

FOR THOSE WHO DEMAND MORE. AXIAL-FLOW® 130-SERIES



# **AFTER MORE THAN 160 YEARS WE STILL SHARE THE SAME VISION: FOR FARMING IN THE FUTURE, AGRICULTURAL MACHINERY MUST ALWAYS BE AN INNOVATIVE, RELIABLE AND PROFITABLE INVESTMENT.**

160 years ago the first machines were born under the Case IH brand names, such as Case, International Harvester and David Brown etc. They very soon became legends; these brands played a major role in shaping the spirit of farming over the decades. As the inventor of the power take off, axial-flow threshing, hydraulic reversing gear and the pioneer of the continuously variable transmission, the Case IH heritage goes on. Today, the first pioneers' vision of agriculture is still the heart of every Case IH product. It is with the same passion that every day we continue to develop agricultural machinery in Europe and across the world with more than one hundred thousand Case IH machines in operation.

This wealth of experience has given us the opportunity to listen to you and design products that deliver precisely what you need. Our drive for innovation means we have been able to envisage advanced technological solutions that continue giving our machines even higher performance and productivity and make them easier to use and more profitable. Our constant striving for quality enables us to achieve perfection down to the smallest detail. We demand the same high level of quality in the services that we provide to our customers. Our network of 391 dealers, 679 dealer branches and subdealers and 1377 Case IH service centres in Europe is your guarantee of personalised and professional service. That is how we like to work in gaining the trust of our customers.

**CASE IH: FOR THOSE WHO DEMAND MORE**

# MORE THAN THREE DECADES OF ROTOR HARVESTING HERITAGE.

Over the past 30 years Case IH has optimized the single in-line rotor design to ensure our machines excel in capacity, performance and efficiency. The success of your business is measured by the price you earn for your crop. Whatever the challenges of the growing season you only have a single opportunity to get the crop from the field to market in perfect condition. No other combine does that as effectively as the Axial-Flow®.

THE BRAND CASE IH	2-3
AXIAL-FLOW 130 CONCEPT	4-5
HEADERS	6-7
SINGLE ROTOR TECHNOLOGY	8-9
RESIDUE MANAGEMENT	10-11
OPERATOR ENVIRONMENT	12-13
SERVICEABILITY	14
ADVANCED FARMING SYSTEMS	16-17
SYSTEMS APPROACH	18
SPECIFICATIONS	19

## TAKING PERFORMANCE TO A NEW LEVEL.

New Axial-Flow 5130, 6130 and 7130 combines are built to meet the demands of today's mid-sized arable units, from professional farms to progressive estates. At their heart is the proven principle of Axial-Flow single rotor technology, and the benefits that it brings: thorough threshing, leading to lower losses, but with the gentlest of grain handling.





But, of course, things move on apace - technology, environmental considerations, crop yields, fuel prices... That's why Case IH engineers have enhanced almost every aspect of the latest Axial-Flow machines, to make the new 130 series more efficient, more effective, and more capable. This, without compromising on its uncomplicated design to maintain high availability during the peak harvest and keeping those costs at bay.

### **PERFORMANCE AT IT'S BEST...**

New Axial-Flow 130 series combines are a match for anything on the market when it comes to sheer output. With up to 415 hp on tap and grain tanks that hold as much as 10,570 litres, capacity isn't in question. These are machines designed to put tonnes in the trailer as fast as possible - in all crops and all conditions. But that's not at the expense of grain or straw quality. Gentle threshing and absorptive straw are hallmarks of the latest Axial-Flow rotors.

### **...BUT NOT AT ALL COSTS**

Case IH engineers understand that, while getting grain in the barn is the key to maximising income, fuel is one of farmers' biggest outlays, and that covering the ground quickly means nothing if it comes at the expense of higher diesel consumption or increased grain losses. At the heart of the new Axial-Flow series are engine, transmission and rotor refinements designed to extract all power possible from every last drop of diesel, and ensure long-lasting reliability of every component. According to independent sources the Axial-Flow combines have up to 35% lower service- and maintenance costs\*) compared to competition.

Case IH is constantly seeking to reduce the impact of its machines on your wallet, and on the environment.

### **EASY OPERATION**

Axial-Flow combines have long been renowned for their simplicity. While our machines and the technology they incorporate have come a long way over the past three-and-a-half decades, helping owners become more productive in the process, one thing that hasn't changed is this commitment to simple, successful principles - in operation, in servicing, in the management of the machine.

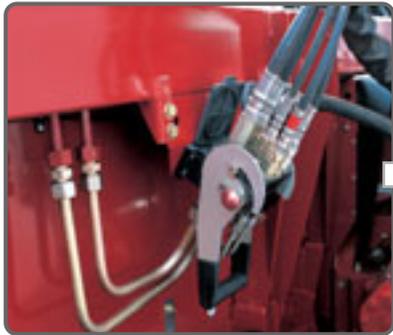
### **A RICH TRADITION**

Single rotor combines were pioneered by Axial-Flow engineers. We have thirty four years of experience behind us, and our belief in the single rotor principle for both threshing and separation is borne out in our dedication to the design. But that means nothing without the backing of the thousands of farmers who have bought Axial-Flow combines every year since their introduction. This brochure will tell you why we think Axial-Flow is the way to go. But nearly 145,000 of those satisfied customers tell you a whole lot more.

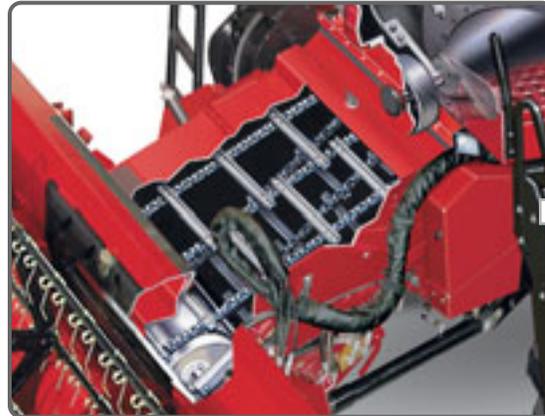
\*) Comparison study of Georg-August-University Göttingen in DLG Mitteilungen 06/2011

## AXIAL-FLOW HEADERS. DESIGNED TO GATHER EVERY GRAIN.

Latest generation Case IH headers, available in widths up to 7.6 m (or 25 ft), are designed specifically for European conditions, and allow you to make the most of the capacity these combines are capable of. Choose from 3050 VariCut or 2000 series grain headers, or 6 and 8 row maize headers. VariCut allows the combine knife position to be moved “on the go”, through a 50 to 57 cm range for work in long and short straw conditions and tangled crop conditions



There are just two couplers for hydraulic and electrical header connections, keeping attachment/detachment time to a minimum. Automatic header recognition eliminates any need for set-up time when changing headers, while the standard Terrain Tracker system keeps the header parallel to the ground at all times, even at high ground speeds.



But headers are only half the story when it comes to getting crop into the combine. The Axial-Flow 130 series features high capacity feeders to improve the flow of cut crop as it enters the machine. And that's just the start of the story when it comes to improving throughput...



### EXPERT PERFORMANCE IN MAIZE.

These hydraulically folding headers have been specifically designed for Axial-Flow® with strong shaft drivelines to ensure reliability. Cobs are precision picked and handled gently whilst the industry leading stalk chopper completes a perfect job. A consistent short chop length and even spreading of chopped material leaves a clean field behind.

**PERFECT GROUND HUGGING.**

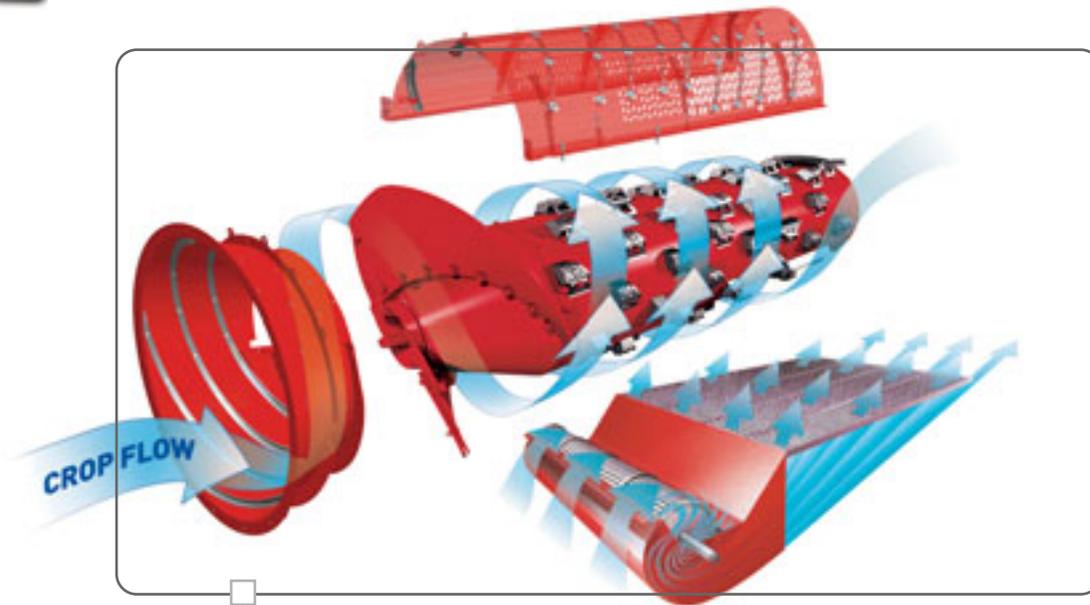
The Terrain Tracker header control system keeps the header parallel to the ground in undulating conditions.

Electrical or hydraulic rape seed knives are available to operate in all rape seed conditions.



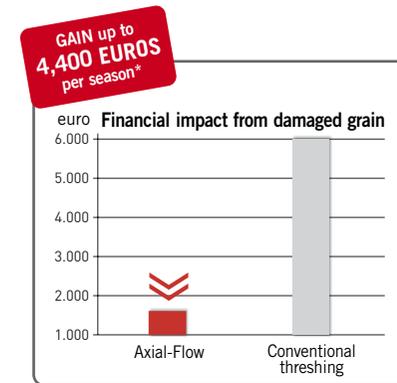
## AXIAL-FLOW ROTOR – THE HEART OF THE PROCESS.

At the heart of Case IH 30 series combines is the latest Small Tube rotor, developed to boost throughputs and further improve threshing performance without compromising grain and straw quality, in dry and wet conditions, regardless of the crop being harvested. But it's not just the rotor that makes the Axial-Flow difference. The Cross Flow cleaning system which follows the separation process uses chevron-shaped volutes to create a uniform vortex along its axis to create high volumes of air throughput. Unlike conventional systems, there are no air pockets created – distribution is consistent across the underside of the sieves. And fan speed is fully adjustable to cater for finer-seeded crops.



The grain-on-grain threshing action it promotes ensures that **what goes in the grain tank is unbruised and unbroken**, retaining the high quality crop-grade and less grain lost on the field, adding revenue to your bottom line. There's no high-impact conventional drum like that used in conventional or hybrid combines, and the transition from threshing to separation is completely seamless. High centrifugal force is achieved at low rotor

speeds, but for tougher conditions it's simple to increase the rotor velocity. Rasp bars are arranged in four spirals around the rotor, for improved threshing, straw quality and for reduced power consumption. Access to the rotor cage is possible from both sides of the machine, while lightweight concaves and separation grates can be easily removed and changed for different crops.



\* Based on 500 ha operation. Axial-Flow assuming 0,5% grain damage, whereas conventional threshing assuming 2% grain damage measured in grain tank.

### LESS GRAIN LOSS, MORE MONEY IN YOUR POCKET.

With a total separation area of 2.8 square metres and the centrifugal separating force generated by the rotation of the Axial-Flow® rotor, more of your harvest goes in the grain tank. As well as achieving the best possible quality grain, there is also more of it. **The result is evident from the amount you earn for your harvest.**



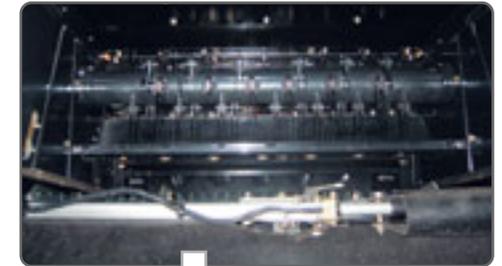
New Axial-Flow 130 series combines offer enormous **grain tank capacities of up to 10,570 litres**, keeping the need to unload to a minimum.

And with increased **unloading rates of 106 litres/sec**, grain is transferred to trailers in as little time as possible.



## FINE CHOP? A PERFECT SWATH?

With a Case IH Axial-Flow, it's your choice. A 77-blades straw chopper pulverises straw and evenly discharges it deep into the stubble across the full width of cut, even in windy conditions. Disengage it, though, and you're presented with neat swaths of straw that put to rest any notion that straw from rotary combines can't be baled. And a further option means you can even choose to create swaths of chopped straw, for high density bales from balers without chopping devices.



It's a common conception that the combine – and the stubble it leaves behind – is the first tool in creating the ideal conditions for establishment of the following crop. With an Axial-Flow, the combination of precision cut at the front and **precision chop at the rear** results in the perfect start for the next cropping season - **no time wasted with blocked tillage equipment.**

### KNIFE PROTECTION SYSTEM.

**Flail knives are mounted in pairs** and can slip backwards to allow foreign objects to pass through.

**STRAW QUALITY  
FOR BALING OPERATIONS.**

Profit even more with a  
**high quality straw harvest.**



## WELCOME TO YOUR HARVEST OFFICE.

Case IH understands the pressures faced by farmers at harvest. We know good labour is hard to find, and that many businesses employ only the minimum of staff, whether by choice or necessity. So whoever is in the seat – the farm owner, a skilled operator, a temporary harvest team member – they need a machine that's easy to operate.



Case IH engineers have thought through every detail of the way in which operator interacts with machine to ensure the Axial-Flow is as simple and comfortable as possible to operate. **The Multifunction Propulsion Control lever** places all the key external functions of the Axial-Flow® combine in the palm of your hand. For full control, **the most commonly used commands are arranged in the best ergonomic position**, allowing easy management of all header functions and operation of the unloading auger. In addition an emergency stop button is included to halt cutter bar and header auger. The AFS Pro 700 colour touch screen monitor includes video capability for reversing cameras.

A Case IH operator deserves a comfortable, user friendly operator environment. Climb the easy-access, foldable steps to the spacious deck, and behind the cab door you'll find ample space and storage, with comfort enhanced by thoughtful details such as a air suspended operator seat, a low noise level and an unrestricted view. A handrail and slip resistant footrest make windscreen cleaning safe and quick - practicalities designed by experienced Case IH combine engineers.



### **NO LIMITATION ON YOUR WORKING DAY.**

When the crop is ready and weather conditions are favourable the all-round lighting of Axial-Flow® allows you to continue harvesting safely and efficiently. Stadium lights are fitted to the roof to completely floodlight the work area. Lights in the grain tank, on the unloading auger and at the rear of the combine ensure all critical areas are fully illuminated. a high intensity discharge (HID) lighting package is also available.



## MAXIMUM RELIABILITY. MINIMUM SERVICE COSTS.

When there's a full day's harvest ahead of you, the last thing you want is a machine that's time-consuming to service. Daily checks and regular maintenance are simple when you run an Axial-Flow. With a design that's centred around fewer moving parts than on conventional combines or on other rotaries, you can get going while others are still in the yard. Daily services points are easy to access via easy-to-raise side panels, anti-slip service steps, and the trademark spacious rear engine deck.



### SPACIOUS ENGINE / COOLING SYSTEM DECK.

**Sturdy ladder** provides easy access to deck from rear of combine.

**A neatly recessed ladder** provides safe access to the engine platform and cooling group.



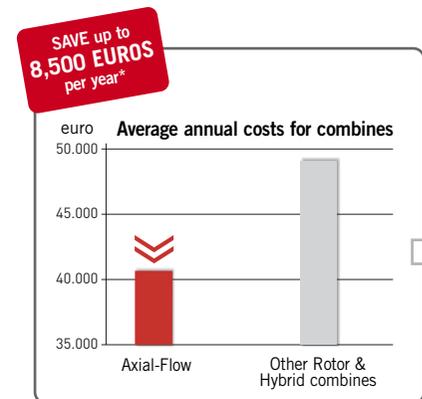
### MAXIMUM UPTIME AND MINIMUM ROUTINE MAINTENANCE.

All combine adjustments and service points can be accessed from ground level or easily accessible steps.



### MAXIMUM UPTIME.

Keeping your working in your fields, and **reducing maintenance and costly downtimes** is one of the ideas behind every Case IH Efficient Power EP Axial-Flow we build. These combines have less moving parts than other combines and together with their quality engineering, operate at lower parts costs than their main competitors.



\* based on 500 ha and on figures used from DLG Mitteilungen 06/2011



## EXTREME PRECISION. REALISE THE POTENTIAL OF YOUR CROPS.

Developments like the wheel, the plough and the tractor have revolutionized agriculture. The advanced Farming system AFS is the next step of development and opens a new area of productivity. Our contribution to your successful future. The new, optional Case IH AFS Pro 700 monitor uses touchscreen technology to bring every aspect of information about your combine and your harvest to your fingertips. Through it, you can operate satellite guided Accuguide systems, see yield maps, analyse field data and much more.



## STRAIGHT, IDENTICAL, REPEATABLE.

They're words you'd expect an autoguidance system to deliver for you. And it does. Eliminating guesswork of row spacing to ensure each one is identical, meaning fewer end-of-row turns and overlaps. It maintains perfectly straight and repeatable rows with up to RTK accuracy. And it controls traffic patterns and decreases compaction, benefits that bring higher yields. That adds up to less stress and fatigue for you at the end of the day. Meaning you're **more relaxed and prepared for the next day's work.**



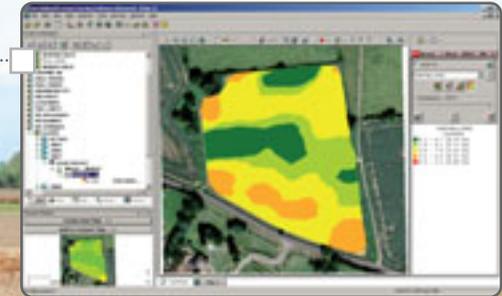
## PRECISION COMPONENTS THAT MATCH THE WAY YOU FARM.

The **AFS Pro 700 colour touchscreen monitor** gives the operator real-time information on combine settings and in-field performance to enable instant judgements on machine settings. That data includes yield and moisture monitoring, as well as grain temperature. But it also provides the ability to download operating info such as yield maps to aid with field husbandry decisions at a later date. In the farm office, data transferred from the AFS 700 Pro via a memory card can be used to analyse and help correct field issues out of season.



## SOFTWARE THAT HELPS YOU ANALYZE PRODUCTION.

Depending on the market, AgLeader or other desktop software pulls together numerous sources of data about your farm and gives you the information you need to consider how things are changing. Layer yield and moisture maps over aerial photographs, and compile additional useful information with precision farming help from third-party information providers. **Customize charts, graphs and layered maps for further analysis** of variety/hybrid, plant population and soil topography. Compare dimensions and field-to-field yields from year to year. Because autoguidance doesn't stop working for you once you get out of your combine.



## THERE'S MORE THAN JUST OUR COMBINES WORKING IN YOUR FIELDS.

Case IH has more professionals in the field than anyone else. Our dealers have the experience to help you manage your equipment to maximize yields and your bottom line. Parts and service technicians have the expertise to assist you before, during and after the sale. And CNH Capital will work with you to customize financing solutions to identify what works best for your needs and your farm. It's an integrated equipment, maximum service and financing system in one package. All of it focused on your operation.

### KNOWLEDGEABLE DEALERS THAT WORK WITH YOU.

Your Case IH dealer understands you need an optimum return on your investment. That means fitting the right Axial-Flow combine and capabilities with the tools and implements that best fit your farm. Your dealer can recommend the appropriate options package, with proper headers for optimum performance.

**And he or she will analyze results with you, field by field.** .....



MODELS	AXIAL-FLOW® 5130	AXIAL-FLOW® 6130 Efficient Power EP	AXIAL-FLOW® 7130
<b>HEADERS</b>			
Grain header cutting width (m)	5.2 m (or 17ft) / 6.1 m (or 20ft) / 7.3 m (or 24ft)	5.2 m (or 17ft) / 6.1 m (or 20ft) / 7.3 m (or 24ft) / 7.6 m (or 25ft)	5.2 m (or 17ft) / 6.1 m (or 20ft) / 7.3 m (or 24ft) / 7.6 m (or 25ft)
Knife to auger distance - 2030 / 2040 / 2050 Grain header (mm)	450 / 600 / 510-1010 adjustable from cab		
Corn header model 2105 / 2106 / 2108 rigid and foldable	5 row & 6 row, chopping corn heads	5, 6 & 8 row chopping, corn heads	
<b>THRESHING / SEPARATING</b>			
Rotor speed range (rpm)	250 - 1,150 (3ranges)	250 - 1,150 (3ranges)	250 - 1,150 (3ranges)
Rotor diameter and length (mm)	762 / 2,794	762 / 2,794	762 / 2,794
Total separation area (m²)	2.8	2.8	2.8
Threshing / separating modules wrap angle (°)	156 / 133	156 / 133	156 / 133
Number of threshing / separating modules	3 / 3	3 / 3	3 / 3
<b>CLEANING SYSTEM</b>			
3 steps cleaning system	●	●	●
Cleaning shoe width (mm)	1,470	1,470	1,470
Total sieve area under wind control (m²)	5.48	5.48	5.48
<b>CLEANING FAN</b>			
Fan speed range (rpm)	450 to 1,300	450 to 1,300	450 to 1,300
<b>RETURN SYSTEM</b>			
Tailings return type	To rotor	To rotor	To rotor
<b>GRAIN TANK / UNLOADING</b>			
In-cab control of grain tank covers	●	●	●
Grain tank capacity (l)	8,800	10,570	10,570
Unloading rate (l/s)	88	106	106
Unloading auger effective length (m)	6.4	6.4	6.4
<b>STRAW CHOPPER &amp; SPREADER</b>			
Number of knives - fine cut	76	76	76
Spreader type	twin 2-speed spreaders / detachable		
<b>ENGINE *)</b>			
Type / Capacity (cm³)	Turbocharged, Intercooled / 6,700	Turbocharged, Intercooled / 8,700	Turbocharged, Intercooled / 8,700
Max. power ECE R120 <sup>1)</sup> at 1,950 rpm (hp)	299 (220 kW)	387 (285 kW)	415 (305 kW)
<b>TRACTION</b>			
Transmission	Hydrostatic drive, 3 speed ranges	Hydrostatic drive, 3 speed ranges	Hydrostatic drive, 3 speed ranges
Heavy Duty Adjustable steering axle	●	●	●
Powered rear axle	○	○	○
<b>ADVANCED FARMING SYSTEMS (AFS)</b>			
Yield & Moisture monitoring / mapping	○ / ○	○ / ○	○ / ○
AFS Precision Farming ready and Guidance ready	○	○	○
<b>OVERALL MACHINE SPECS</b>			
Length - feeder to rear trim panel (mm)	7,689	7,689	7,689
Wheel base (mm)	3,815	3,815	3,815
Minimum height (transport) (mm)	3,898	3,906	3,906
Width with tyres fitted - min (mm)	3,300	3,300	3,300
Weight of basic machine (kg)	15,400	16,200	16,200
<b>TYRE OPTIONS</b>			
Front tyres	650/75R32 LI172 R1W / 800/65R32 LI172 R1W / 900/60R32 LI176 R1W		
Rear tyres	460/70R24 LI152A8 R4 / 480/70R30 LI152 R1W / 600/65R28 LI154A8 R1W		

● Standard ○ Optional at extra cost \*) FPT-engine 1) ECE R120 correspond to ISO TR14396



INTERNATIONAL

**⚠ 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 **AKCELA™** lubricants.

CNH International S.A. - Network Development & Advertising - Riva Paradiso, 14 - 6902 Paradiso-Lugano Switzerland - © 2012 CASE IH - Visit our website: [www.caseih.com](http://www.caseih.com)  
Send us an e-mail: [International@cnh.com](mailto:International@cnh.com) - Published by CNH INTERNATIONAL SA. Communications & Advertising - 03/12 - TP01 - Cod. N. IR1203C/INB

