up behind you. Case IH dealers can offer advice on selecting the right machine, will ensure they deliver what you need when you need it, and will then continue to back you and your equipment with the service and spare parts backing you'd expect from a name as trusted as Case IH.

SKILLED BUSINESS ADVISOR AT YOUR DEALERSHIP DEMAND MORE FROM YOUR CASE IH DEALERSHIP.

Purchasing a standalone piece of new equipment? Keeping a whole fleet up-to-date? Whatever your size of operation, contact your local Case IH dealership for professional advice on your business needs. Case IH knows your farming needs best.



MAINTAIN THE PRODUCTIVITY OF YOUR INVESTMENT.

Case IH and its dedicated dealer network provide excellent support when you take delivery of your new machine and whilst it remains in your ownership. On the farm, you can rely on trained service professionals to maintain the productivity of your investment.



DO NOT RISK YOUR MACHINE'S LIFE BUY CNH INDUSTRIAL PARTS & SERVICE!

Protect the value of your investment. Behind every Case IH product stands an extensive parts logistics organisation, stocking parts for products both old and new. Choosing to fit genuine Case IH parts will maintain the safety, value and performance of your original investment.



MODELS	QUANTUM 65V	QUANTUM 75V	QUANTUM 85V	QUANTUM 95V	QUANTUM 75N	QUANTUM 85N	QUANTUM 95N
ENGINE							
No. of cylinders / capacity (cm ³)	4 / 3200	4 / 3200	4 / 3200	4 / 4500	4 / 3200	4 / 3200	4 / 3200
Engine type	Tier 3, Turbocharged and Intercooled			Tier 3, Turbocharged and Intercooled			
Rated engine power ECE R120 ¹⁾ (kW/hp)	48 / 64	57 / 76	65 / 87	71 / 95	57 / 76	65 / 87	71 / 95
Max torque ECE R120 ¹⁾ (Nm @ engine rpm)	290 @ 1250	330 @ 1250	352 @ 1250	398 @ 1300	330 @ 1250	352 @ 1250	398 @ 1300
Torque rise acc. OECD (%)	46	39	30	35	39	30	35
Fuel tank capacity (litres)	73	73	73	73	77	77	77
TRANSMISSION							
Synchro shuttle - Standard (Optional)	16 Fwd / 16 Rev (32 Fwd / 16 Rev with mechanical splitter)			16 Fwd / 16 Rev (32 Fwd / 16 Rev with mechanical splitter)			
Powershuttle - Standard (Optional)	16 Fwd / 16 Rev (32 Fwd / 16 Rev with 2 speed powershift)			16 Fwd / 16 Rev (32 Fwd / 16 Rev with 2 speed powershift)			
Creep speed - Synchro (Powershuttle)	28 Fwd / 16 Rev (44 Fwd / 16 Rev with 2 speed powershift)			28 Fwd / 16 Rev (44 Fwd / 16 Rev with 2 speed powershift)			
DRIVE AND STEERING							
Front axle type	optional 2WD or 4WD			optional 2WD or 4WD			
4WD front axle standard	electro-hydraulic engagement with limited slip or full differential lock			electro-hydraulic with limited slip or full differential lock			
4WD optional feature	automatic 4WD and diff lock operation linked to steering angle			automatic 4WD and diff lock operation linked to steering angle			
Turning radius 4WD (mm)	3340	3340	3340	3440	3340	3340	3440
POWER TAKE OFF							
Type	electro-hydraulic engagement			electro-hydraulic engagement			
Standard Rear pto speeds	540 / 540E			540 / 540E			
Optional speeds available	1000 rpm + Proportional Ground Speed			1000 rpm + Proportional Ground Speed			
HYDRAULIC SYSTEM							
Max pump flow - steering system	28 l/min (35 l/min with high flow pump)			28 l/min (35 l/min with high flow pump)			
Max pump flow - rear hitch and external services	48 l/min (64 l/min with high flow pump)			48 l/min (64 l/min with high flow pump)			
Remote valves	max 3 rear with optional electro-hydraulic diverter function on up to 2 valves			max 3 rear with optional electro-hydraulic diverter function on up to 2 valves			
Rear linkage control type	MHC (Mechanical Hitch Control) or EHC (Electronic Hitch Control)			MHC (Mechanical Hitch Control) or EHC (Electronic Hitch Control)			
Rear linkage stabilisers	Manual adjustment or hydraulic adjustment with independent valve			Manual adjustment or hydraulic adjustment with independent valve			
Rear lift Capacity (kg)	2360	2360	2360	2360	2360	2360	2360
WEIGHTS* AND DIMENSIONS ²⁾							
Minimum weight - 2WD less cab / 4WD cab (kg)	2320 / 2710	2320 / 2710	2320 / 2710	2410 / 2790	2405 / 2765	2405 / 2765	2495 / 2855
Max permissible weight - 2WD less cab / 4WD cab (kg)	3650 / 3800	3650 / 3800	3650 / 3800	3650 / 3800	3650 / 4000	3650 / 4000	3650 / 4000
Wheelbase - 2WD / 4WD (mm)	2080 / 2095	2080 / 2095	2080 / 2095	2165 / 2180	2080 / 2095	2080 / 2095	2165 / 2180
Max height ³⁾ over steering wheel / ROPS (mm)	1315 / 2245	1315 / 2245	1360 / 2290	1400 / 2380	1410 / 2340	1410 / 2340	1460 / 2440
Max height ³⁾ standard cab (mm)	2145	2145	2190	2190	2235	2235	2250
Min width on standard tyres ³⁾ (mm)	1080	1080	1200	1200	1305	1305	1530
Minimum width (mm) on rear tyres	1071 mm with 11.2 R24			1236 mm with 12.4 R28			
Min - Max track width, front 2WD (mm)	856 - 1088	856 - 1088	856 - 1088	856 - 1088	1002 - 1214	1002 - 1214	1002 - 1214
Min - Max track width, front 4WD (mm)	835 - 1049	835 - 1049	835 - 1049	835 - 1049	1041 - 1275	1041 - 1275	1041 - 1275
Min - Max track width, rear (mm)	781 - 1261	781 - 1261	781 - 1261	781 - 1261	943 - 1350	943 - 1350	943 - 1350
STANDARD TYRES*							
Front 2WD, 4WD	7.00-12, 8.0/75-15	7.00-12, 8.0/75-15	7.00-12, 240/70 R16	7.00-12, 240/70 R16	7.00-12, 260/70 R16	7.00-12, 260/70 R16	7.00-12, 280/70 R18
Rear	280/85 R24	280/85 R24	320/85 R24 (12.4 R24)	320/85 R24 (12.4 R24)	340/85 R24	340/85 R24	420/70 R28

 SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment.

Case IH recommends  lubricants.

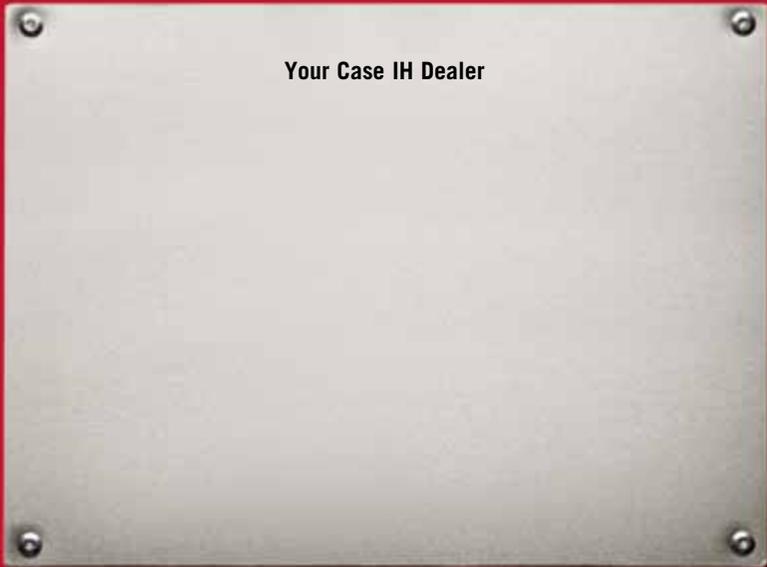
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The logo features the text "CASE IH" in a bold, black, sans-serif font. The "I" and "H" are stylized with three vertical bars of increasing height. Below this, the word "AGRICULTURE" is written in a smaller, black, sans-serif font, positioned above a red horizontal bar that spans the width of the text.

CASE IH
AGRICULTURE

A rectangular metal plate with four screws at the corners. The text "Your Case IH Dealer" is centered on the plate.

Your Case IH Dealer