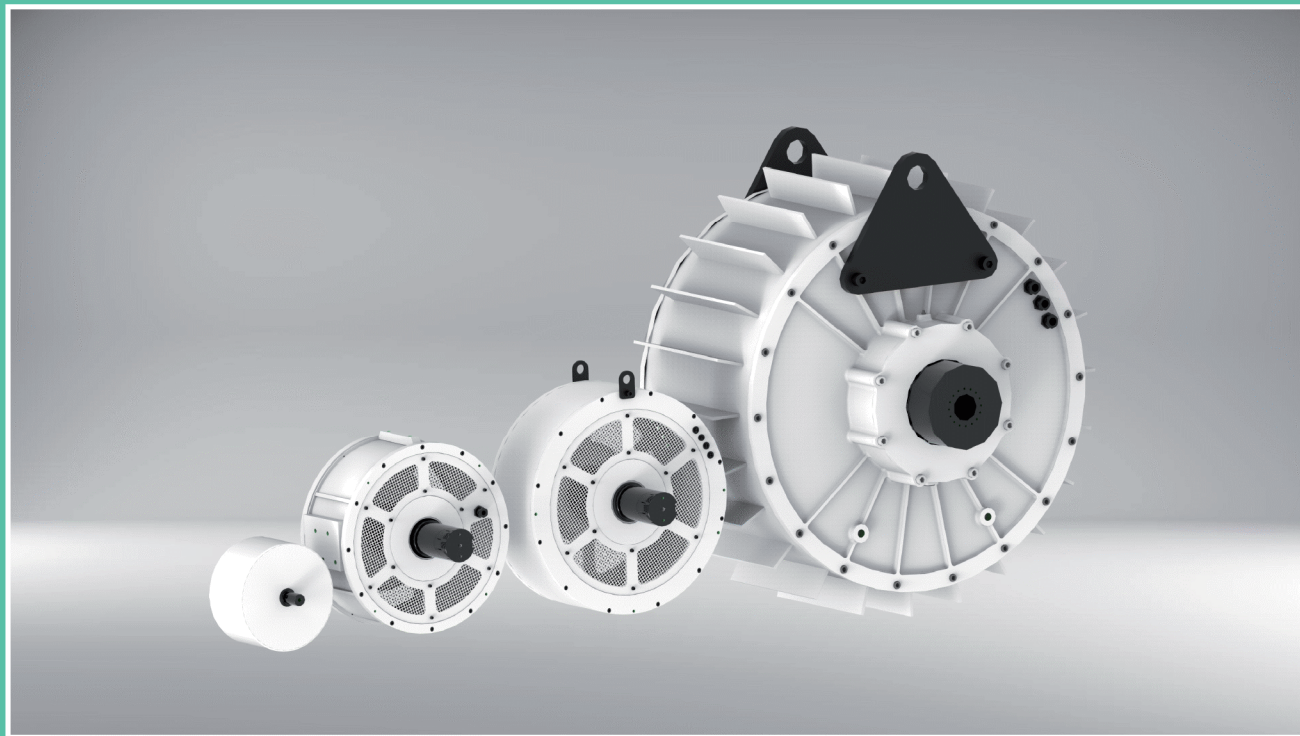




- Lancor GSIP generators are permanent magnet synchronous generators.
- Easy to install and maintenance free.

advantages

- Cogging: <1%
- Efficiency: 82-95%
- Start at less than 2 m/s of the wind
- Nominal power at 11 m/s of the wind

- **Direct drive**
- Different constructions. Configurable, customizable
- Compact and strong
- Minimum weight

Anti rust protection.
Best quality bearings
Certified materials
Special winding with Low Short-circuit risk

Warranty: 2 years
Mechanical fixing of magnets
Maintenance free
Individual test delivered with every machine

ELECTRICAL SPECIFICATIONS

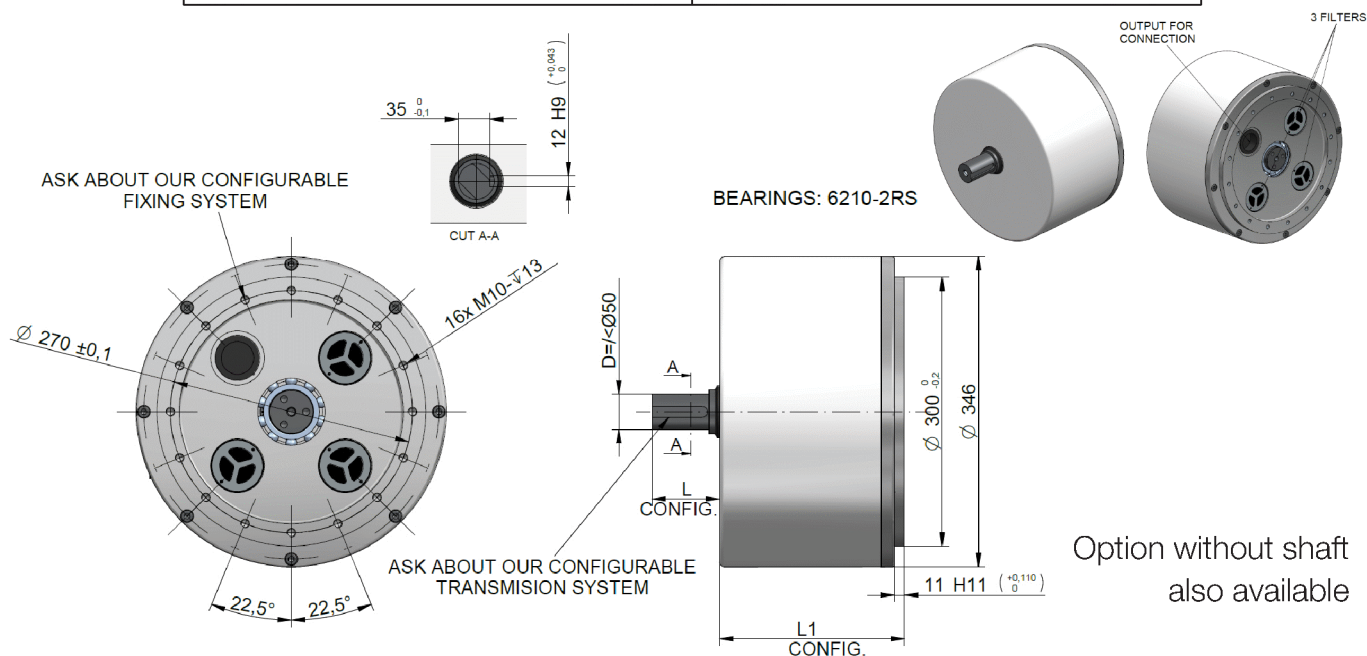
	OFF-GRID (BATTERIES)	ON-GRID (NETWORK)
Power output	1,7-5 kW	1,7-5 kW
Nominal speed (Hz)	200-400 rpm	200-400 rpm
Required torque at nominal power	< 165 Nm	< 165 Nm
Efficiency	> 80%	> 90%
Output wire section	10-16 mm ²	4 mm ²
Wire length	400mm	400 mm
Isolation class	F	F
Connection	external star (Δ optional connection)	Internal star
Lifetime	> 20 years	> 20 years

MECHANICAL SPECIFICATION

Mounting Type	horizontal & vertical
Starting Torque	< 2%
Mechanical configuration	Customizable

MATERIAL SPECIFICATION

Shaft material	F-1252 with treatment
Bearing type	SKF 6209-2rsr / 6310-2rsr
Housing material	aluminium fundition L-2560
Housing corrosion protection	RAL9003 C5H
Magnet material	NdFeB
Magnet class	SH
Lamination type	non oriented high quality steel



GSIP280 network connection (on grid)

ELECTRICAL SPECIFICATIONS

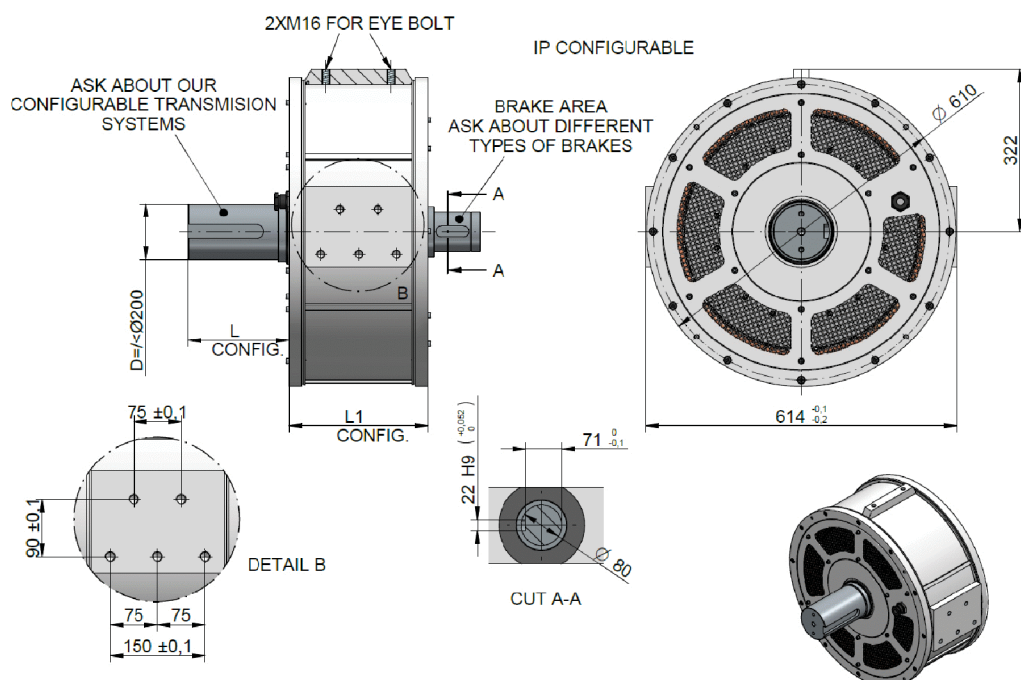
Power output	10-15 kW
Nominal speed (Hz)	120-160 rpm
Required torque at nominal power	< 1300 Nm
Efficiency	>92%
Output wire section	10 mm ²
Wire length	3000 mm
Isolation class	F
Connection	internal Star
Lifetime	> 20 years

MECHANICAL SPECIFICATION

Mounting Type	horizontal & vertical
Starting Torque	<1%
Mechanical configuration	Customizable

MATERIAL SPECIFICATION

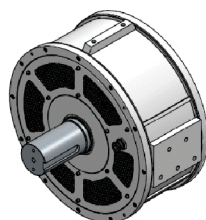
Shaft material	F-1252 with treatment
Bearing type	SKF 6024-2z / 6220-2z
Housing material	steel F1140
Housing corrosion protection	C4M
Magnet material	NdFeB
Magnet class	SH
Lamination type	non oriented high quality steel



Optionals:

- Temperature sensor
- Electromagnetic braking system

Option without shaft
also available



GSIP350 network connection (on grid)

ELECTRICAL SPECIFICATIONS

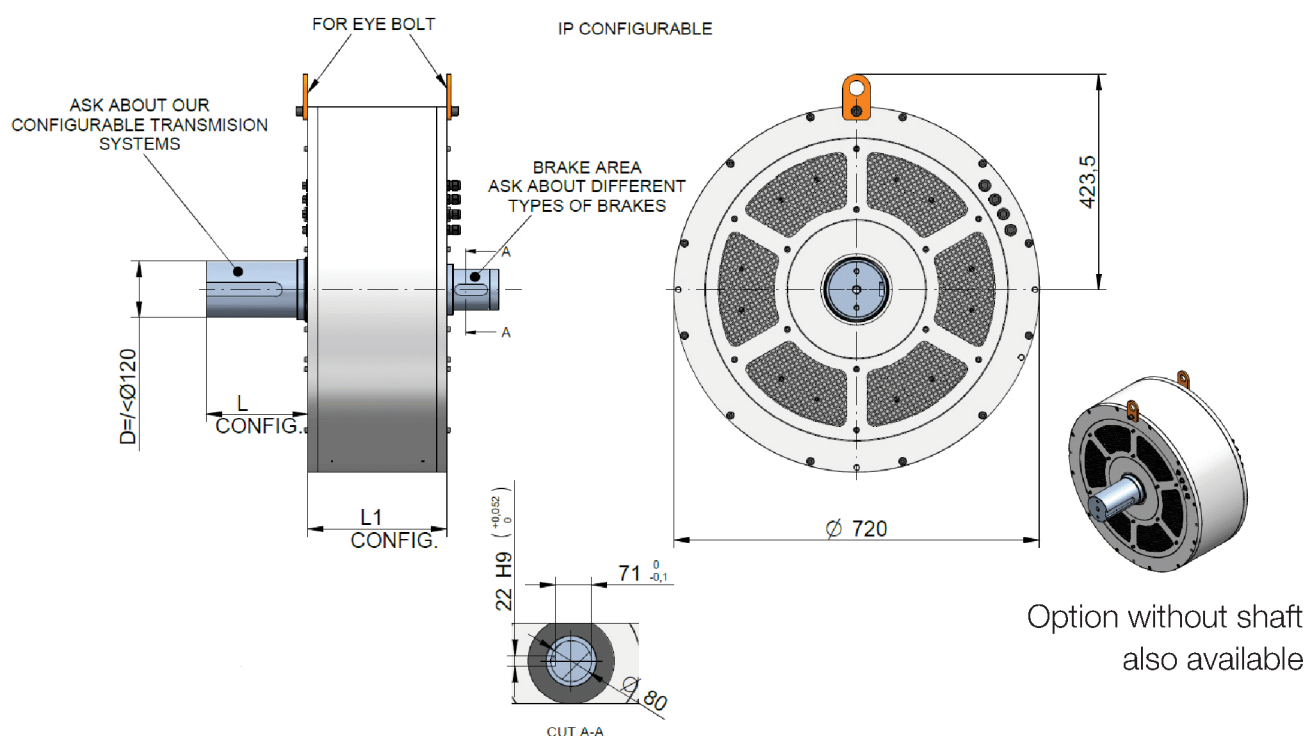
Power output	13 - 50 kW
Nominal speed (Hz)	49 - 90 RPM
Required torque at nominal power	< 6500 Nm
Efficiency	> 90%
Output wire section	12 mm ²
Wire length	700 mm
Isolation class	F
Connection	internal Star
Lifetime	> 20 years

MECHANICAL SPECIFICATION

Mounting Type	horizontal & vertical
Starting Torque	< 1%
Mechanical configuration	Customizable

MATERIAL SPECIFICATION

Shaft material	F-1252 with treatment
Shield material	Steel F1140
Shield corrosion protection	C4M
Magnet material	NdFeB
Magnet class	SH
Lamination type40	non oriented high quality steel



GSIP650 network connection (on grid)

ELECTRICAL SPECIFICATIONS

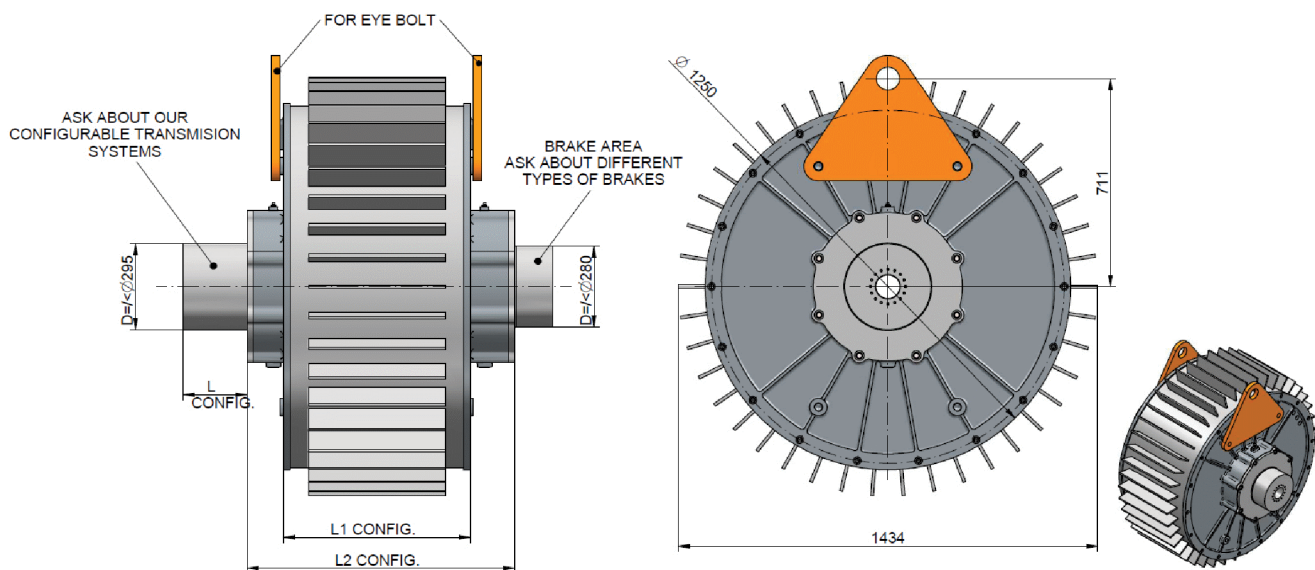
Power output	50 - 110 kW
Nominal speed (Hz)	29 - 60 RPM
Required torque at nominal power	< 30000 Nm
Efficiency	> 90%
Output wire section	12 mm ²
Wire length	700 mm
Isolation class	F
Connection	internal Star
Lifetime	> 20 years

MECHANICAL SPECIFICATION

Mounting Type	horizontal & vertical
Starting Torque	< 1%
Mechanical configuration	Customizable

MATERIAL SPECIFICATION

Shaft material	F-1252 with treatment
Shield material	Steel F1140
Shield corrosion protection	C4M
Magnet material	NdFeB
Magnet class	SH
Lamination type40	non oriented high quality steel



Option without
shaft also available



INNOVATIVE SME



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