

The Ferrari logo, consisting of the word "FERRARI" in a bold, italicized, sans-serif font, enclosed within a rectangular border with rounded corners. The logo is white and is positioned in the upper right corner of the image, which has a dark green background.

language



**e-COBRAM**



## NEW e-COBRAM

### THE FIRST 100% ELECTRIC TRACTOR BY FERRARI.

Municipalities and modern farms increasingly aspire to operate in a more sustainable way by reducing exhaust and noise pollution emissions.

To help them in their mission FERRARI presents an isodiametric, compact and multifunctional tractor with an alternative power supply:

**e-Cobram is in fact the first 100% electric tractor.**

A specialised, lightweight tractor with an optional reversible driver's seat, the e-Cobram is equipped with a 40 kW electric powertrain and retains the typical features of isodiametric tractors, having the same dimensions and weight as the traditional version.

### APPLICATION FIELDS.

The major application fields of e-Cobram are:

- ✦ municipalities, for green maintenance work and snow removal in urban centres,
- ✦ horticulture and animal husbandry, for use in enclosed areas, such as greenhouses and stables,
- ✦ specialised agriculture, in all narrow space applications in vineyards and orchards.



# BE NEXT BE GREEN BE ELECTRIC



## TECHNICAL FEATURES.

- ✦ Electrically powered isodiametric tractor.
- ✦ 48 V lithium batteries with 36 kWh capacity.
- ✦ Total installed electrical power: 40 kW.
- ✦ Autonomy: 3 to 6 hours depending on application and working conditions.
- ✦ Battery charging time with 6 kWh input: approx. 3 hours (20 to 80%) - approx. 5 hours (0 to 100%).
- ✦ e-Cobram weight: 1700 kg.

Under the hood of the e-Cobram there are **two electric engines**: the first 16-kW engine is used for the hydraulic system, the power steering and the services while the second 25-kW engine is dedicated to the traction.

The mechanical transmission with a **multi-plate in oil bath clutch** is equipped with a 12-speed forward and 12-speed reverse gearbox with synchronised reverse shuttle.

The hydraulic system consists of a pump flanged to the dedicated electric engine and allows **up to seven rear hydraulic outlets** for the use of all modern equipment.

The power take-off is independent of the gearbox and synchronised with the forward drive.

Thanks to the **reversible driving position**, it is possible to use the attachment mounted on the rear lift with a front-mounted linkage for the benefit of working precision, operating comfort and safety.

The optimal distribution of loads on the two axles, combined with 4WD and the unique **OS-Frame integral chassis** with 15-degree oscillation between front and rear, guarantees the e-Cobram electric tractor's stability even on uneven terrain.

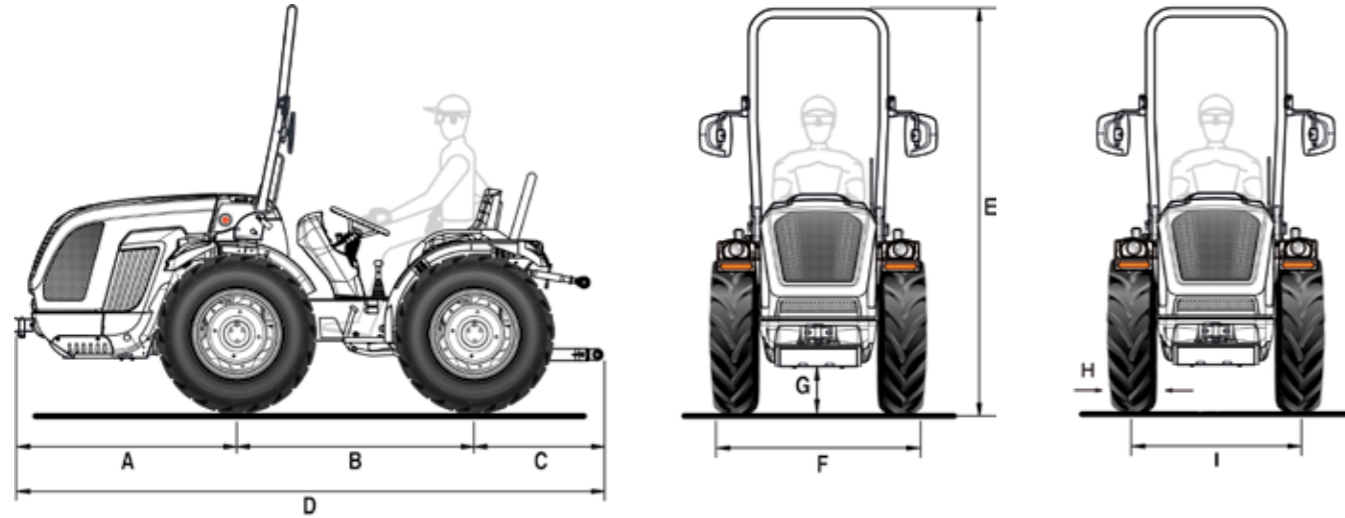
## THREE DIFFERENT VERSIONS.

The e-Cobram series is available in three different versions, each designed and manufactured to meet the specific requirements of the application fields in which it is intended to operate:

- ✦ **'AR' version** with articulated frame and extremely small turning radii,
- ✦ **'RS' version** with a chassis with steering wheels for use also in sloping areas,
- ✦ **Exclusive 'AR MICRO' version** with articulated frame and reversibility as standard, narrow wheel track (only 95 cm overall width!) and Premium hydraulic system with increased flow pump, heat exchanger and flow divider.

# e-Cobram AR

## DATA SHEET



A	B	C	D	E min/max	F min/max	G min/max
1248	1340	779	3367	2180 / 2260	1002 / 1438	200 / 275

\* Dimensions in mm

	8.25-16	210/95 R16 (7.50-16)	250/80-18	280/70 R18	280/70 R18 Garden
	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim
<b>H</b>	229	208	240	275	275
<b>I</b>	794 / 1110	794 / 1110	865 / 1107	869 / 1119	869 / 1119
<b>F</b>	1023 / 1339	1002 / 1318	1105 / 1347	1144 / 1394	1144 / 1394

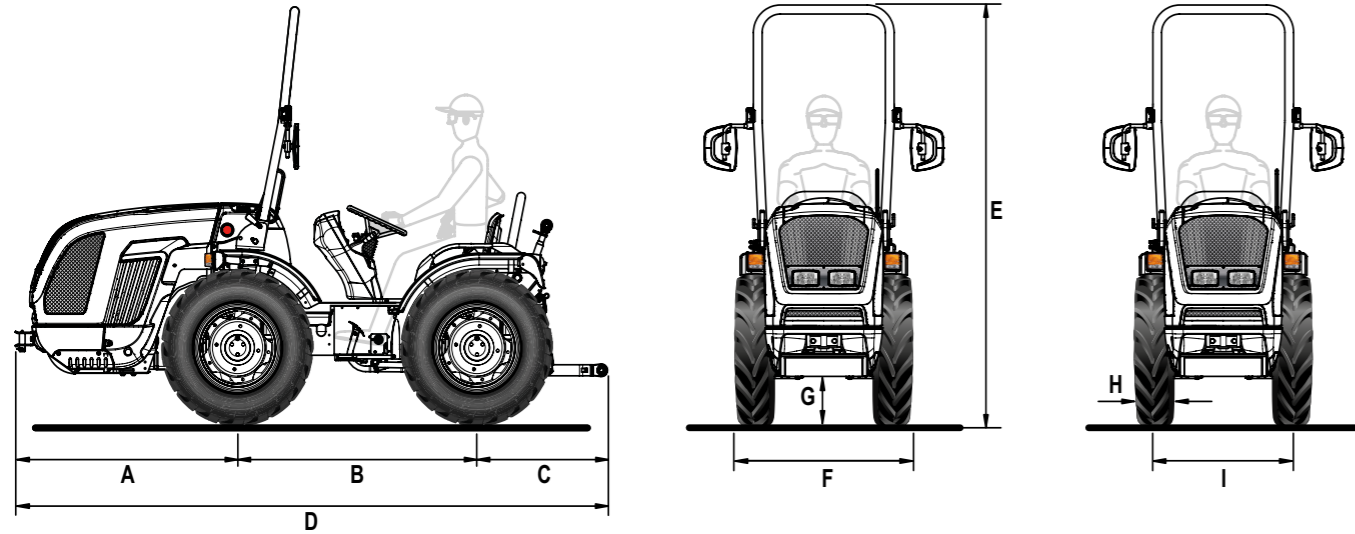
	320/65 R18	260/70 R20	31x15.50-15 XTC	31x15.50-15 STG	33x15.50-15 XTC
	with adjustable rim	with adjustable rim	with fixed rim	with fixed rim	with fixed rim
<b>H</b>	319	258	368	394	391
<b>I</b>	931 / 1119	846 / 1120	1003	1003	1003
<b>F</b>	1250 / 1438	1104 / 1378	1371	1397	1394

\* Dimensions in mm - min / max  
H = Tyre width - I = Wheel track - F = Tractor width

TECHNICAL FEATURES	e-COBRAM AR
<b>ENGINE</b>	Electric   Total installed electrical power 40 kW
Batteries	Lithium   Voltage 48 V   Capacity 36 kWh
Autonomy	3 to 6 hours depending on application and working conditions
Charging time	Battery charging time with 6 kWh input: approx. 3 hours (20 to 80%) - approx. 5 hours (0 to 100%)
<b>CHASSIS</b>	Swinging integral chassis (±15°) OS-FRAME with central articulation
<b>DRIVE</b>	Permanent four-wheel drive
<b>TRANSMISSION</b>	24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser
Min/max travel speed (km/h)	0.7 / 35
Transmission clutch	Multidisc in oil bath
<b>DIFFERENTIAL</b>	Front and rear with simultaneous locking and electro-hydraulic control
<b>AXLES</b>	Front and rear with planetary reduction units
<b>REAR PTO</b>	Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO
PTO clutch	Multidisc in oil bath with electro-hydraulic control
PTO rotation speed (rpm)	540
<b>HYDRAULIC SYSTEM</b>	Dual circuit with dedicated electric engine
Hydraulic flow rate of the power steering and electro-hydraulic controls (l/min)	17.5
Hydraulic flow rate of the lift and control valves (l/min)	23
Maximum hydraulic pressure (bar)	180
<b>REAR CONTROL VALVES</b>	Mechanically controlled
Standard	With rear up/down lift: 1 double-acting (total 2 hydraulic outlets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets)
Optional	With rear up/down lift: up to 7 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets in total and free flow oil return
<b>REAR LIFT</b>	By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled
3-point implement hitch	Standard: Normal couplings cat. 1 - Optional: Quick-couplings cat. 1, L-shaped, arms adjustable in length and hooks adjustable in width
Third point tie rod	With manual adjustment
Ball joint lifting capacity (kg)	1200
<b>DRIVING POSITION</b>	Monodirectional or Reversible with rotating platform and twin pedal assembly
Steering wheel	Standard: fixed - Optional: height adjustable
Seat	Comfort seat with adjustable suspension according to the operator's weight, safety belt and man-on-board sensor
<b>SERVICE BRAKES</b>	Multidisc in oil bath with mechanical control, acting on the rear wheels
Parking brake	Acting on service brakes
<b>STEERING</b>	Hydrostatic steering acting on the central joint. Flow deviator for steering unit in the reversible version
<b>SAFETY</b>	Front homologated roll-bar with gas spring for easy lowering and lifting
<b>DASHBOARD</b>	Instrument panel with analogue gauges and TFT digital colour display. Remaining charge indicator, warning lights and horn
Standard equipment	Vehicle Control Unit, street light and indicator system, single-pole dashboard socket, rear 7-pin socket
<b>TYRES</b>	8.25-16 * 210/95R16 (7.50-16) * 250/80-18 * 280/70R18 * 280/70R18 Garden * 320/65R18 * 260/70R20 * 31x15.50-15 XTC * 31x15.50-15 STG * 33x15.50-15 XTC
<b>TOW HOOKS</b>	Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved
<b>RUNNING ORDER WEIGHT</b>	With roll-bar: 1700 kg
<b>ADDITIONAL OPTIONS</b>	Front bumper, beacon lamp, front LED working lights, rear adjustable working light, front weights 110 kg total and wheel weights 45 kg each

# e-Cobram AR **Micro**

## DATA SHEET



A	B	C	D	E min/max	F min/max	G min/max
1248	1340	779	3367	2251 / 2274	950 / 1322	253 / 279

\* Dimensions in mm

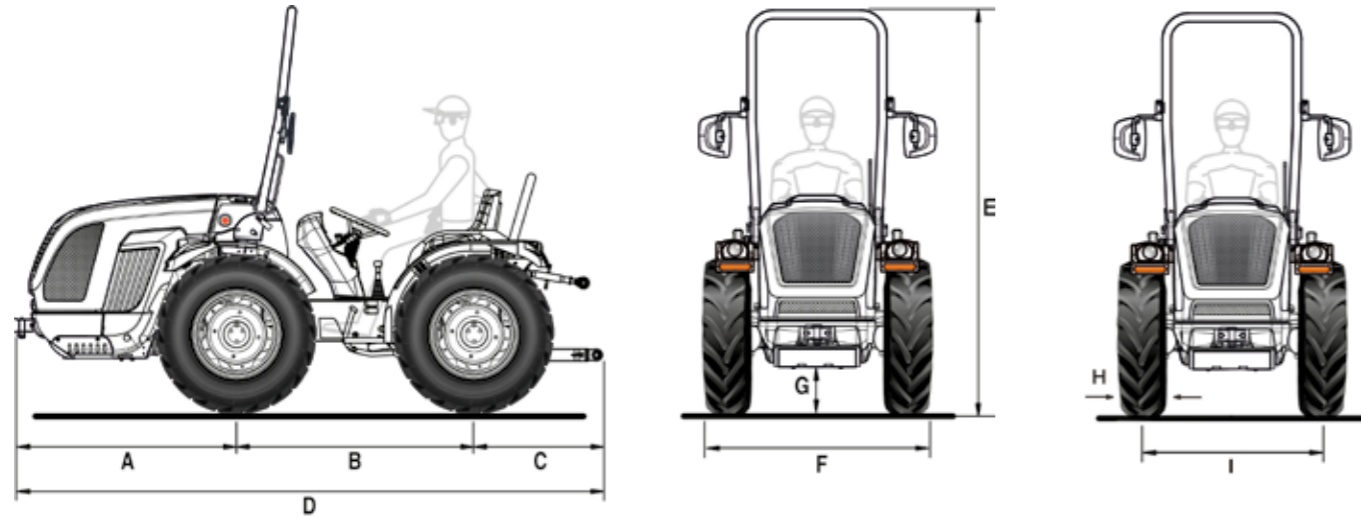
	8.25-16	7.00-18	210/95 R18
	with adjustable rim	with fixed rim	with fixed rim
<b>H</b>	212	178	208
<b>I</b>	770 / 1110	772 / 1130	795 / 1103
<b>F</b>	982 / 1322	950 / 1308	1003 / 1311

\* Dimensions in mm - min / max  
H = Tyre width - I = Wheel track - F = Tractor width

TECHNICAL FEATURES	e-COBRAM AR MICRO
<b>ENGINE</b>	Electric   Total installed electrical power 40 kW
Batteries	Lithium   Voltage 48 V   Capacity 36 kWh
Autonomy	3 to 6 hours depending on application and working conditions
Charging time	Battery charging time with 6 kWh input: approx. 3 hours (20 to 80%) - approx. 5 hours (0 to 100%)
<b>CHASSIS</b>	Swinging integral chassis (±15°) OS-FRAME with central articulation
<b>DRIVE</b>	Permanent four-wheel drive
<b>TRANSMISSION</b>	24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser
Min/max travel speed (km/h)	0.7 / 35
Transmission clutch	Multidisc in oil bath
<b>DIFFERENTIAL</b>	Front and rear with simultaneous locking and electro-hydraulic control
<b>AXLES</b>	Front and rear with planetary reduction units
<b>REAR PTO</b>	Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO
PTO clutch	Multidisc in oil bath with electro-hydraulic control
PTO rotation speed (rpm)	540
<b>HYDRAULIC SYSTEM</b>	Dual circuit with dedicated electric engine
Hydraulic flow rate of the power steering and electro-hydraulic controls (l/min)	17.5
Hydraulic flow rate of the lift and control valves (l/min)	23
Maximum hydraulic pressure (bar)	180
<b>REAR CONTROL VALVES</b>	Mechanically controlled
Standard	With rear up/down lift: 1 double-acting (total 2 hydraulic outlets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets)
Optional	With rear up/down lift: up to 7 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets in total and free flow oil return
<b>"PREMIUM" HYDRAULIC SYSTEM</b> (optional)	Available for up/down lift and including: oversized hydraulic pump of the lift and control valves with 33.5 l/min flow rate, heat exchanger, flow divider and 7 total hydraulic outlets with free flow oil return
<b>REAR LIFT</b>	By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled
3-point implement hitch	Standard: Normal couplings cat. 1 - Optional: Quick-couplings cat. 1, L-shaped, arms adjustable in length and hooks adjustable in width and hydraulically controlled upper link and tie rod link arm
Third point tie rod	Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm (only with quick-couplings)
Ball joint lifting capacity (kg)	1200
<b>DRIVING POSITION</b>	Reversible with rotating platform and twin pedal assembly
Steering wheel	Standard: fixed - Optional: height adjustable
Seat	Comfort seat with adjustable suspension according to the operator's weight, safety belt and man-on-board sensor
<b>SERVICE BRAKES</b>	Multidisc in oil bath with mechanical control, acting on the rear wheels
Parking brake	Acting on service brakes
<b>STEERING</b>	Hydrostatic steering acting on the central joint. Flow deviator for steering unit
<b>SAFETY</b>	Front homologated roll-bar with gas spring for easy lowering and lifting
<b>DASHBOARD</b>	Instrument panel with analogue gauges and TFT digital colour display. Remaining charge indicator, warning lights and horn
Standard equipment	Vehicle Control Unit, street light and indicator system, single-pole dashboard socket, rear 7-pin socket
<b>TYRES</b>	8.25-16 * 7.00-18 * 210/95R18
<b>TOW HOOKS</b>	Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved
<b>RUNNING ORDER WEIGHT</b>	With roll-bar: 1590 kg
<b>ADDITIONAL OPTIONS</b>	Front bumper, beacon lamp, rear adjustable working light, front weights 110 kg total

# e-Cobram RS

## DATA SHEET



A	B	C	D	E min/max	F min/max	G min/max
1248	1340	779	3367	2180 / 2260	1207 / 1643	200 / 275

\* Dimensions in mm

	8.25-16	210/95 R16 (7.50-16)	250/80-18	280/70 R18	280/70 R18 Garden
	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim
<b>H</b>	229	208	240	275	275
<b>I</b>	999 / 1305	999 / 1305	996 / 1312	984 / 1324	984 / 1324
<b>F</b>	1228 / 1534	1207 / 1513	1236 / 1552	1259 / 1599	1259 / 1599

	320/65 R18	260/70R20	31x15.50-15 XTC	31x15.50-15 STG	33x15.50-15 XTC
	with adjustable rim	with adjustable rim	with fixed rim	with fixed rim	with fixed rim
<b>H</b>	319	258	368	394	391
<b>I</b>	1074 / 1324	987 / 1325	1100 / 1208	1100 / 1208	1100 / 1208
<b>F</b>	1393 / 1643	1245 / 1583	1468 / 1576	1494 / 1602	1491 / 1599

\* Dimensions in mm - min / max  
H = Tyre width - I = Wheel track - F = Tractor width

TECHNICAL FEATURES	e-COBRAM RS
<b>ENGINE</b>	Electric   Total installed electrical power 40 kW
Batteries	Lithium   Voltage 48 V   Capacity 36 kWh
Autonomy	3 to 6 hours depending on application and working conditions
Charging time	Battery charging time with 6 kWh input: approx. 3 hours (20 to 80%) - approx. 5 hours (0 to 100%)
<b>CHASSIS</b>	Swinging integral chassis (±15°) OS-FRAME with steering wheels
<b>DRIVE</b>	Permanent four-wheel drive
<b>TRANSMISSION</b>	24-speed synchronised gearbox: 12 FWD and 12 REV with synchronised reverser
Min/max travel speed (km/h)	0.7 / 35
Transmission clutch	Multidisc in oil bath
<b>DIFFERENTIAL</b>	Front and rear with simultaneous locking and electro-hydraulic control
<b>AXLES</b>	Front and rear with planetary reduction units
<b>REAR PTO</b>	Independent from the gearbox and synchronised with forwarding speed. Negative safety hydraulic brake to stop the PTO
PTO clutch	Multidisc in oil bath with electro-hydraulic control
PTO rotation speed (rpm)	540
<b>HYDRAULIC SYSTEM</b>	Dual circuit with dedicated electric engine
Hydraulic flow rate of the power steering and electro-hydraulic controls (l/min)	17.5
Hydraulic flow rate of the lift and control valves (l/min)	23
Maximum hydraulic pressure (bar)	180
<b>REAR CONTROL VALVES</b>	Mechanically controlled
Standard	With rear up/down lift: 1 double-acting (total 2 hydraulic outlets) With draft-controlled rear lift: 1 double-acting and 1 double-acting with float (total 4 hydraulic outlets)
Optional	With rear up/down lift: up to 7 hydraulic outlets in total and free flow oil return - With draft-controlled rear lift: up to 5 hydraulic outlets in total and free flow oil return
<b>REAR LIFT</b>	By two external cylinders. Standard: up/down lift - Optional: position and draft-controlled
3-point implement hitch	Standard: Normal couplings cat. 1 - Optional: Quick-couplings cat. 1 (arms not adjustable in length) or Quick-couplings cat. 1 and 2, L-shaped, arms adjustable in length and hooks adjustable in width
Third point tie rod	With manual adjustment
Ball joint lifting capacity (kg)	1200
<b>DRIVING POSITION</b>	Monodirectional or Reversible with rotating platform and twin pedal assembly
Steering wheel	Standard: fixed - Optional: height adjustable
Seat	Comfort seat with adjustable suspension according to the operator's weight, safety belt and man-on-board sensor
<b>SERVICE BRAKES</b>	Multidisc in oil bath with mechanical control, acting on the rear wheels. Independent manoeuvring brakes acting on the rear wheels
Parking brake	Acting on service brakes
<b>STEERING</b>	Hydrostatic steering acting on the front wheels. Flow deviator for steering unit in the reversible version
<b>SAFETY</b>	Front homologated roll-bar with gas spring for easy lowering and lifting
<b>DASHBOARD</b>	Instrument panel with analogue gauges and TFT digital colour display. Remaining charge indicator, warning lights and horn
Standard equipment	Vehicle Control Unit, street light and indicator system, single-pole dashboard socket, rear 7-pin socket
<b>TYRES</b>	8.25-16 * 210/95R16 (7.50-16) * 250/80-18 * 280/70R18 * 280/70R18 Garden * 320/65R18 * 260/70R20 * 31x15.50-15 XTC * 31x15.50-15 STG * 33x15.50-15 XTC
<b>TOW HOOKS</b>	Standard: front and rear CUNA cat. B adjustable in height - Optional: rear tow hook EC approved
<b>RUNNING ORDER WEIGHT</b>	With roll-bar: 1700 kg
<b>ADDITIONAL OPTIONS</b>	HDR hydraulic suspension with accumulator including 5 hydraulic outlets and free flow oil return, front bumper, beacon lamp, front LED working lights, rear adjustable working light, front weights 110 kg total and wheel weights 45 kg each

## THE SERVICES

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### SPARE PARTS

A complete range of original spare parts, guaranteed directly by the manufacturer.



### ASSISTANCE

A team of specialists, well prepared and available to assure an efficient and resolving service.



### LUBRICANTS

We recommend to use the original PowerLube lubricants.



### FINANCIAL SERVICES

Financial solutions to meet the credit requirements.



M A D E I N I T A L Y