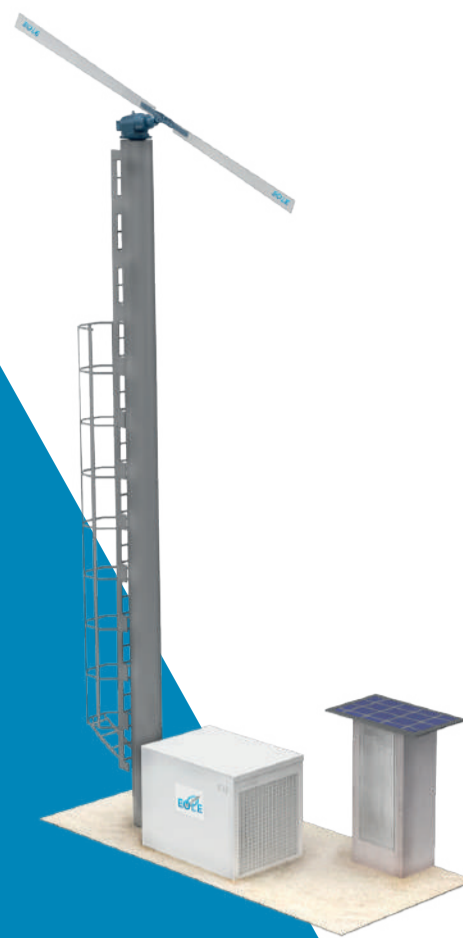


Anti-frost system

With John Deere e Iveco engine



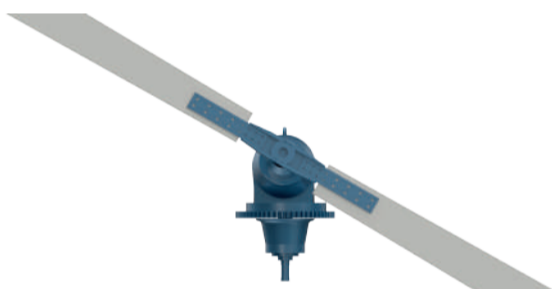
The future of agriculture

The most efficient solution for protecting crops against the effects of frost. The Anti-Frost System uses thermal inversion generated naturally at nightfall.

General technical data

Protection	7,2 Hectares	height	11 Metres	Manufacturing	Galvanised steel
Temperature	-6 grados	Diameter	0,51 Cm	Monitoring	Web application
Guarantee	1 year	Weight	2.200 Kg	Starting temperature	Customisable

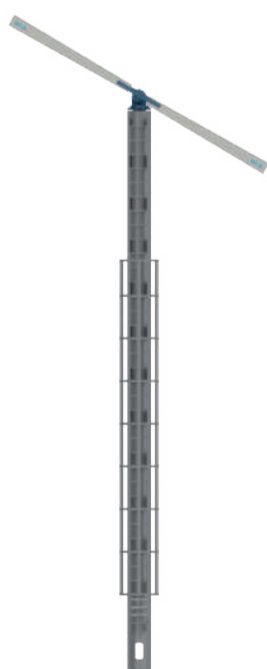
Technical data components



- ✓ Made of carbon fibre.
- ✓ High aerodynamic resistance.
- ✓ They provide 360° rotation..
- ✓ 8Kg weight per shovel.
- ✓ 5.40 metres in diameter
- ✓ High efficiency design.



- ✓ Made of galvanised steel.
- ✓ Its angle of inclination is 7.5°, improving air flow.
- ✓ Provides 360° rotation around its own axis.
- ✓ Helical gears.
- ✓ Azimuth rotation in 5 minutes.
- ✓ Output speed: 560 Rpm.



- ✓ Helical tube.
- ✓ Aerodynamic Performance.
- ✓ 11 metres high.
- ✓ Optimised transmission system to reduce friction losses.
- ✓ Galvanised S235 steel.
- ✓ Six hatches for easy inspection.
- ✓ Ladder with fall protection.
- ✓ Tube diameter 508mm.

Grupo SPAG

A technology company specialising in protection against hail and frost damage..

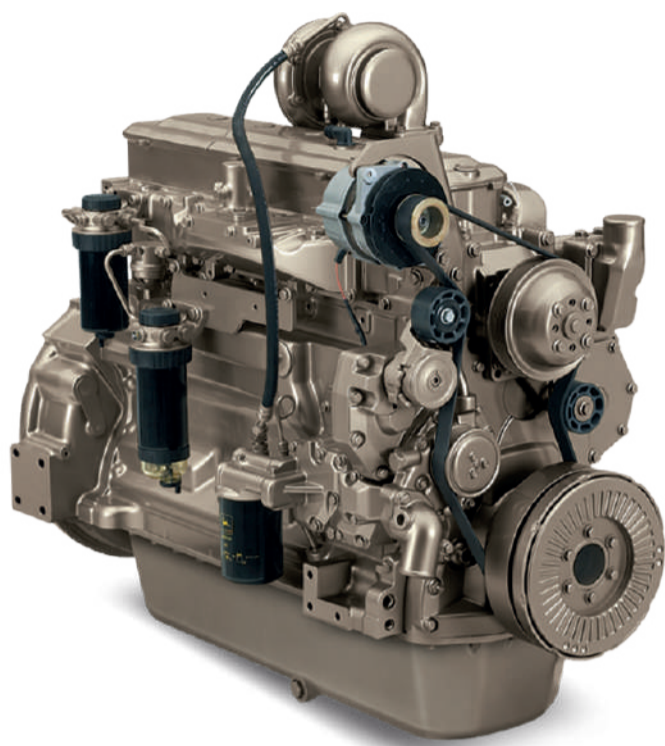
Contact details

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Escanea

Technical data components



JOHN DEERE 6068HFU82

The John Deere engine range offers robustness and reliability, high torque reserve at low engine speeds, reliable starting at low temperatures. John Deere engines are fully approved and certified.

- ✓ **Model :** JOHN DEERE 6068HFU82
- ✓ **DiameterXstroke:** 106X127 mm
- ✓ **Total cylinder capacity:** 6,8 L
- ✓ **Valve per cylinder:** 1/1
- ✓ **Engine type:** In-line, 4-cycle
- ✓ **Refrigeration:** 20.4 Liter 22 quart

- ✓ **Starter battery:** 800 amps
- ✓ **Radiator coolant capacity:** 20.4 liter
- ✓ **Power rating:** 143 kW
- ✓ **Engine coolant:** 11.9Liter
- ✓ **Consumption :** 1800 Rpm - 24.3

Automation and monitoring data

Local temperature sensor

- ✓ Precisión 0,3°C -5°C a 10°C

Anemometer

- ✓ Material: Alineación de aluminio
- ✓ Rango de medida: 0 a 45m/s
- ✓ Precisión : 1m/s

Communications

- ✓ Router 4G
- ✓ Sending information:
 - ✓ Industrial - IOT
 - ✓ Frequency : 15 minutes

Remote temperature sensors

- ✓ Precisions 0,3°C -5°C a 10°C
- ✓ Maximum distance from base: 130m
- ✓ Photovoltaic system : 3WW
- ✓ Battery : 2000 mA

Remote temperature sensors

- ✓ Solar panel : 200W
- ✓ Battery (electric EOLE) 12 V - 18 A
- ✓ Battery (EOLE combustion) : Engine batter
- ✓ MPPT solar charger : 15 A

Grupo SPAG

Technology company specialising in protection against hail and frost damage against damage caused by hail and frost.sas.

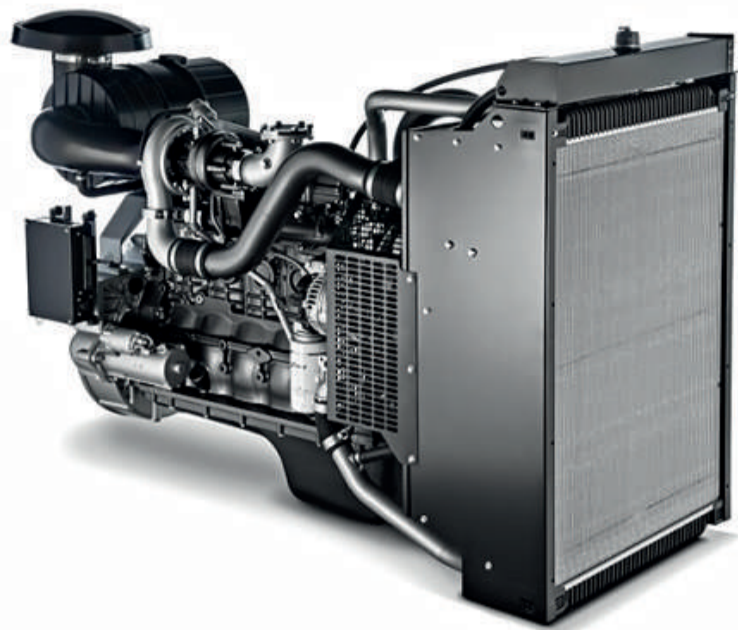
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Escanea

Datos técnicos componentes



IVECO N67 TM2A

FPT IVECO's range of N67 genset engines offer high power and load acceptance coupled with world-class levels of reliability and efficiency.

- ✓ **Modelo :** IVECO N67 TM2A
- ✓ **DiameterXstroke:** 104X132 mm
- ✓ **Total cylinder capacity:** 6,7l
- ✓ **Valve per cylinder:** 2
- ✓ **Injection system:** Mecánico
- ✓ **Refrigeration:** Líquido (agua +50%Parafllu11)
- ✓ **Flywheel housing:** SAE3/11" 1/2
- ✓ **Lubricating oil:** ACEA E3-E5
- ✓ **Fuel:** En 590
- ✓ **Oil and filter replacement interval:** 600 horas
- ✓ **Fuel consumption:** 1800 rpm -- 29.0(223,7)
- ✓ **Cooling liquid capacity:** Motor+ radiador -- 40.5l
- ✓ **Total capacity oil pipes, filters:** 17,2l
- ✓ **Electrical system:** 12Vcc
- ✓ **Starter battery (recommended) :** Ah 1X100
- ✓ **Discharge current (EN 50342) :** A 800
- ✓ **Nominal² power :** 1800fmp - Prime 127 kWm

Automation and monitoring data

Local temperature sensors

- ✓ Precisions 0,3°C -5°C a 10°C

Anemometer

- ✓ Material: Aluminium alloy
- ✓ Measuring range: 0 to 45m/s
- ✓ Pressure : 1m/s

Communications

- ✓ Router 4G
- ✓ Sending information :
 - ✓
 - ✓

Remote temperature sensors

- ✓ Precisions 0,3°C -5°C a 10°C
- ✓ Maximum distance from base: 130m
- ✓ Photovoltaic system : 3W
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Remote temperature sensors

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