

QUANTUM F / V

# QUANTUM F / V

TRACTORS  
75-120 hp



CASE II

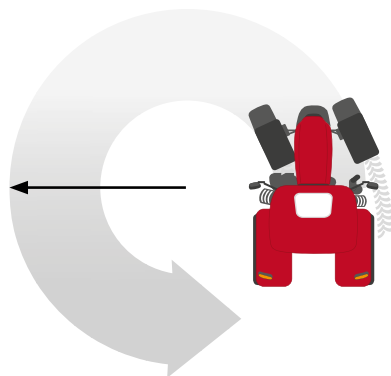
CASE II

# THE QUANTUM F / V SPECIALIST TRACTOR

Next generation comfort and versatility

The new Quantum F and Quantum V are designed to satisfy the most demanding professional fruit and vineyard growers. A powerful machine with advanced technical solutions and driving comfort makes long working days in vineyards and orchards a joy.

In developing the new Quantum F and V, Case IH engineers paid careful attention to maintaining the typical widths of the previous Tier 4A machine models, while greatly improving visibility compared to the previous models as well as emphasizing superlative comfort and interior space in the cab.



#### Turning radius

Quantum V: 5.18 m  
Quantum F: 4.18 m

MODELS	No. of cylinders / capacity (cm <sup>3</sup> )	Rated engine power (kW/hp)	Max. torque (Nm @ engine rpm)	Drive type	Versions
QUANTUM 80 F / V	4 / 3,400	55 / 75	320 @ 1,300	4 WD	Cab
QUANTUM 90 F / V	4 / 3,600	63 / 86	351 @ 1,300	4 WD	Cab
QUANTUM 100 F / V	4 / 3,600	73 / 99	407 @ 1,300	4 WD	Cab
QUANTUM 110 F / V	4 / 3,600	81 / 110	490 @ 1,300	4 WD	Cab
QUANTUM 120 F / V	4 / 3,600	88 / 120	518 @ 1,300	4 WD	Cab





1

**PERFORMANCE**

- New flagship model expands the range to 120 hp
- Maximum torque 518 Nm at low engine speed of 1,300 rpm
- EH PTO wet clutches with adjustable connection
- Durability and higher residual value, thanks to “for life” aftertreatment system
- Integrated aftertreatment system improves lateral visibility
- 75 hp model without AdBlue

2

**VISIBILITY AND STYLE**

- NEW bonnet and styling improve visibility
- NEW LED working lights
- NEW high visibility front windscreen
- NEW digital instrument cluster on A-pillar
- NEW ergonomic control layout

3

**SUPERIOR COMFORT**

- NEW flat cab floor with ample legroom
- NEW front windscreen for best visibility
- 4-pillar cab
- Suspended front axle
- Raised seat position for better control and visibility of rear implements

4

**NEW HYDRAULICS OPTION**

- 64 or 80 l/min pump offerings with load sensing
- NEW rear power lift with external cylinders
- NEW EDC (electronic draft control)
- NEW fully EH controls in rear power lift adjustments
- NEW mid-mount couplers
- NEW power-beyond option

5

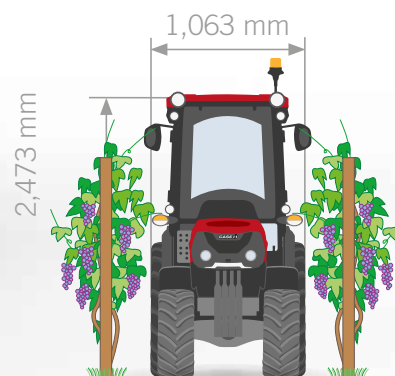
**VERSATILITY**

- Factory-installed front hitch and PTO
- True 40 kph with all tyres

4

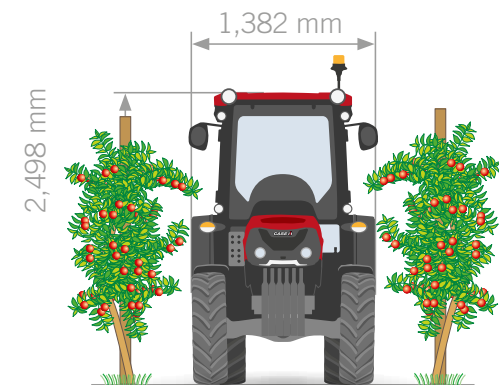
**QUANTUM V**

Available from 75 to 120 hp, the 1,063 mm wide Quantum V is ideal for use in narrow row widths on vineyards.



**QUANTUM F**

Designed for the fruit sector, the 1,382 mm wide Quantum F is made for orchards with regular row spacing.





# BUSINESS CLASS IN A COMPACT SIZE

The all-new Quantum F / V cab

When you first get in the all-new 4-pillar comfort cab, you'll immediately notice the raised windscreen and new ergonomic controls. This complete redesign provides an even more spacious driver's workstation that combines straightforward operation with the premium interior finish Case IH is known for.

## **BEST-IN-CLASS VISIBILITY**

The brand new four-pillar cab with raised windscreen and a new seat position ensures unmatched visibility to the front, rear and both sides. The new windscreen design also gives you an unobstructed view of overhead implements, such as a foliage cutter.

## **NEW INSTRUMENTATION**

The digital LCD dashboard on the A-pillar shows you everything you need at a glance without impacting visibility to the front.

## **NEW ERGONOMICS DESIGNED AROUND YOU**

The newly-designed control console with the latest multifunction joystick and freely assignable keys ensure intuitive operation with best ergonomics in mind.

## **PATENTED FILTRATION SYSTEM**

The new cab features a patented dual filtration system to meet all the standards of protection category 2. Additionally, the filter system can be switched to Level 4 filtration via a simple switch to prevent the ingress of chemical particles, ensuring a healthy atmosphere for the farmer.

## **NEW FLAT CAB FLOOR**

An optimized gearbox housing gives you more leg room and makes getting in and out easier.

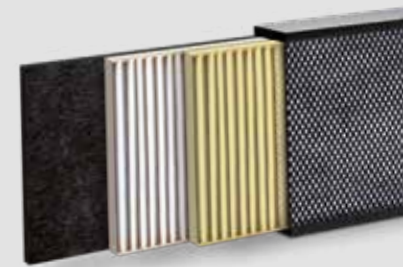
# A SPECIALIST TRACTOR WITH SPECIALIST FEATURES

Setting a benchmark in its segment

The new Case IH Quantum F / V comes with technologies you'd expect in a high horsepower tractor. Developed for specialist producers looking for a powerful and fuel-efficient tractor, the new series combines unparalleled cab comfort and straightforward operation with a new flagship model expanding the range up to 120 hp.

## COMFORTABLE AND SPACIOUS

The redesigned operator workstation helps you to make the most of long working days. A new pedal layout, flat cab floor and optimized driver's seat position provide best-in-class headroom and more space to stretch your legs.



## MORE POWER IN A NEW FLAGSHIP MODEL

The new FPT F5 3.6 litre engine offers more power and 5 % higher torque without impairing the crucial requirements of a specialized tractor: maneuverability and superior visibility. These high-performance units are available from 75 to 120 hp to deliver best performance while keeping running costs low. The most economical 75 hp model, powered by a 3.4 litre 2 valve engine, comes without AdBlue.

## SAFETY FIRST WITH CAT. 4 FILTER

In the new Quantum F / V tractors, a simple switch allows standard level 2 filtration to be changed to level 4 filtration when spraying, protecting you against dust, liquid fertilisers and their vapours.



## NEW EXHAUST AFTERTREATMENT SYSTEM

The new FPT compact HI-eSCR2 exhaust aftertreatment system meets Stage V legislation. A compact layout keeps visibility from the operator's seat uncompromised. The system is maintenance-free for life.



## SMOOTH FRONT AXLE SUSPENSION

The self-levelling front axle suspension with 70 mm suspension provides the same levels of ride comfort to the specialty tractor sector that operators of larger models in the Case IH range already enjoy.



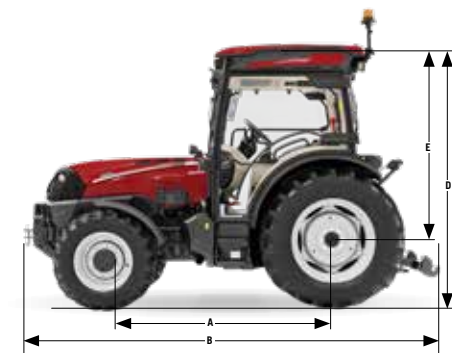
## HIGH-CAPACITY HYDRAULICS

The load sensing hydraulic system is fitted with two independent gear pumps capable of delivering up to 80l/min for the main pump and 36l/min for a dedicated steering pump.



MODEL	QUANTUM 80 F / V	QUANTUM 90 F / V	QUANTUM 100 F / V	QUANTUM 110 F / V	QUANTUM 120 F / V
<b>ENGINE</b>					
No. of cylinders / Capacity (cm <sup>3</sup> ) / Valves / Emissions Level	4 / 3,400 / 2 / Stage V	4 / 3,600 / 4 / Stage V	4 / 3,600 / 4 / Stage V	4 / 3,600 / 4 / Stage V	4 / 3,600 / 4 / Stage V
Type	FPT F34, Common Rail Diesel engine, turbocharged	FPT F36, Common Rail Diesel engine, turbocharged and intercooled	FPT F36, Common Rail Diesel engine, turbocharged and intercooled	FPT F36, Common Rail Diesel engine, turbocharged and intercooled	FPT F36, Common Rail Diesel engine, turbocharged and intercooled
Rated engine power ISO TR14396 - ECE R120 (kW/hp)	55 / 75	63/86	73/99	81/110	88/120
Max. torque (Nm @ engine rpm)	320 @ 1,300	351 @ 1,300	407 @ 1,300	490 @ 1,300	518 @ 1,300
Fuel tank capacity (Litres)			104		
<b>TRANSMISSION</b>					
32x16 ActiveDrive 2 with Powerclutch and 3 reverse adjustments (40kph) min. speed (kph)			0.7		
44x16 ActiveDrive 2 with Powerclutch and 3 reverse adjustments (40kph) min. speed with creeper			0.17 (optional)		
Parking Lock transmission			optional		
<b>DRIVE AND STEERING</b>					
Front axle type			4WD		
4WD front axle standard			Electro-hydraulic system, with limited slip or full differential lock		
Suspended. 4 modes regulable, intelligent response			optional		
Turning angle (°)			55		
<b>POWER TAKE OFF</b>					
Type			Electrohydraulic wet clutches with soft/medium/hard start		
Standard rear PTO speed			540 / 540E		
Optional speeds available			540 / 540E / 1,000 and ground speed		
<b>HYDRAULIC SYSTEM</b>					
Max. pump flow – rear hitch and external services			64 or 80l/min Load Sensing (+ 36l/min independent steering pump)		
Max. no. rear remote / outlets			3+1 / 8		
Max. no. mid mount outlets			8		
Power Beyond system			optional		
Max. lift capacity at ball ends with arms horizontal (kg)			2,519		
<b>WEIGHTS AND DIMENSIONS<sup>1)</sup></b>					
A. Wheelbase 4WD (mm)			2,180		
B. Overall length from front weight to rear hyd. lift arms 4WD (mm)			4,621		
C. Min. width on rear tyres F / V (mm)			1,382 / 1,063		
D. Min. overall height cab F / V (mm)			2,498 / 2,473		
E. Height from rear axle centre to roof cab (mm)			1,899		
F. Min. ground clearance F / V (mm)			317 / 290		
G. Min. - Max. track width front F / V (mm)			1,249-1,529 / 879-985		
G. Min. - Max. track width rear F / V (mm)			1,154-1,549 / 861-1,261		
Total weight - 4WD cab (kg)			3,200		
Max. permissible weight F / V (kg)			4,800 / 4,500		
<b>STANDARD TYRES<sup>2)</sup></b>					
Front F / V			260/70R20 / 6,50R16		
Rear F / V			320/85R28 / 280/85R28		

\* Depends on market specification <sup>1)</sup> with standard tyres <sup>2)</sup> other tyres on request



Free phone: 00 800 22 73 44 00





  
[caseih.com](http://caseih.com)

Safety never hurts! Always read the Operator's Manual before working with 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 **AKCELA** lubricants.

