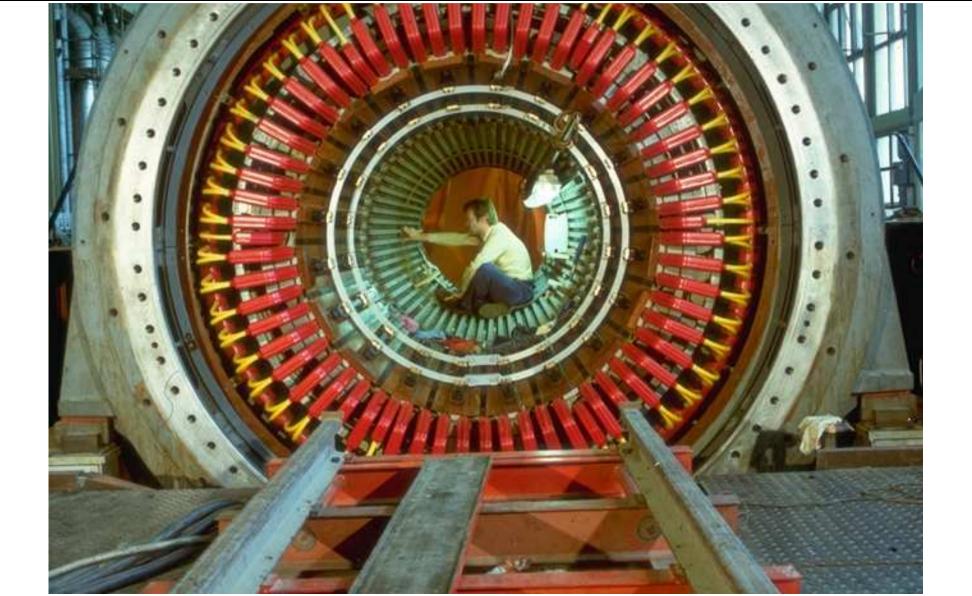
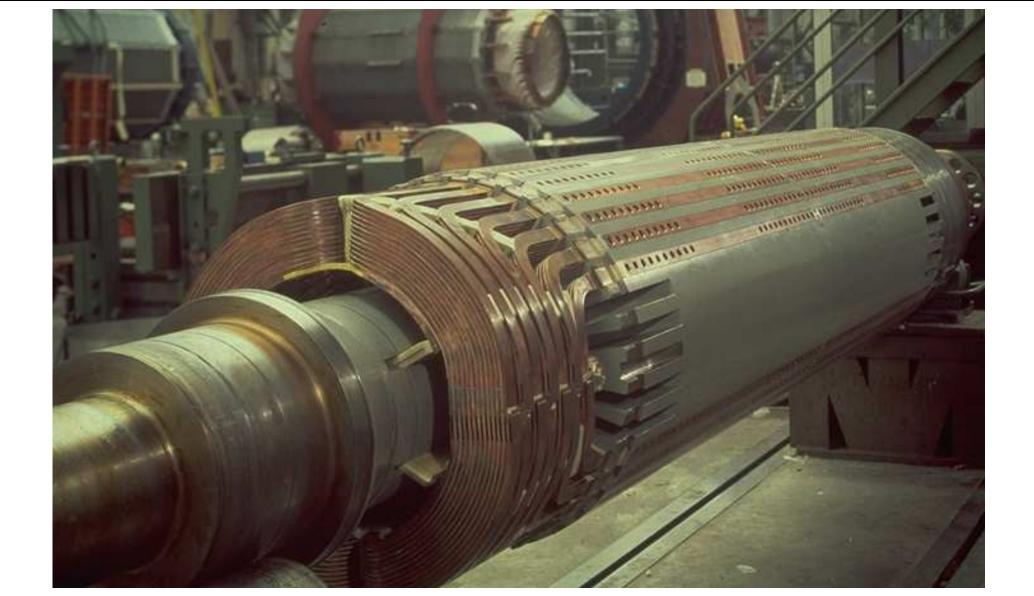
# Motore sincrono a magneti permanenti

brush-less sinusoidale

prof. Luigi Alberti luigi.alberti@unipd.it

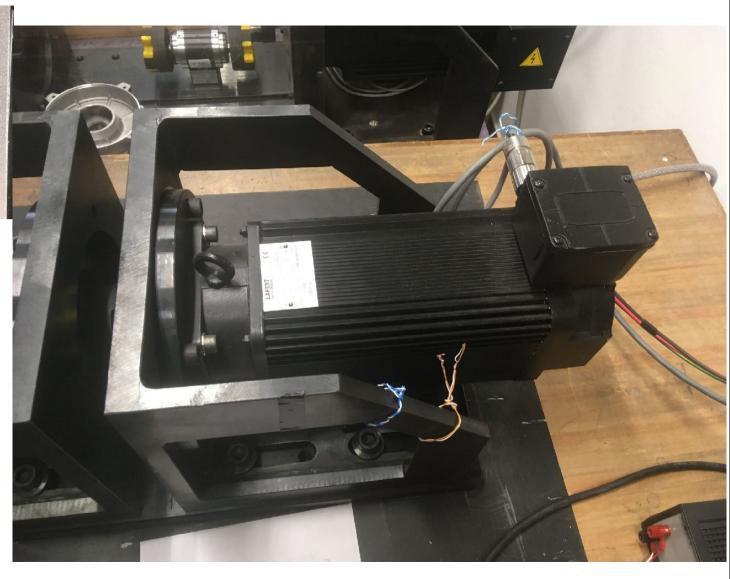








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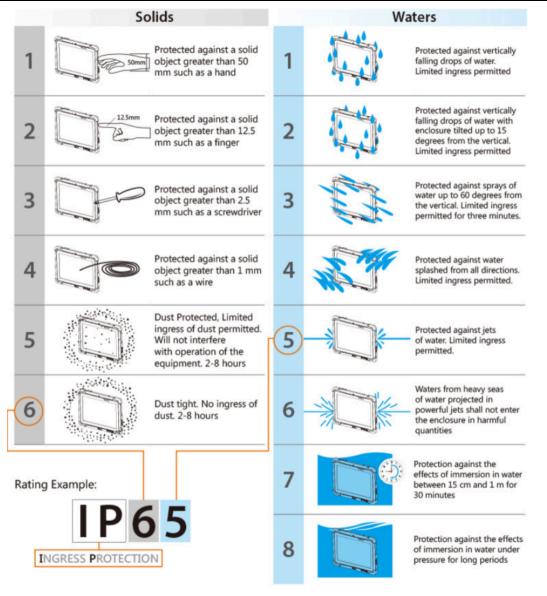


	PERMANENT MAGNET BRUSHLESS SERVOMOTOR
No. 182776	Type BLQ 104 P 19 2010
Nmax RPM	BEMF 148 V/kRPM IP 54
Tn Nm	In 28 Arms IC 400
Tp . 77 Nm	Ip Arms 2p
Transd.	Brake Nm - 24Vdc - A
CEI EN 60034-1	Tamb. max 40° C / Ir . cl. F







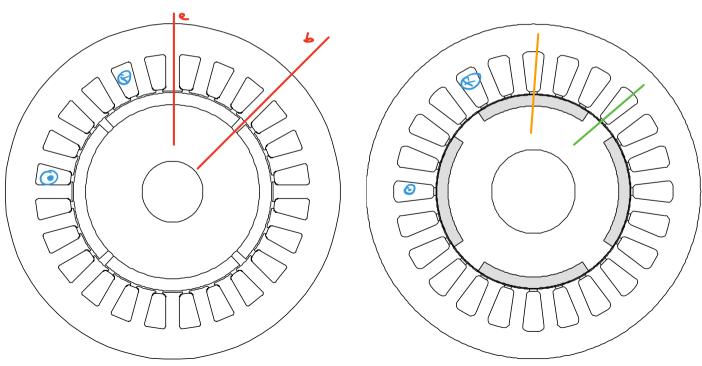




## The rotor configurations

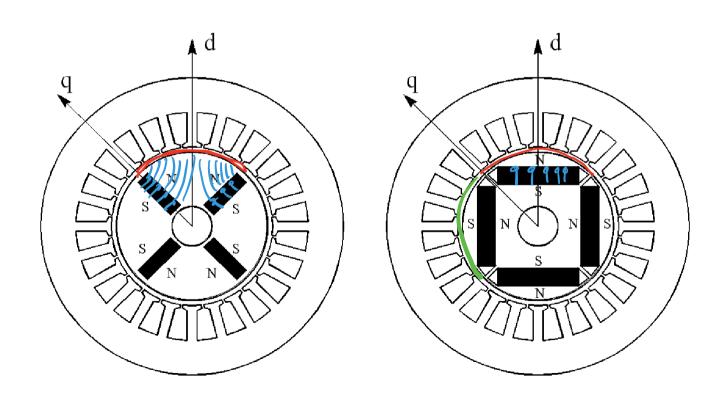
- SPM rotor
- inset rotor

## 4-pole 24-slot motors.



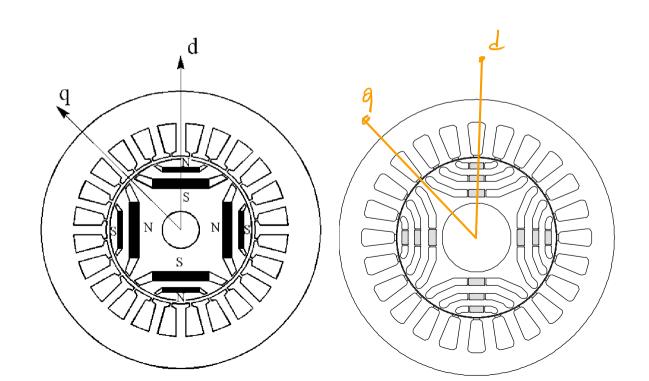
## The rotor configurations

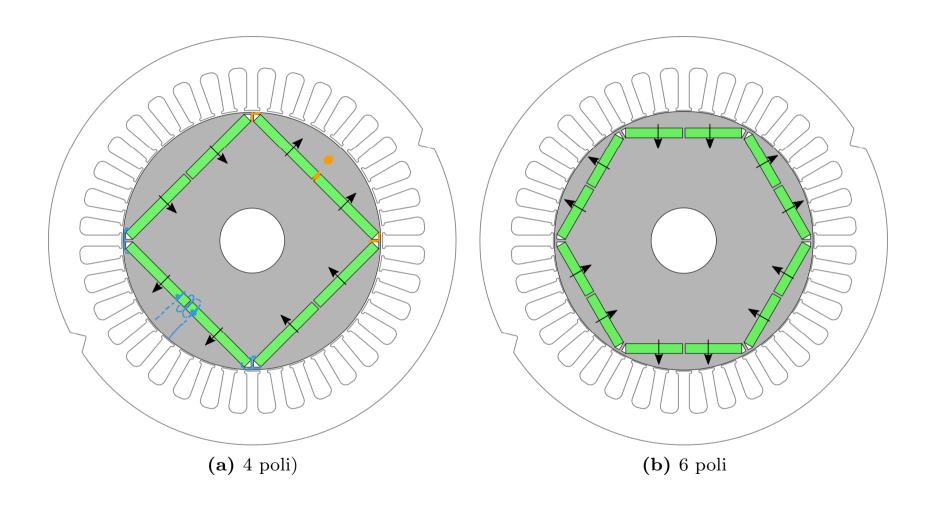
- tangentially magnetized PMs
- radially magnetized PMs

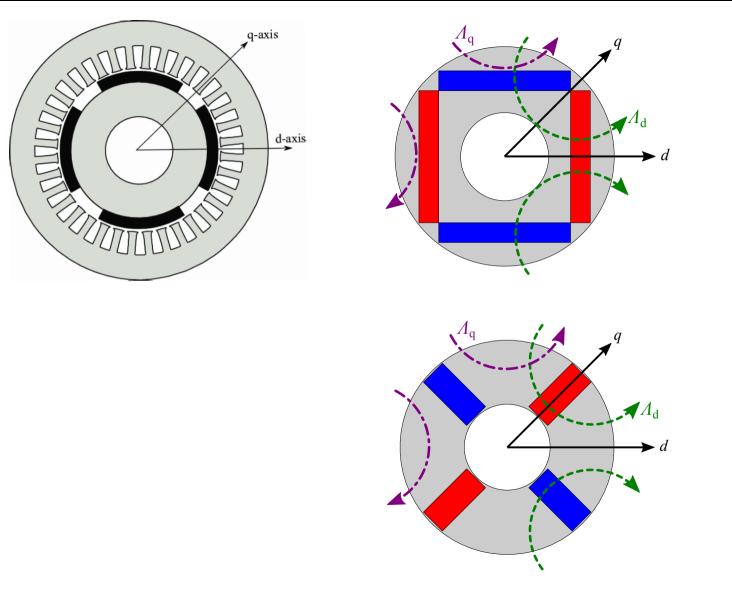


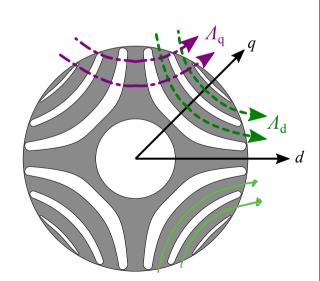
## The rotor configurations

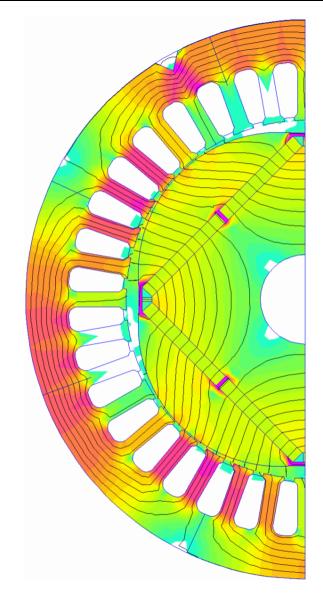
- two flux-barriers per pole
- more flux-barriers per pole
- axially laminated rotor.

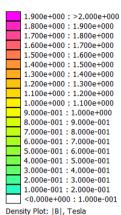


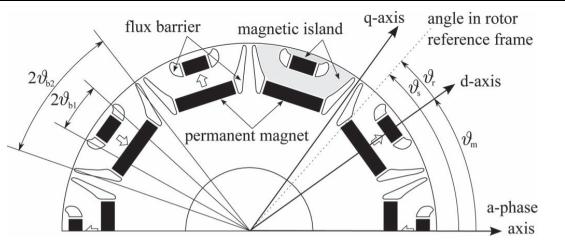


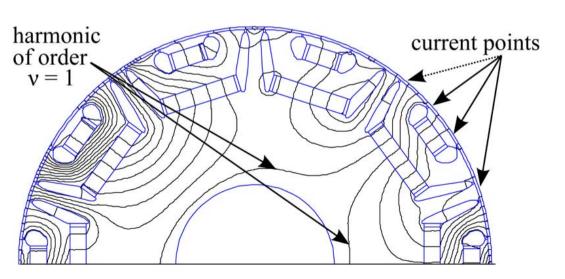


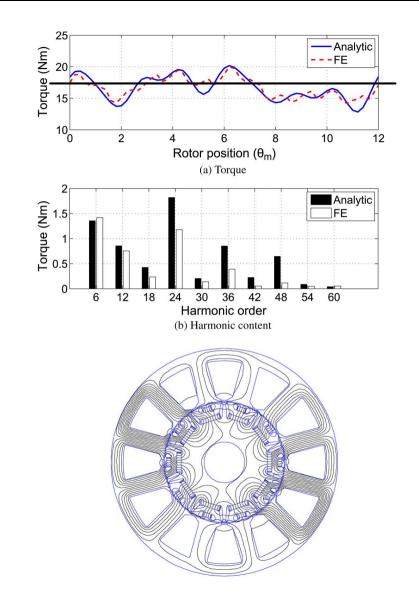






















### Strutture di principio motore con rotore anisotropo (IPM)

- a) SPM (isotropo)
- b) Inset PM (anisotropo)
- c) Salient pole(isotropo|anisotropo)
- d) IPM (Interior PM) (anisotropo)
- e) Spoke PM (anisotropo)
- f) IPM (anisotropo)

