

Standards, regulations nomenclature



China

Directive	Preferred voltages	Circuit	Frequency
GB 18613-2012	230/400 V max. 690 V	Δ/Y	50 Hz

Designation	Grade 3	Grade 2		Grade 1
Mandatory as of	01.09.2012	01.09.2016	01.09.2017	Voluntary
Power range	0,75-375 kW	7,5-375 kW	0,75-7,5 kW	
Number of poles	2,4,6			
Relevant exceptions • Grade 3, Grade 2	<p>1. Intermittent operation / Short term operation The directive only applies to motors in continuous operation. Operating modes other than S1 and S3\geq80% as per IEC 60034-1 are exempted from the regulations. e.g.:</p> <ul style="list-style-type: none"> • S3-70% • S6-80% • S9 <p>Explanation of operating modes \Rightarrow A19 Motor data \Rightarrow C2 and above</p> <p>2. Switchable pole motors \Rightarrow C7-11</p> <p>3. Single phase motors - GB 25958-2010 \Rightarrow C12-13</p> <p>4. Brake motors</p>			
Special features	corresponds IE2	corresponds IE3		

Type Plates (Geared motor)

Grade 3

Type SK 90 LH/4	
3~ Mot.	No. 2005471179-400 12345678
Th.Cl.155 (F) IP 55 S1	IEC 60034 (H)
50 Hz 230/400 Δ/Y	60 Hz 265/460 Δ/Y
5,80/3,34 A 1,5 kW	5,12/2,95 A 1,5 kW
COS ϕ 0,79 1415 min $^{-1}$	COS ϕ 0,76 1725 min $^{-1}$
220-240/380-420 Δ/Y	254-277/440-480 Δ/Y
5,86-5,95/3,39-3,40 A	5,16-5,25/2,98-3,03 A
IE2=82,8%	IE2=84,4%
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