

## عنوان مقاله:

Comparison of Output Characteristics of a Permanent -Magnet and a Field - Winding DC Starter Motor

## محل انتشار:

سیزدهمین کنفرانس مهندسی برق ایران (سال: 1384)

تعداد صفحات اصل مقاله: 6

## نویسندگان:

Kiyoumars - *Isfahan University of Technology*

Moallem - *Isfahan University of Technology*

Pahlevani-Nejad - *Isfahan University of Technology*

Hatam - Pour - *Isfahan University of Technology*

## خلاصه مقاله:

The influence of magnetic saturation of electromagnetic field distribution in both permanent – magnet direct – current (PMDC) and field – winding (wound – field) direct-current (FWDC) motor with the same output mechanical power, have been studied. In this paper, an approximate analytical method and Finite Element Method (FEM) are used for prediction of airgap flux density distribution . no – load and rotor – lucked conditions, according to experimental measurements, the FEM and analytical method studied of the motor, have been studied. A sensitivity analysis also been done on the major design parameters that effect motor performance . at last , these two DC motors are .compared, in spite differences, on the basis of measured output characteristics

## کلمات کلیدی:

PMDC motor , FWDC motor , FEM

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/41946>

