

## عنوان مقاله:

The required power of the MGT-40 gas turbine starter

## محل انتشار:

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## نویسندگان:

Saadat Zirak - Faculty of Mechanical Engineering Department Semnan University, Semnan, Iran

Hamid Ebrahimi - Aerospace Department Sharif University Of Technology Tehran, Iran

Ahmad Reza Maissamy - MapnaTurbine Company (TUGA), Karaj, Iran

## خلاصه مقاله:

Determination of the starter torque-speed diagram is a major task in the design or selection of a proper gas turbine starter. In this paper, the maximum power of the MGT-40 gas turbine starter was calculated based on the dynamics of the rotor, start-up logic, and compressor map. In a recent research, the pressure ratio was assumed as a linear function of the rotor speed and the required starter power was calculated. In this study, the value is determined from the field data. To evaluate the proposed method, the results of obtained power were compared with that of the turbine performance reports. The comparison resulted in a reasonable engineering approximation

## کلمات کلیدی:

Compressor Map, Gas Turbine Starter, Start-up Logic, Start-up Power, Torque-Speed Diagram

## لینک ثابت مقاله در پایگاه سیویلیکا:

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