

ELECTRIC DRIVES OF 4СДМ TYPE



Synchronous electric motors of 4СДМ type are designed to drive mechanisms having improved starting characteristics and not requiring adjustment of rotational speed (ball and rod mills, pumps and so on).

Operation mode is continuous S1 from network 50 or 60 Hz.

Climatic modification type: УХЛ4 and О4.

Design on way of installation: IM 7311

Protection class for: the case and terminal boxes- IP 11

Way of cooling: ICA01

Electric motors with voltage 6 Kw suppose **the left or right directions of rotation**.

Change of direction of rotation is carried out only from rest condition;

Electric motors with pressure 10 kV - **the right direction of rotation**.

Isolation of windings of electric motors of **heat resistance class "F"**

Symbol structure:

4	Series number
СДМ	Synchronous mill drive
1250	Size (height of rotation shaft, mm)
K, KA, L	Conventional stator core length
24, 32	Number of pole ends
6, 10	Conventional designation of voltage value, kV
УХЛ4, О4	Climatic modification type

Standard size	Power, kW	Voltage, W	Rotational speed, rpm	Frequenc y, Hz	Mass, kg
4СДМ-1250K 32-6	400	6000	187,5	50	7800
4СДМ-1250K 32-6			225	60	
4СДМ-1250KA 24-6	500	10000	250	50	7100
4СДМ-1250K 24-10					7816
4СДМ-1250K 24-6	630	6000	250	50	7600
4СДМ-1250L 24-10		10000			8450

The basic advantages of electric motors of 4СДМ type over analogues:

- ✓ technology of vacuum-forcing impregnation (HPI) of windings by epoxide compound, which is the basis of isolation «Monolith» of heat resistance class «F»;
- ✓ original design of the rotor winding, providing high reliability;
- ✓ considerable reduction in mass(up to 20 %).