

# Ares

*800 series*



**RENAULT**

# Cost efficient farming

*The new 800 series are the most powerful in the ARES range. Developed for use by farmers and contractors seeking high output at a low operating cost, they incorporate the very best of the technological innovations to come from the RENAULT research division: HYDROSTABLE cab, PROACTIV front axle with independent suspension units, TCE linkage system, QUADRACTIV automatic four speed splitter, FULL POWERSHIFT transmission ... Built to last, these tractors provide long-term reliability and have been designed to work large areas in the least possible time.*



g



3

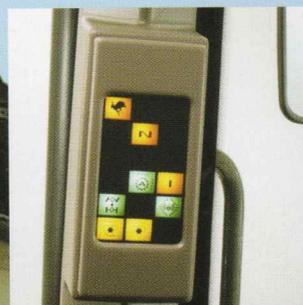
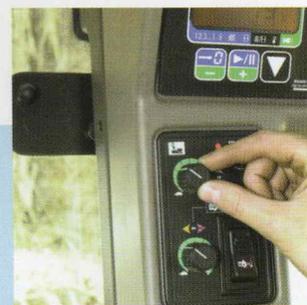


**RENAULT**

# Superb comfort



**ELECTROPILOT, hydraulic power at your fingertips**  
With ELECTROPILOT, you have an electro-hydraulic cross control joystick fitted into the end of your right armrest. Use the control unit fitted into the right hand cab pillar to accurately regulate the output of the 2 electro-hydraulic spool valves.



**Information where you need it**  
Forward gears, transmission, power take off ... all the vital information is grouped together on a single display unit fitted into the front right hand cab pillar.

## 8 SHOCK ABSORBERS

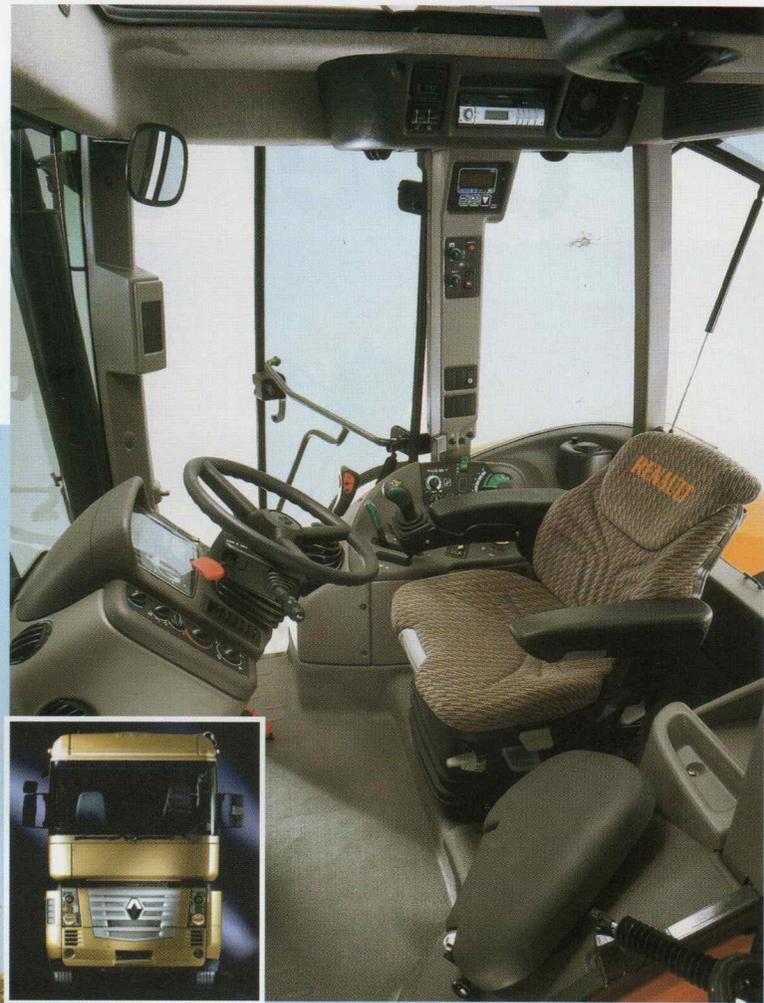
4 on the cab                      1 on the linkage  
2 on the front axle \*        1 on the seat

\*with PROACTIV front axle



*HYDROSTABLE cab suspension on 4 shock absorbers, PROACTIV front axle with independent suspension units, wrap-around glazed area, adjustable ergonomic seat, environmental control ... Welcome to the RENAULT world of comfort. All the controls grouped on the right hand console are easily to hand. The slightest movement is all it takes. Sitting in the most spacious cab on the market, you will notice the outstanding visibility in every direction.*

*The cab's excellent soundproofing ensures that your environment remains peaceful. Your day's work will never seem too long when you are working in an ARES.*



5



**RENAULT**

# Power and reliability



True RENAULTS, the ARES 800 series provides grip. They have outstanding tractive capability. Ploughing, sowing, harvesting, transporting...

In an ARES you have a high performance, sturdy and reliable tractor.

Each of its components has undergone stringent testing, repeating extreme operating stresses thousands of times. The ergonomics and safety specialists, engineers, and technicians of the RENAULT group have one single goal : **reliability**.



**RENAULT**

# Total control at work

*Driving ARES 800 puts all the power you need at your disposal: the power to improve your productivity. Your ARES has been designed to cope with all the stresses of modern agricultural practice: onboard electronics, tractor-implement communication, Load Sensing hydraulic circuit, front and rear linkage capability, excellent power availability at the PTO... Working with an ARES means maximising output.*



## Electronics and productivity

From your cab, you control all of ARES' functions. The integrated DRIVETRONIC system continuously monitors the performance of the key systems for you: engine, transmission, power take off, linkage, differential, front axle ...

The INFOTRAC onboard computer stores valuable data that enable you to calculate your cost effectiveness: area worked, distance travelled, working time, and an event counter (to count, for example, the number of bales produced) ... An ISO connector can provide the implement with information generated by the tractor.



## Load Sensing Circuit: the perfect balance

ARES 800 is a model of even working and efficiency. Thanks to the capacity of its hydraulic Load Sensing circuit, you can use several systems requiring considerable hydraulic power all at the same time (hydraulic motor, hydraulic cylinder and tractor linkage) as it provides accurate flow control to each system on the implement. High flow rates are available even at modest engine speeds (1500 rpm).



## Unsurpassed handling characteristics

The difference will become obvious as soon as you start working. With their 4.90 m turning circle, the ARES 800 series tractors are amongst the most manoeuvrable in their class.

Whether carrying out demanding tasks at low speed, working at high speed in minimal tillage applications, or in road transport tasks at high speed, your ARES delivers year-round productivity. Always efficient, it allows you to save time; ensuring that your work is accurate and that you retain total control over your implements.

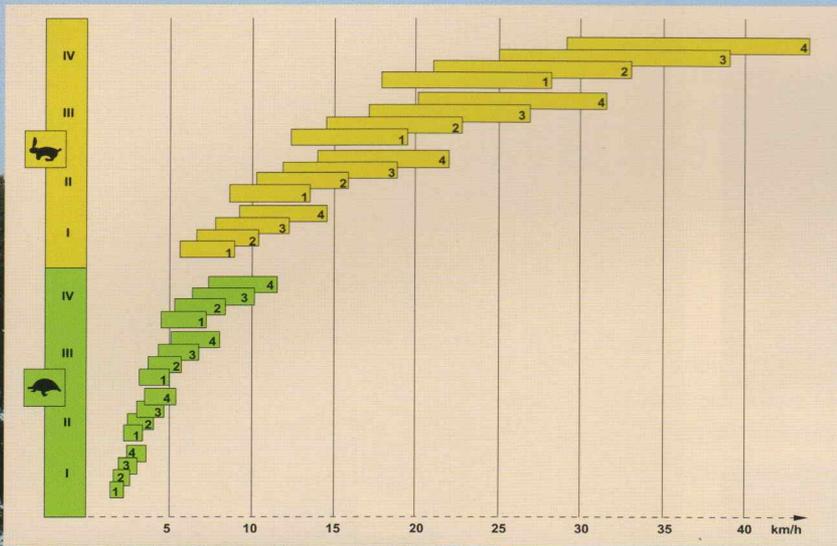


### Exceptional lift capability

The ARES 800 series tractors can lift more than 11 tonnes. With this power, comes the control of the TCE electronic linkage system ensuring consistent quality of work. You have the choice of 3 TCE systems to suit your needs. The TCE 15 T with its star-wheel position adjustment is simple and intuitive to use. With the TCE 15 and TCE 25, you have the comfort and accuracy of a digital display unit and push-button controls. In addition, TCE 25 offers active wheel-slip management for maximum tractive performance and minimal damage to soil structure. RENAULT, advanced technology with purpose.



# Consistency and fle



10



# xibility

*Take the controls of an ARES 800 and enter a new world of exceptional driving comfort. In addition to the advanced ergonomics of the overall cab, the controls and the interior finish, you will notice the difference when it comes to heavy work. A choice of transmissions allows you to tailor your tractor to the requirements of your cropping systems. No matter which transmission you chose, you remain in control of your working speed, free to concentrate on your implements. Irrespective of your load or the terrain, work proceeds evenly and productivity targets can be achieved.*



# An exceptional choice of transmissions

Specifying ARES 800 gives you the opportunity to choose between different transmission options. Each user has their own requirements. Opt for the output of the QUADRISHIFT II second generation four speed splitter, or the comfort of the new QUADRACTIV transmission that automatically manages splitter changes depending on the load, or the advanced technology of the FULL POWERSHIFT transmission combined with the tri-functional control.

## A true under-load reverser

The REVERSHIFT clutchless shuttle reverser is a model of flexibility and efficiency. Without taking your hand off the steering wheel, it takes just a simple movement to give you fingertip control of direction.

The smooth direction changes are quite exemplary. Judder-free, Revershift automatically adapts the inversion time to the tractor's speed. That's a true reverser!

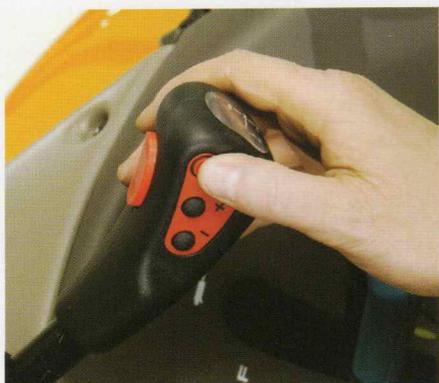


## QUADRISHIFT II, the second generation four speed splitter

In transport mode, when you change the synchronised gear, QUADRISHIFT II automatically selects the splitter ratio that best suits the tractor's speed. You no longer run the risk of having the engine revs drop too low when you are operating at full load and go up a gear, nor of over-revving the engine, when changing down with a trailer or carrying heavy implements.

## QUADRACTIV, the comfort of an automatic splitter

With QUADRACTIV, RENAULT has taken transmission control to another level. QUADRACTIV automatically changes the four splitter ratios according to load. It can be used in Economy mode (gears changed at 1700 rpm) or in Power mode (changing gears at full power). You concentrate on the implement and let ARES take care of the transmission.



## FULL POWERSHIFT, advanced technology transmission

FULL POWERSHIFT transmission gives you fingertip control over 18 forward gears and 8 reverse gears.

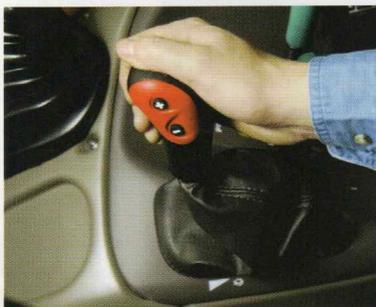
Just by pressing the + and - buttons on the tri-functional control, you change gears without having to use the clutch pedal. When manoeuvring at the end of the field, your ARES automatically drops down through the gears to the one that you have stored in its memory. Once the manoeuvre has been completed, the gearbox changes back up through the gears. This means that you can concentrate on your work because ARES gives you the flexibility you need for a consistent job.





#### **It's the details that count**

Duplicating the splitter and FULL POWERSHIFT transmission controls on the right hand cab pillar, just above the linkage console means that you always remain in control of your work. With a minimum of movement, you can operate both the transmission and the linkage.



#### **A tri-functional control**

The FULL POWERSHIFT control ergonomics are particularly good. The same lever allows you to accelerate, to reduce engine power, to change up or down through all the gears and to select the pre-determined manoeuvring gear. This intuitive control allows you concentrate on your work and on your implements.



#### **Park-Lock: all-terrain safety**

Park-Lock mechanically locks the QUADRISHIFT II, QUADRACTIV and FULL POWERSHIFT transmission systems. Your tractor is immobilized, front axle engaged, as soon as the engine is switched off. When you start off on a gradient or when you are carrying out a difficult manoeuvre, the Park-Lock is only disengaged when the shuttle reverser switches into forward or reverse: there is no danger of free-wheeling.

# RENAULT : designed for you



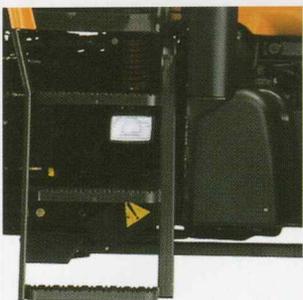
## Simple and economical to maintain

Filters and coolers are easily removed. The self cleaning air filter allows you to save time because you do not have to clean them by hand quite so often. The hinged bonnet simplifies access to key components.



## Working at night

Powerful front and rear working lights fitted to the roof can be adjusted in both directions and over a wide range. Side lights are available as an option and light up the ground providing you with even greater safety.



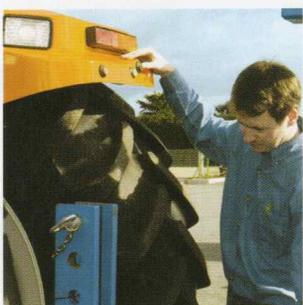
## Another touch of comfort

With air conditioning, you can work in comfort throughout the year. It also allows you to keep a one and a half litre bottle cool in a compartment designed to be easily accessible from your seat.



## Pivoting front mudguards

To maintain their excellent turning circle, the mudguards pivot so that the front wheels can reach the full lock position. For maintenance requirements or when opening up the bonnet, they pivot easily round their axis.



## Hitching up in safety

Buttons located on each of the rear wings can be used to raise the linkage in 10 cm steps. Extremely accessible, overriding cab controls, they guarantee your safety while you are hitching up.

*The linkage of your ARES is uncluttered. The link arms come down very low, enabling you to hitch up quickly and easily. The ball joints are stored on their bracket, always within easy reach. The hydraulic couplings, easily accessible and at hand height, are of the "break away" type for quick connection and complete safety.*





# Technical specification

	ARES 816 RZ	ARES 826 RZ	ARES 836 RZ
<b>ENGINE</b>			
Maximum power	165 HP	185 HP	210 HP
Rated engine speed	2 200 rpm	2 200 rpm	2 200 rpm
Number of cylinders / aspiration	6 turbo	6 turbo + intercooler	6 turbo + intercooler
Capacity	6 788 cm <sup>3</sup>	6 788 cm <sup>3</sup>	6 788 cm <sup>3</sup>
Torque backup	39%	45%	42%
Fuel tank capacity	300 l	300 l	300 l
<b>TRANSMISSION</b>			
QUADRACTIV	.....Automatic shift quadrupler with 32 FWD / 32 REV gears.....		
FULL POWERSHIFT	No	18 FWD / 8 REV gears	No
Gear box with creep range	.....Optional.....		
REVERSHIFT clutchless shuttle reverser	.....Standard.....		
<b>HYDRAULICS</b>			
Load sensing circuit	110 l/min	110 l/min	110 l/min
Max pump pressure	200 bars	200 bars	200 bars
Std number of spool valves (Optional)	4(5)	4(5)	4(5)
ELECTROPILOT (Optional)	2 electrohydraulic spool valves operated by the joystick on the end of the arm rest + adjustment unit		
<b>LINKAGE</b>			
TCE 15 T electronic linkage control system	.....Starwheel control.....		
TCE 25 electronic linkage control system	.....Digital display and with control buttons + active wheel slip management + radar.....		
Max linkage capability	11 330 kg	11 330 kg	11 330 kg
Front linkage (2,8 / 3,8 / 5,3 t)	.....Available.....		
<b>POWER TAKE OFF</b>			
540 + 1000 rpm	.....Standard.....		
Front PTO	.....Available.....		
<b>FRONT AXLE</b>			
Turning circle without brakes	4.90 m	4.90 m	4.90 m
PROACTIV axle with independent suspension units	.....Available.....		
<b>DRIVING POSITION</b>			
Cab	.....RZ with Hydrostable suspension and 4 dampers.....		
Display unit (front right hand cab pillar)	.....Forward gears, transmission, power, economy.....		
INFOTRAC onboard computer + ISO socket (Standard)	Standard	Standard	Standard
<b>DIMENSIONS</b>			
Factory fitted REAR tyres	600/65R38	20.8R42	20.8R42
Overall height	3.03 m	3.03 m	3.09 m
Wheelbase	2.88 m	2.88 m	2.88 m
RZ gross operating weight	7 600 kg	7 920 kg	8 320 kg

# An entire network at your service

You can always count on RENAULT Agriculture for service and availability. The men and women who make up the RENAULT Agriculture team in our receptions, sales and technical departments, workshops, shops and maintenance departments are all there for you.

Our tractors are distributed by hundreds of dealers throughout the world. Your local representative is familiar with your region and your farming practice.

Whether it's for maintenance and service or for renewing your fleet of machines, they are at your service all year round.



## Training

Every year, over 1,200 mechanics and technicians come for technical training or to refresh their knowledge of RENAULT tractors. Our training centres in Evreux (France) and Shipston on Stour (UK) ensure that you are always welcomed by competent experts with the right mechanical, hydraulics, electrical and electronics skills to give you the service you expect.

## Parts

Your RENAULT tractor is designed to be long lasting and retain a high resale value. Wearing parts should however be replaced regularly. All original parts are available for 15 years after a model goes out of production. Parts are delivered the next day to your dealer by the RENAULT logistics team.



## Maintenance and service

RENAULT technicians come to you to maintain and service your tractor. The META system, developed by RENAULT, gives them high performance computerised aids for diagnosis, parts selection or carrying out precise adjustments to the hydraulics and the engine.



Your dealer



**RENAULT**

RENAULT recommends Elf

Visit our websites

[www.agricultr.com.au](http://www.agricultr.com.au)

[www.nzag.co.nz](http://www.nzag.co.nz)

Renault Agriculture reserves the right to change the specifications of its products without prior notice. Specifications and equipment may vary from country to country. Australasian specifications. Please check with your dealer at the time of ordering.

Renault Distribution: Power Farming (Wholesale) Ltd, 86 Thames St, P.O. Box 6, Morrinsville, New Zealand, Ph 07 902 2200, Fax 07 902 2201. Agriculture Holdings (Aust) Pty Ltd, 21 Silicon Pl, Tullamarine 3043, Victoria, Australia. Ph 03 9335 6575, Fax 03 9335 5232..