



TRACTION ELECTRIC MOTOR EDP-800
GPIN.652441.006 TU (Technical conditional)



Electric motor are intended to be used as the motor-wheel drive for dump trucks BelAZ with a weight capacity up to 240 t.

Types of climatic version - NF2, T2acc. to GOST 15150-69.

Operation category according to the affection by the mechanical factors of the outdoor environment M28 acc. to GOST 30631-99.

Heat resistance of the insulating materials as for the motor windings corresponds to "F" and "H" class acc. to GOST 8865-93. The insulating materials are moisture-resistant.

The electric motor provides a reverse.

Excitement of the electric motor – series in motoring condition and independent during the work in the alternator mode.

Category of the electric motor relating to assembly type – IM9001acc. to GOST 2479-79.

The electric motor IP category – IP00 acc. to GOST IEC 60034-5-2011.

Cooling system of electric motor – IC17 acc. to GOST R MEK

60034-6-2012.

The electric motor can be operated at the heights of up to 1200 m above sea level.

Basic technical specifications

Parameter	Value	
	NF2	T2
Rated capacity, kW	800	720
Nominal voltage, V	890	
Rotating speed, sec ⁻¹ (rpm)		
– rated	10 (600)	
– max	33.3 (2000)	
Torque, N·m		
– rated	12700	11500
– max	25400	22900
Efficiency, %	92	
Excitation rate, %		
– rated	100	
– max	32	
Duty type acc. to GOST IEC 60034-1-2014	S2 (short-time)	
Weight, kg, max	4500	

The electric motor can be used with increase in power to 900 kW (NF2) / 810 kW(T2) in duty type S6 60%.

The electric motor without damages and residual deformations maintains within 2 min emergency increase in frequency of rotation to 45 sec⁻¹ (2700 rpm).



MAIN OVERALL AND INSTALLATION DIMENSIONS OF THE ELECTRIC MOTOR EDP-800

