

QUANTUM TRACTORS 75 - 107 HP

CASE

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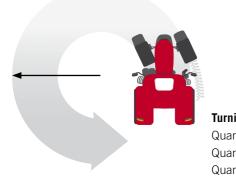
CASE IH QUANTUM

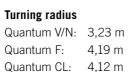
There is a model to meet your needs



Whatever you require in a specialty tractor, we are confident you will find what you need in the new Quantum range. With four models from 75 to 107 horsepower available, there is a Quantum to fit your criteria whether you produce grape, grow fruit or require a narrow tractor for other tasks. And with new CL models joining the range, there is now also a Quantum for general utility applications. These tractors combine everything you expect of a Case IH machine with the specifics required from a specialty tractor. Hence, all models feature the latest in intelligent design and retain the slim dimensions, tight turning circle and focus on driver comfort for which Quantum models have become renowned. They also include a whole host of new features and can be specified exactly as you require them.

QUANTUM SERIES. FIND YOURS.



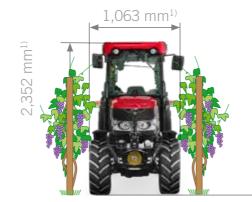




THE TRACTORS FOR ANY SPECIALITY TASK

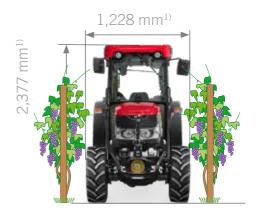
Case IH Quantum

Quantum tractors are available in four distinct versions, and precisely suit the needs and requirements of specific markets:



QUANTUM V

Designed to perfectly fit the row widths common to most vineyards, V models are 1,063mm wide and specified to meet the demanding requirements of today's grape growers. These are tractors built to make tasks such as spraying simple and easy.



QUANTUM N

At 1,228mm wide on standard 320/85 R24 tyres, N models are a great fit for any operation where a sub-1.3m width is a crucial design element. If you need a narrow machine, take a look at what a Quantum N can offer.

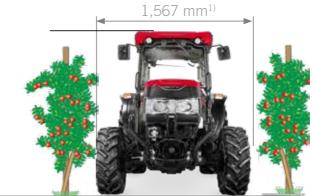




QUANTUM F

The 1,382mm-wide F models meet the row width requirements of the most common orchard row spacings, and feature specifications designed to meet fruit market requirements, from high hydraulic flow to standard four-wheel drive.

2,375 mm¹⁾



QUANTUM CL

A new addition to the range, CL models are designed to bring the benefits of Quantum engineering to a wider span of markets. At 1,567mm wide, they are suited to a broader range of field tasks, yet retain the key features for which Quantum tractors are well-known. With a low centre of gravity, they are sure-footed and stable when working on hillsides or with a loader.

THE SPECIFICATIONS YOU DEMAND

Available in vineyard, fruit and narrow versions, as well as new CL models, Quantum tractors come in a broad range of specifications, ranging from basic ROPS models to cabbed versions with switchable Class 2/Class 4 filtration. There is a Quantum to suit every application.

THOP

THE SPECIFICATION YOU NEED

The versatility you demand

Take a look at a new Quantum, and you'll see that, on the outside, it is clearly one of the Case IH family. Smooth lines and sleek details make for stylish machines, while their looks also have a practical purpose. They ensure that delicate trees and vines remain undamaged as the tractor passes by them, and allow the front wheels to tuck in tightly when turning. These are tractors that are not just easy on the eye – they are also easy on your crops.

QUANTUM. CARING FOR YOUR CROPS.

MODELS	Quantum 80 V/N/F & CL	Quantum 90 V/N/F & CL	Quantum 100 V/N/F & CL	Quantum 110 V/N/F & CL	
N° of cylinders / capacity (cm ³)	4 / 3,400	4 / 3,400	4 / 3,400	4 / 3,400	
Rated engine power (kW / cv)	55 / 75	63 / 86	73 / 99	79 / 107	
Max. torque (Nm @ engine rpm)	309 @ 1,500	351 @ 1,500	407 @ 1,500	444 @ 1,500	
Transmission	2WD* / 4 WD	2WD* / 4 WD	2WD* / 4 WD	2WD* / 4 WD	
Versions	ROPS / Cab	ROPS / Cab	ROPS / Cab	ROPS / Cab	

*Not available on Quantum F and CL



FRESH AIR WHATEVER THE WORK

The new Quantum tractors are available with a switchable air filtration system that can be easily altered according to the task. The default setting is standard Level 2 filtration to remove dust from incoming ventilation air. Via a simple switch this can be changed to Level 4 filtration when spraying, to prevent the ingress of unhealthy chemical particles.

WORK IN COMPLETE COMFORT

While Quantum tractors benefit from compact dimensions, operator space and comfort were high on the list of design priorities and the cab now offers more room, making long working days easier on the operator. You will find pedals are easy to operate, and other controls are grouped around the operator and ergonomically laid out to ensure they are always close at hand.

POWER, PERFORMANCE, PRODUCTIVITY

Case IH Quantum tractors are powered by in-house engines. That means they are configured to perform seamlessly and efficiently, producing full power at low engine speeds, for low fuel consumption and excellent operator comfort. You will also find there is plenty of power for operating any type of implements.And when the time comes for servicing, oil level checks and filter access are easy.

ALL THE OIL FLOW YOU NEED

Case IH knows that hydraulically-operated orchard and vineyard equipment can be especially demanding in terms of oil flow. That's why the latest Quantum tractors are available with an optional 80 litres/min pump.





THE PERFECT PLACE TO WORK

Comfort equals productivity

All models in the Quantum range feature cabs designed to make operating these tractors a task you will look forward to. A complete re-think of their internal design means that, while they are small on the outside, these cabs are surprisingly spacious on the inside.

You will find accessibility easy, thanks to sturdy steps and wide, easy-opening doors and lower transmission tunnel that leaves more room for your feet. New seating will also make your working day more comfortable. Meanwhile, remote valve levers have been redesigned to fall more easily to hand and laid out to improve operator space. Comfort is further enhanced by a new steering column that both tilts and telescopes, to enable a comfortable working position to be easily found. And the new analogue/electronic dash display makes essential engine information easier to read.

Thanks to the new, state-of-the-art switchable filtration system the air remains fresh, clean and pure, even during pulverization. Added to a significant reduction in noise levels, the improved driving position, enhanced comfort and upgraded implement controls, all ensure greater productivity.

QUANTUM. QUIET, COMFORTABLE, CAPABLE.

- More comfortable seating
- Tilt/telescope steering wheel
- Easy-to-read dash display
- Lower noise levels
- Greater driving comfort
- Pure and clean air, whatever the applications



OPERATE WITH EASE

Fingertip control

Case IH Quantum tractors are designed with a core focus – the operator. They are engineered to ensure every activity they are asked to perform can be completed quickly, easily and safely. That's why all versions in the range incorporate a workstation designed to make operation as safe and simple as possible.

Once you have taken your seat, you will find all controls are just where you would expect them, falling easily to hand for fatigue-free operation. Our engineers have focused on ergonomics to ensure everything can be operated with the minimum of effort and intuitively. The new dash design clearly displays all the vital information you need. The cab features wide expanses of glass that provide excellent sight lines in all directions, for safe operation and full implement visibility. The new hood design also allows for greater front visibility and easier maneuvers.

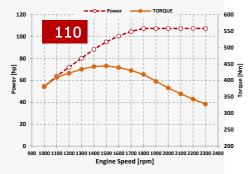
The new Case IH solution to the issue of air filtration during spraying is as advanced as it is easy to control. Switch from level 2 (for dust extraction) to level 4 (designed to remove spray mist from incoming air) via a simple switch and control the system through a clear display, conveniently placed above the head of the operator.

QUANTUM. SIMPLIFY YOUR WORKLOAD.

- Ergonomic controls
- Uninterrupted vision
- Reduced transmission tunnel size
- Easy to switch and control filtration system









THE HEART OF QUANTUM

Power that means performance

At the heart of every Case IH Quantum tractor is a four-cylinder common rail FPT Industrial engine, the 3.4-litre F5C. Designed to match the tasks demanded of these tractors, Quantum's engines produce full power at low engine speeds. They operate at engine speeds of 1,800-1,900rptm for reduced fuel consumption, while maximum torque is reached at 1,500 rpm, for more pulling power, particularly on slopes. Improved engine responsiveness means for enhanced driveability and productivity. The use of cooled exhaust gas recirculation (CEGR) and a diesel particulate filter oxidation catalyst (DOC) means there is no requirement for diesel exhaust fluid (DEF/AdBlue).

High-pressure electronic common rail fuel injection produces an instant throttle response for fast recovery under load, greater lugging power and reduced vibration for improved operator comfort. The wastegate turbocharger is responsive from low down the engine rpm range, for minimal turbo lag and near-instant response. Electronic Speed Control makes it possible to set engine speeds precisely, and to store up to two speed settings.

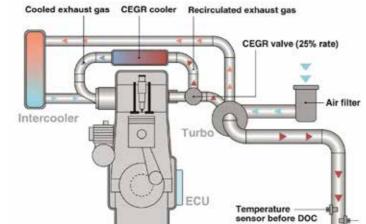
A new constant engine rpm feature makes it possible to set and store two engine speeds. This means, for example, that one can be used when turning at row ends, and another is quickly available for each working pass, with engine software ensuring the set speed is maintained during work. The system is controlled by switches to the operator's right, one of which allows the selection of either of the two speed settings, while the other enables fine-tuning of the engine speed setting in increments. A light and a message on the digital dashboard display indicate the engagement of speed setting 1 or 2.

Courtesy of a compact design of the engine, the hood has been re-worked in a modern design that significantly improves front visibility. It also facilitates daily checks as oil level dipstick and radiators that can be easily accessed and thoroughly cleaned. Lastly, when necessary, all filters, from the engine and hydraulic oil to the cab air filter, are easy to access, remove and replace.

QUANTUM. POWER PLUS PRECISION.

ADVANTAGES

- Maintenance-free diesel oxidation catalyst
- No DEF requirement or particulate filter
- Maximum torque at 1,500rpm
- New constant engine rpm feature: set and store two speeds
- New, redesigned hood for better visibility



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THE TOUGHEST OF TRANSMISSIONS

Built to be relied upon

Quantum tractors are equipped as standard with a Synchro Shuttle transmission that provides four speeds within each of four ranges; the Powershuttle, which makes those speed changes clutchless, is optional. There are 30 or 40km/hr top travel speed options, while a 12-speed creeper is also optional, creating a 28F/16R transmission. Combining the two options provides a total of 44 forward speeds from which to choose.

A Power Clutch option allows gearshifts at the touch of a button or disengagement of drive without using the clutch, to aid operations such as loader work. Whether you're hauling trailers, operating sprayers or trimming trees, Quantum transmissions allow you to find exactly the right combination of engine and forward speed for the task, to make the most of the engine's impressive torque. With a tight turning radius courtesy of an effective front axle design and sculpted flanks, you will also find that power does not have to compromise manoeuvrability.

At the rear, the standard 540/540E rpm PTO package provides a choice of power for tough tasks such as mowing or for lighter jobs such as spraying. In option, a 540/540E/1000 rpm PTO is available, for more demanding tasks. A front linkage with integrated front PTO is also available, for working, for example, with front and rear-offset mowers. Whatever your requirements, the Quantum options list guarantees you can create exactly the tractor you need.

QUANTUM. PREMIER PERFORMANCE.

- Four speeds, four ranges
- 30 or 40km/hr options
- Two-speed powershift option
- Optional 12-speed creeper
- Powerclutch option
- Front linkage option



MAKE MORE WITH YOUR DAYS Open new horizons of productivity

With up to three mid-mount hydraulic valves, a new 801/min. pump and electronic remote controls the new Quantum models allow you to achieve more, more comfortably and simply better.

QUANTUM. POLYVALENCE AT ITS BEST.



FULL HYDRAULIC POWER

No compromise on performance

While the standard hydraulic pump provides a generous 64 litres/min of oil flow, the latest cabbed Quantum models can now feature greater hydraulic capacity, courtesy of a new pump option which provides up to 80 litres/min. So no matter what implement you attach to your tractor, you can be confident it will be able to handle the task that is asked of it. Simple, colour-coded controls make both connection and operation easy.

There are two or three remote valves at the rear, three further units can be specified in the middle, and two more at the front. Paddle individual control makes adjustment easy.

The generous rear lift capacity reaches 2,600kg, which ensures that you are never to be short on lifting power. In addition, you can choose between a mechanical or electronic hitch control. At the front, the optional, mechanicallycontrolled hitch has a lift capacity of 1,500kg, and features stabilisers that can be controlled from inside the cab, on the right-hand console.

QUANTUM. BUILT TO PERFORM.

- 64 I/min standard oil flow
- 80I/min optional oil flow
- Two/three rear remote valves
- Up to three mid-mount valves
- Up to two front-mounted valves
- Up to 2,600kg rear linkage capacity







NEW QUANTUM CL

Compact, versatile, powerful

The newest member of the Quantum family, the Quantum CL, brings the benefits of Quantum design to a wide range of potential users.

These are tractors designed to tackle any small tasks around the farm – and plenty of large ones too. With a small stature and light weight, they make ideal machines for grassland and livestock farmers, and are ideally suited to working with a loader. With a low centre of gravity, they are sure-footed and well-suited to work on steep or hilly land. Quantum CL models will also appeal to wide spaced vineyard and orchard owners. The ROPS configuration is the perfect solution for all greenhouse aplications. And do not let their size fool you, these powerful tractors punch far above their weight. Spanning the full 75-107hp bracket of other models in the Quantum range, the CL models are wider in stature, but with a width of 1,567mm are nevertheless still very compact in their design. At under 2.4m, they easily access low buildings, even on standard 420/70 R24 tyres. New Quantum CL, your privileged partner on the farm.

QUANTUM CL. MASTER OF MANY TASKS.

- New model in the Quantum family
- 75-107hp
- Compact build and light weight
- Ideal for loader work
- Low centre of gravity, perfect to work on hilly terrains





MAINTENANCE

Less downtime, more productive time

Servicing a Quantum tractor is simple - and it's quick. With a standard 600-hour oil change interval, Quantum tractors spend more time at work earning money for your business, and less in the workshop at service time.

A case in point is the unique new switchable cab air filtration system, designed to allow Level 4 filtration only when required. This ensures the operator is always protected and comfortable, yet still saves on operating costs. The fuel tank can be easily reached and fueled up at the end of your day. All service and check points are easily accessible as well and make your daily workload a little easier. But if or when more major service access is required, these new Quantum models are also easy to work on. In this class of tractor, there is no simpler model to service than a Case IH Quantum.

QUANTUM. EASY TO OPERATE, EASY TO MAINTAIN.

- 600-hour oil change interval
- Longer-life cab air filters
- Level 4 filtration only when required
- Service points easily accessible
- Full Case IH dealer support



The Case IH **SERVICETEAM**, a strong dealer network backed up by local Case IH market teams, industry leading Case IH supporting tools, modern training methods, best in class spare parts support and logistics performance providing Case IH customers with an excellent all-encompassing after-sales service, keeping customers farming!

TECHNICAL SUPPORT I SERVICE I PARTS I MAXSERVICE I SERVICEFINANCE



GENUINEPARTS

WE KEEP YOUR EQUIPMENT RUNNING.

Your local Case IH dealer and our dedicated 24/7 parts call centre technicians and their logistic colleagues are all part of the Case IH ServiceTeam network. They're highly trained to give you expert advice and solve problems, ensuring the correct, genuine Case IH parts are located and dispatched right away, reaching you next day or sooner to keep your machine in top condition. This means your machine's downtime is kept to a minimum so we can keep you farming.

MAXSERVICE

AROUND THE CLOCK. AROUND THE COUNTRY.

When you're working around the clock, MaxService ensures you're never alone. It's a dedicated helpline that connects you to the Case IH ServiceTeam 24/7. Call technicians at your local dealer are ready to assist with technical advice, software solutions and genuine parts ordering. They can even diagnose problems remotely, using EST/DATAR, to get you going again, or alert a service technician to bring a part to the field. At peak season, we can keep you farming with breakdown assistance.

SAFEGUARD	SAFEGUARD	SAFE <mark>GUARD</mark>
GOLD	SILVER	BRONZE
SAFEGUARD GOLD.	SILVER OR BRONZE.	IS AN EXTENDED WARRANTY SERVICE PACKAGE.

Specifically tailored around you and your machinery, it can include maintenance contracts, servicing, telematics, insurance and Case IH finance packages. Most importantly, it provides peace of mind, mechanical coverage and makes the cost of ownership clear and easy to manage.

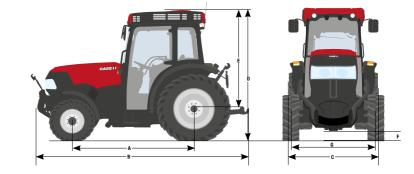
AN OPTIMAL FINANCING SOLUTION FOR EVERY INVESTMENT.

CNH Industrial Capital is the financing company for Case IH. Our employees are financial experts and have many years of experience in agriculture. We do not only know about Case IH products and the market, we also understand the individual requirements of your operations. Therefore we are always able to offer you a financial solution for your new investments that is tailored specifically to your operational requirements and respective machine usage in the form of loans, rent or leasing. Our most important goal is improving the profitability of your investments! Therefore you can combine every CNH Industrial Capital Financing with Capital accident and breakdown cover, as machine breakdown or repair insurance, in order to exclude risks to your investment and ensure greater planning reliability.

MODEL	QUANTUM 80 V	QUANTUM 90 V	QUANTUM 100 V	QUANTUM 110 V	QUANTUM 80 N	QUANTUM 90 N	QUANTUM 100 N	QUANTUM 110 N	
ENGINE									
N° of cylinders / capacity (cm ³)	4 / 3,400	4 / 3,400	4 / 3,400	4 / 3,400	4 / 3,400	4 / 3,400	4 / 3,400	4 / 3,400	
Engine type		Stage IIIB				Sta	ge IIIB		
Rated engine power (kW / cv)	55 / 75	63 / 86	73 / 99	79 / 107	55 / 75	63 / 86	73 / 99	79 / 107	
Max. torque (Nm @ engine rpm)	309 @ 1,500	351 @ 1,500	407 @ 1,500	444 @ 1,500	309 @ 1,500	351 @ 1,500	407 @ 1,500	444 @ 1,500	
Fuel tank capacity			67,5				72,5		
TRANSMISSION									
Synchro shuttle - Standard (Optional)		16 Fwd / 16 Rev (32 Fwd / 1	6 Rev with mechanical splitt	er)		16 Fwd / 16 Rev (32 Fwd / 1	6 Rev with mechanical splitte	r)	
Powershuttle - Standard (Optional)	1	6 Fwd / 16 Rev (32 Fwd / 1	6 Rev with 2 speed Powersh	lift)	1	16 Fwd / 16 Rev (32 Fwd / 1	6 Rev with 2 speed Powersh	ift)	
Creep speed - Synchro (Powershuttle)	2	28 Fwd / 16 Rev (44 Fwd / 16 Rev with 2 speed Powershift) 28 Fwd / 16 Rev (44 Fwd / 16 Rev with 2 speed Powershift)					6 Rev with 2 speed Powersh	ift)	
DRIVE AND STEERING									
Front axle type		Optional	2WD or 4WD			Optional	2WD or 4WD		
4WD front axle standard	Elec	tro-hydraulical system, with	n limited slip or full differenti	al lock	Ele	ctro-hydraulical system, with	n limited slip or full differentia	l lock	
4WD optional feature	Automat	ic 4WD engagement and dif	f. lock operation linked to stee	ering angle	Automatic 4WD engagement and diff. lock operation linked to steering angle				
Turning radius 2WD / 4WD (mm)		3,23	0 / 3,562		3,230 / 3,562				
POWER TAKE OFF									
Туре		Electro-hydra	iulic engagement		Electro-hydraulic engagement				
Standard rear PTO speed		540 /	/ 540 Eco		540 / 540 Eco				
Optional speeds available		540/540E/1000 with ground speed			540/540E/1000 with ground speed				
HYDRAULIC SYSTEM									
Max. pump flow – rear hitch and external services		641/min. (801/min.	with MegaFlow pump)		641/min. (801/min. with MegaFlow pump)				
Rear linkage control type		Max. 3 rear valves with	optional hydraulic stabilizer		Max. 3 rear valves with optional hydraulic stabilizer)				
Rear linkage stabilisers		Mechanic Draft Control	l or Electronic Draft Control		Mechanic Draft Control or Electronic Draft Control				
Max. lift capacity (kg)		2	2,600		2,600				
WEIGHTS' AND DIMENSIONS									
A. Wheelbase 2WD / 4WD (mm)		2,15	3 / 2,180			2,153	3 / 2,180		
B. Overall length from front weight to rear hyd. lift arms 4WD		2	2,938		2,938				
C. Min. width on rear tyres (mm)		1,063 wit	h 280/85R28		1,228 with 320/85R24				
C. Min. width with standard tyres (mm)		1	,180		1,270				
D. Min. overall height Cab / ROPS 4WD (mm)		2,25	5 / 2213		2,300 / 2,238				
E. Height from rear axle centre to roof Cab / ROPS (mm)		1,77	5/1713		1,775 / 1,713				
F. Min. ground clearance (mm)			211		236				
G. Min Max. track width front 2WD (mm)		856 - 1,088			1,002 - 1,214				
G. Min Max. track width front 4WD (mm)		835 - 1,049			1,075 - 1,279				
G. Min Max. track width, rear (mm)		781 - 1,261			943 - 1,239				
Total weight - 2WD less cab / 4WD cab (kg)		2,507 / 2,890			2,594 / 2,954				
Max. permissible weight - 2WD less cab / 4WD cab (kg)		4,15	0 / 4,500			4,750	0 / 4,500		
STANDARD TYRES									
Front 2WD, 4WD		6.00-1	16/7.50 R16		6.00 – 16/7.50 R16				
Rear		12.4 R28			13.6 R28				

* Depends on market specification

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Find a top of 400400 (and 400400 (and 400400 (a de stand or de stand or de lation or hubba i de parta with limited silo or hubba i	Creep speed - Synchro (Powershuttle)	2	8 Fwd / 16 Rev (44 Fwd / 1	6 Rev with 2 speed Powersh	ift)	2	28 Fwd / 16 Rev (44 Fwd / 1	6 Rev with 2 speed Powersh	ft)	
4M0 front ade standardElecto-hydraulical system, with limited sile or full differential lock4M0 prioral featureMchanical energement4M0 prioral featureMchanical energementTurning radius SM0 (mm)A116POWER XKC OFUNICAL System NoteUNICAL System Note <td col<="" td=""><td>DRIVE AND STEERING</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	<td>DRIVE AND STEERING</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	DRIVE AND STEERING								
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* Depends on market specification

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