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2019/10

**Indar**  
Ingeteam Group



*Your driving force*

Indar Electric, S.L.  
[www.indar.net](http://www.indar.net)



**INDAR INDUSTRY**  
MOTORS

**Indar**  
Ingeteam Group



With more than 80 years of experience, INDAR is today an unequalled partner when it comes to power generation. Within its existence period, INDAR has positioned itself in the forefront of power generation technology through investing in strategic assets. Both human and technical resources, such as its state-of-the-art power electronics and rotating machine laboratory, are just a reflection of the current leading position of INDAR in the global market. Its powerful design, human team and production centers located in Beasain (Spain) Milwaukee (USA), Segorbe (Spain) and Mexico City (Mexico), together with their clear vocation to serve the specific managed projects, make INDAR an option as no other.

## Your partner for the Industrial Markets

Our track record with more than 35 GW power installed is the best guarantee of our technical capabilities to adapt our electric machines to the specific requirement. Technical expertise and the spirit of the adaptability have been and remain being our main strength, with a sole vocation: to be your partner.

## World class testing facilities

INDAR has one of the best test benches in the world. This allows INDAR to fully test its designs for all kind of environmental conditions and to guarantee the best quality on its products, thus developing products and services adapted to the characteristics of each project and customer. For this purpose the R+D+i support unit is made up of highly qualified personnel, and counts with the most advanced computer resources for the design and development of motors and generators. The main philosophy of INDAR is to guarantee the quality and reliability with in-house fully proven solutions.

These are the main capabilities of the test bench:

- On load tests up to 8 MW
- Back to back configuration testing up to 65 MW
- LVRT (low voltage ride through) testing capability
- Self generated grid of 50/60 Hz 20 MVAs
- Combined tests of electrical and thermal insulation ageing
- Climatic chamber (-30°C to 80°C) extreme ambient conditions



METALS

MINING,  
MINERALS &  
CEMENT

POWER  
GENERATION

WATER SUPPLY

Product Range			
	INDAR SCIM Squirrel Cage Induction Motors	INDAR PMM Permanent Magnet Motors	INDAR SM Synchronous Motors
<b>Standards</b>	Upon request	Upon request	Upon request
<b>Power</b>	Up to 15 MW (*)	Up to 15 MW (*)	Up to 50 MW (*)
<b>Size</b>	H ≥ 400	H ≥ 400	H ≥ 630
<b>IP</b>	Up to IP 56	Up to IP 56	Up to IP 56
<b>IC</b>	Upon request (except IC411)	Upon request (except IC411)	Upon request (except IC411)
<b>Current</b>	Upon request (**)	Upon request (**)	Upon request (**)
<b>Voltage</b>	Up to 15 kV	Up to 15 kV	Up to 15 kV

\*Depends on speed

\*\*Depends on size