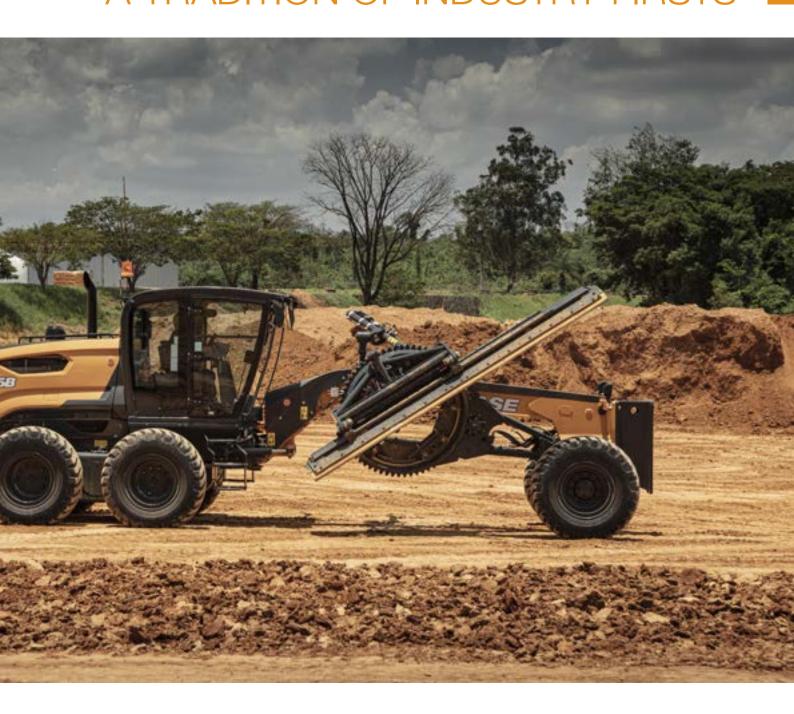






- 1842 CASE is founded.
- 1869 The first CASE portable steam engine road construction is born!
- 1957 The first factory-integrated loader/backhoe in the world: a CASE industry first.
- 1958 The first CASE 4-WD wheel loader, the W9, is introduced.
- 1967 CASE enters excavator market.
- 1998 Ride control on loader backhoes and skid steer loaders: another CASE first.

## A TRADITION OF INDUSTRY FIRSTS



2011 All around visibility cab introduction on 800 series and FPT TIER III Engine installation ("B series")

2012 Torque converter introduction on flagship model 885B

2015 CASE graders enter the European market with the new T4 final /EU Stage IV models.

2022 Machine productvity and reliability improve with the introduction of the new CASE

Graders B series 2

2022 C Series is launched with the T4 engine

## **MAIN REASONS**

## TO CHOOSE THE B-SERIES 2



### **TORQUE CONVERTER LOCK-UP**

The CASE transmission combines the torque converter's typical smoothness, for fine grading, with the direct drive solution for full power transfer.



## LOAD-SENSING HYDRAULIC SYSTEM

Balanced flow for all applications and for simultaneous moldboard movements.





### **«A-SHAPE» FRAME**

Optimized effort distribution in all conditions ensures a long operating life.



#### **MULTI-RADIUS BLADE**

Lower power absorption and optimized rolling effect.



#### **REAR MOUNTED CAB**

Best-in-class controllability and comfort: the operator is always in line with the working direction.



#### **EASY ACCESS**

The easy serviceability is in the CASE: all the main checks can be easily performed from ground level; all the service points are grouped and positioned to facilitate servicing.



## VARIABLE POWER CURVE

The FPT Engine always delivers the power required for every task. On the 845B and 885B two power curves are available, while on the 865B three engine settings ensure even better performances.



#### **EXTERNALLY DRIVEN CIRCLE TEETH**

The external pinion is not subject to shocks while working in heavy grading, while the slewing ring's external teeth prevent the accumulation of residual material, extending the overall working life.



### **HIGH VERSATILITY**

The wide variety of options enables every customer to tailor their grader to match the requirements of the most demanding applications.



## TORQUE CONVERTER LOCK-UP

## The machine drives faster with no extra torque

The lock-up system overrides the torque converter operation in machines featuring the B-Series' type of engine and transmission coupling. When it is activated, the lock turns the hydraulic coupling into a direct (rigid) coupling. The Lock-up system is automatically activated according to operating conditions, when the transmission electronics unit's torque and engine speed readings reach preset values. The Lock-up is usually activated in travel applications where no extra torque is required from the torque converter and the machine runs at a higher speed.



## **LOAD-SENSING HYDRAULIC SYSTEM**Highly responsive & precise control

The load-sensing hydraulic system helps maintain a balanced flow for all applications and for simultaneous moldboard movements. It ensures highly responsive and precise control, as well as easy and smooth operation. A directly activated axial piston pump only delivers the required amount of oil where it is needed, so that no power is wasted. The control valves ensure pressure compensation, enabling parallel lifting and lowering of the moldboard. A dedicated switch on the cab floor enables the operator to obtain maximum output from the hydraulic circuit independently from engine revolutions for faster reaction (Full Flow Mode).



## MOLDBOARD

## PRECISION TECHNOLOGY



## "A-SHAPE" FRAME

### Longer working life

The durable front A-frame drawbar and highstrength circle provide outstanding stability. The A-frame drawbar features a heavy-duty boxed frame design that supports the circle with a wide stance, extending the life of the circle and drawbar components.





## **MULTI RADIUS BLADE**

## **Productivity with less power**

The CASE radius design of the reinforced involuted moldboard consists of three different radiuses. This enables a more efficient and continuous cutting mixing and rolling, and extends the life of the blade. The efficient mixing effect on the spread-out material improves the consistency and longevity of the road surface.





## EXTERNALLY DRIVEN CIRCLE TEETH

#### Insensitive to shocks

CASE motor graders are designed with external circle teeth, which are easier to clean and provide a larger contact area. This prevents component wear and provides more leverage when turning the blade under load. As a result, there is no need for slip clutches or shear pins, which require repositioning or repairs.





## **ATTACHMENTS**

## THE ART OF VERSATILITY



FRONT COUNTERWEIGHT



FRONT PUSH PLATE



**RIPPER** 



FRONT DOZER BLADE



## **HIGH VERSATILITY**

CASE offers a variety of versatile grader attachments and accessories, including:

- Front counterweight
- Ripper
- Scarifier
- Front push plate light 492kg
  - heavy 800kg
- Front dozer blade

- Rear pull hook
- Additional lighting packagesLift cylinder accumulators
- Float control
- Moldboard extensions

## **B-SERIES 2**

## **MOTOR GRADERS**



### VARIABLE POWER CURVE

## for excellent performance

From the unique moldboard design that rolls a superior mix and the fuel-efficient, turbocharged Tier 3 engine that delivers operating speeds of up to 38,8-44,1 km/h (depending on model), to the spacious rear-mounted cab that provides exceptional visibility on the machine's working components, the CASE B-Series 2 motor graders are designed for productivity. For an even greater performance, Dual Power maximizes operation at higher speeds thants to the double (845B/885B) or triple (865B) engine curve, which flattens from the 4th gear.



## **EASY ACCESS**

#### Maintenance made easy

When you invest in CASE equipment, you look for duration. We make it simple. CASE B Series 2 motor graders are no exception. From the one-piece, flip-up hood and reversible fan option that blows debris out of the cooler, to ground-level site gauges and service points, the machine is designed for easy daily maintenance. It's done in just a matter of minutes, so you can obtain the effective performance and long life you want from your machine.



## **MAINTENANCE**



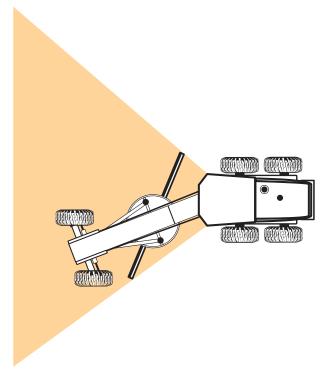
- Engine air filter
   Fuel tank refill
- 3. External circle teeth
- 4. Hydraulic test ports5. Tandem oscillation grease zerks
- 6. Dual batteries
- 7. Hydraulic oil level gauge8. Electric flip-up hood
- 9. Oil drain hose





## CAB COMFORT RULES







## REAR MOUNTED CAB

### Aligned with performance

The CASE front articulation design, unique in the industry, allows for the cab to be mounted further back on the machine. With this design, the operator remains in a centered position while the gooseneck is articulated, increasing visibility on the moldboard, circle, saddle and tires.

The front articulation enables the operator to see both the rear and front half of the machine without having to look to the side when the machine is articulated. In addition, it allows for a tight turning radius, ideal for working in cul-de-sacs and tight spaces.



## MASSIVE CAB, MASSIVE COMFORT

### Stress free operation

The Isomount cab reduces noise and vibration, and consequently operator fatigue. Couple that with a deluxe suspension seat with lumbar control and any operator will be not only comfortable, but more productive.

The sloping rear hood, breakaway heavy-duty side mirrors, and floor-to-ceiling glass with defrost rear window allow for outstanding visibility to the rear and to the front.

ENGINE		845B	865B	885B		
Brand		FPT F4HE9687W	FPT F4HE9687C	FPT F4HE9687K		
Туре		Electronic common rail fuel system, water cooled, 4 cycle,direct injection, turbocharged and charge air cooled.				
Cylinders			6, in-line			
Bore/Stroke	mm		104 x 132			
Displacement	I (cm <sup>3</sup> )		6.7 (6728)			
Horsepower @ 2200 rpm	1 (6111 )		0.1 (0120)			
Gross (SAE J1995)						
Low Curve*	kW	112	144	164		
Imperial	hp	150	193	220		
Metric	hp	152	196	223		
Medium Curve***	kW	-	153	-		
mperial	hp	-	205	<del>-</del>		
Metric	hp	-	208	<u>-</u>		
High Curve**	kW	129	164	175		
mperial	hp	173	220	234		
Metric	hp	175	223	238		
Net (SAE J1349)	Пр	170	220	200		
Low Curve*	kW	104	133	153		
		140	178	205		
mperial Metric	hp	141	181	208		
Medium Curve***	hp		142			
	kW	-		-		
mperial	hp	- -	190	-		
Metric	hp		193			
High Curve**	kW	119	153	163		
mperial	hp	160	205	219		
Metric O4500 (4000	hp	162	208	222		
Max Torque @1500/1600 rpm						
Gross (SAE J1995)	.,	050	000	004		
Low Curve *	Nm	659	830	924		
Medium Curve***	Nm	-	880	-		
High Curve**	Nm	758	930	984		
Net (SAE J1349)						
Low Curve	Nm	591	380	864		
Medium Curve***	Nm	-	788	-		
High Curve	Nm	678	930	924		
POWERTRAIN						
Rear axle						
Vertical ground clearance	mm	380	380	359		
Differential		Planetary with limited slip differential	Planetary with controlled differential hydraulic lock	Planetary with controlled differential hydraulic lock		
Brakes		· ·	Disk, bathed in oil	,		
Number of disks per brake		5	5	6		
Tandem						
Гуре	mm	W	/elded Plate (2204 x 631 x 200.	5)		
Oscillation			20° in each direction			
Command chain pitch	mm		50.8			
Thickness of the internal and external side wall	mm		19			
HYDRAULIC SYSTEM			.0			
Гуре			Closed center, load sensing			
Hydraulic pump		Piston numn, variable disa	placement pressure and flow co	ompensated load sensing		
Rated flow	l/min(gpm)	riotori parrip, variable disp	186 (49)@ 2200 rpm	oportoutou, toud dortolling		
Pressure cut off	bar		193			
Control Valve	Dai		9 sections			

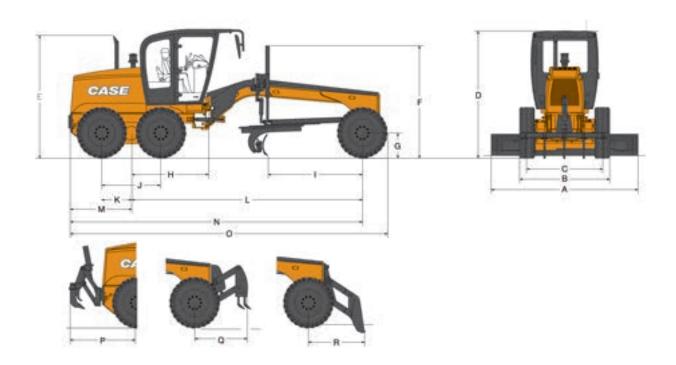
Notes: \*Gears 1st, 2nd F e 1st,2nd R \*\* Gears 3rd, 4th, 5th, 6th F e 3rd R \*\*\* Gears 3rd, 4th F e 3rd R

Make/Model	7	ZF TC LOCK UP 6WG - 160	ZF TC LOCK UP 6WG - 160	ZF TC LOCK UP 6WG - 21	
Type			Full Powershift, torque convert		
Gears			6 forward / 3 reverse	CI.	
Self-diagnostic system			On board		
Jen-diagnostic system			On board		
Speeds (Forward/Reverse)					
1st	km/h	5,0/5,3	5,2/5,5	4,5/4,8	
2nd	km/h	7,7/12,6	8,1/13,1	6,9/11,7	
Brd	km/h	11,9/29,2	12,4/30,3	11,1/27,4	
łth	km/h	18,4/-	19,2/-	16,9/-	
5th	km/h	27,7/-	28,7/-	25,9/-	
6th	km/h	42,8/-	44,1/-	38,8/-	
ELECTRICAL SYSTEM		845B	865B	885B	
Power			24 V		
Alternator			90 A		
Batteries .			2x100 Ah - low maintenance		
STEERING					
Гуре			Hydrostatic		
Steering wheel turns (lock to lock)			4.5/3.2		
Pump capacity @ 2200 rpm	l/min		41.8		
Pressure release valve	psi(bar)	2	530 (175 integral with priority va	alve	
Cylinders	pol(bul)		2		
•	SAE 1011,				
Supplemental steering	ISO5012	Integral with	steering system after Supplem	nental steering	
Steering angle			42°		
ARTICULATION					
Гуре		Hyd	raulically activated (with a lock	valve)	
Angle		25° to the left/right			
Controls			Hydraulic		
CAPACITIES					
Engine	I I		15		
Engine with filter	I		16		
Fuel	I		360		
Transmission	I	25 25		29	
Transmission with filter	I	26	26	31	
Engine water cooling system	I	32			
Hydraulic oil tank	I	90			
Total hydraulic system	1	148			
Circle turn housing	I		2.8		
Tandem case (each)	I		69		
SADDLE					
Locking system			Two cylinders		
Saddle positions			5		
FRAME					
Type - Front section			Box section		
Size	mm		254 x 298		
Type - Rear section			Beam (welded)		
Size	mm	190 x 327	220.5 x 327	220.5 X 327	
DRAWBAR					
Гуре		"A" frame welded	construction with center mount	ed circle turn motor	
Connection with the frame			Shim adjustable spherical joint		
CIRCLE					
Гуре			Welded construction		
Maximum ouside diameter	mm		1752.6		
Rotation			360°		
Speed	rpm		1.2		
•			4		

MOLDBOARD		845B	865B 885 B			
Туре			High-carbon steel			
Form			Involute curve			
Width	mm	3658	3962	4267		
Thickness	mm		22			
Cutting edge			2, interchangeable			
Blade pitch positions			, ,			
Normal pitch			47°			
Minimum pitch			42°			
Maximum pitch			87°			
Blade side shift						
Right	mm		686			
Left	mm		533			
Maximum bank-cutting angle (left and right)			90°			
Ground penetration (max.)	mm		711.2			
Lift above ground (max.)	mm		444.5			
Blade side shift and pitch			Hydraulic type			
FRONT SCARIFIER						
Cutting width	mm		1168			
Teeth			5 (opt, 11)			
Spacing between teeth	mm		229 (opt ,114.5)			
Lift above ground	mm		527			
Maximum penetration	mm		318			
Weight	kg		570			
REAR RIPPER						
Туре			Parallelogram			
Cutting width	mm	2165	2195	2340		
Ripper teeth		3	3 (opt, 5)	3 (opt, 5)		
Scrifier teeth		5	5 (opt, 9)	5 (opt, 9)		
Lift above ground - Ripper teeth	mm	703	518	518		
Maximum penetration - Ripper teeth	mm	306	437	437		
Weight (3/5 teeth)	kg	815	795	850/890		
DOZER BLADE						
Туре			Front mounted			
Width	mm		2762			
Height	mm		953			
Lift above ground	mm		622			
Penetration	mm		165			
Weight	kg		1165			

OPERATING WEIGHT		845B	865B	885B
Basic machine, cab with heater and A/C, ripper and front counterweight (torque converter transmission ZF, fully service, full fuel tank, lights, standard batteries and 80 kg operator)	kg	<b>15353</b> (tires 14.00x24 G-2 10 PR Moldboard 12FT)	<b>16864</b> (tires 14.00x24 Moldboard 13FT)	<b>18120</b> (tires 17.5-25 12PR Moldboard 14FT)

## GENERAL DIMENSIONS



All units fitted with 14.0 x 24-12L tires, open ROPS/FOPS cab, standard battery, full fuel tank, operator weigh 80 kg, specifications in accordance with ISO 7134.

			845B	865B	885B
Α	Blade width	mm	3658	3962	4267
В	Tread width	mm	2546	2545	2583
С	Tread gauge	mm	2168	2124	2162
D	Height on top of h.p. cab	mm	3400	3400	3400
	Height on top of l.p. cab	mm	3200	3200	3200
E	Height of top of exhaust	mm	332	3323	3323
F	Height to top of blade lift cylinder	mm	3047	3047	3047
G	Tire static radius	mm	610	610	610
Н	Distance between tandem center and the frame articulation pin	mm	1958	1958	1958
1	Distance between the front axle and the blade	mm	2562	2562	2562
J	Distance between the center of the rear tires	mm	1572	1572	1624
K	Distance between tandem center and the wheel	mm	786	786	812
L	Wheelbase	mm	6219	6219	6219
М	Distance between tandem center and the rear part of the equipment	mm	2064	2064	2064
N	Distance between the front wheen axle and the rear part of the equipment	mm	8283	8283	8283
0	Overall length	mm	8957	8957	8957
Р	Distance between the rear tires and the ripper	mm	2196	2273	2247
Q	Distance between the front tires and the scarifier	mm	1513	1520	1520
R	Distance between the front tires and the dozer blade	mm	1619	1626	1626
	Outside tire turning radius	mm	7250	7250	7250
	Ground clearance (rear axle)	mm	380	380	380
	Ground clearance (front axle)	mm	580	580	580



## STANDARD AND OPTIONS

### STANDARD EQUIPMENT

**OPERATOR STATION** 

ROPS/FOPS open cab with:

Adjustable suspension vinyl seat, with a 50.8 mm (2")

Adjustable operator console

Pedal accelerator Manual accelerator

Front windshield wiper with washer

Safety glass Ceiling light

Internal and external rear-view mirrors

12 V (\*) power supply Automatic master switch Steps on the right and left sides (\*) Only available in closed cabins

845B FPT F4HE9687W 865B FPT F4HE9687C 885B FPT F4HE9687K Turbocharged, diesel

Dry air filter with primary and secondary safety

elements

Air pre-filter with cyclonic dust ejector

80 A alternator Swing-up hood, diesel

**HYDRAULIC SYSTEM** Hydraulic system with load sensor, closed center

9-section control valve

Hydraulic control for all functions:

blade lifting (right and left side), circle turn, side shift of the circle, wheel lean, frame articulation, blade side shift and pitch, front and rear accessories

Diagnostics center with 8 quick couplers

Hydraulic axial piston pump Hydraulic engine fan

**BRAKES** 

Multidisk oil-bathed service brakes with nitrogen accumulator safety system Disk parking brake integrated into the transmission with warning light

14" 3-pieces rim / 17,25 x 25 - 12L - G2 tubeless

OTHERS

Standard tool kit Drawbar / Standard circle

Conventional differential with brakes on 4 wheels and differential locking with electrohydraulic mechanism (rear axle)

**STEERING** 

Hydrostatic steering with integrated emergency system

**INSTRUMENTS** 

**Electronic Information Center** 

Indicators/gauges: Tachometer

Direction selected F/N/R

Transmission modes - automatic/manual

Selected gear

Engine cooling temperature

Fuel level

Transmission oil temperature Hydraulic oil temperature

Hourmeter Fuel consumption **Engine diagnostics**  Transmission diagnostics

INDICATOR LIGHTS:

Low fuel level Floodlights

High beam Brake pressure

Main alert

Parking brake

**SOUND ALERTS:** Warning alert

**Emergency alert** 

Reversing alert **ELECTRICAL SYSTEM** 

Liahts

Front headlight with direction indicators (2) Rear brake light and direction indicators (2)

Rear work light on top of the cabin (2) Front work light on top of the cabin (2)

24 V system (Two 12 V batteries 12 V / 750 CCA)

Electronic system monitoring

Horn Hourmeter

Reverse alarm

TRANSMISSION

ZF transmission of torque conversion type with lock up (also functions as Direct Drive), Powershift, 6 forward speeds and 3 reverse speeds, automatic gear shift, emergency electrical failure device (Limp-Home)

All ROPS/FOPS cabins are certifi ed in accordance with the SAE J1040 (ROPS) and SAE J231 (FOPS) standards.

### **OPTIONS\***

Closed high cab (fixed front window) Closed high cab (front flip-down window)

Sunshade(front and rear)

**OTHERS** 

Air conditioner for closed cab

Fire extinguisher

Windshield washer and lower windshield wipers

Rear windshield washer and wipers

Radio

Tandem lock device

Rear fogger **DRAWBAR** 

Drawbar / Heavy Duty circle

FRONT ATTACHMENT

Dozer Blade Push plate

5 tooth front scarifier

6 additional teeth for the front ripper

Dozer blade float electrovalve

Front counter weight

Lighting on dozer blade

BLADE

3,658 x 622 x 22 mm blade 3.962 x 671 x 22 mm blade

4,267 x 671 x 22 mm blade

-304.8 mm right blade extension

-304.8 mm left blade extension

**REAR ATTACHMENT** 

Medium ripper with 3 large teeth and 5 small teeth 2 additional large teeth and 4 additional small teeth

Rear pull hook

Support for lifting the machine

**WORK LIGHTS** 

2 work lights behind the blade

2 work lights mounted in front of the moldboard

2 work lights on the front attachment

LOCK/FL OATING/ANTI-SHOCK -MOLDBOARD AND

Moldboard lifting cylinder lock valve

Moldboard float electrovalve (includes the lock valve) Anti-shock electrovalve with 2 accumulators for the moldboard

Anti-shock electrovalve with 3 accumulators for the moldboard and circle

**SEAT / SEATBELT** 

Extra quality vinyl mechanical suspension seat

Mechanical suspension fabric seat

Pneumatic mechanical suspension fabric seat

(3") 76.5 mm seatbelt OPTIONAL EXTRAS

Revolving safety light

Luxury toolbox

Toolbox without tools, with support, mounted on the

Slow movement symbol

Electric pump for filling tires

Support for spare tire

**TUBELESS TIRES** 

TIRES AND MOUNTED RIMS

9" Rim - single piece/14x24 tire-12L-G2

10" Rim - 3 pieces / 14x24 tire - 12L - G2 13" Rim - single piece / 17.5x25 tire - 12L - L2

14" Rim - 3 pieces / 17.5x25 tire - 16L - L3

**TIRES WITH TUBES** 

9" Rim - single piece / 14x24 tire - 12L - G2

10" Rim - 3 pieces / 14x24 tire - 12L - G2

RADIAL TUBELESS TIRES

9" Rim - single piece / 14x24 tire - 12L - L2 XGLA2 RADIAL

10" Rim - 3 piece / 14x24 tire - 12L - L2 XGLA2 RADIAL

**RIMS** 

9" Rim - single piece with valve

10" Rim - 3 pieces with valve

13" Rim - single piece with valve

14" Rim - 3 pieces with valve

<sup>\*</sup>All the options are subject to the local availability.



# **BUILDING**A STRONG CASE.

Since 1842, at CASE Construction Equipment we have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity.

We continually strive to make it easier for our customers to implementemergingtechnologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development.

The vast CASE dealers' network is always ready to support and protect your investment and exceed your expectations, while also providing you with the ultimate ownership experience.

Our goal is to build both stronger machines—and stronger communities. At the end of the day, we do what's right for our customers and our communities so that they can count on CASE.

#### **CASECE.com**

NOTE: Standard and optional fittings can vary according to the demands and specific regulations
of each country. The illustrations may include optional rather than standard fittings - consult your
CASE dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications
without incurring any obligation relating to such changes

Conforms to directive 2006/42/EC

creative-farm.it 10/22