







Brazil

Directive	Preferred voltages	Circuit	Frequency
Decreto nº 4.508	220/380 V 440 V	Δ/Y	60 Hz

Designation	ALTO RENDIMENTO
Mandatory as of	08.12.2009
Power range	0,75-185 kW
Number of poles	2,4,6,8
Relevant exceptions • ALTO RENDIMENTO	<p>1. Intermittent operation / Short term operation The directive only applies to motors in continuous operation. Operating modes other than S1 and S3 $\geq 80\%$ 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. 6-pole motors with powers above 150kW</p> <p>4. 8-pole motors with powers above 110kW</p> <p>5. Single phase motors \Rightarrow  C12-13</p>
Special features	

Type Plates

ALTO RENDIMENTO

Type SK 90 SH/4 AR	
3~ Mot.	No. 2005471178-100 12345678
Th.Cl. 155 (F) IP 55 S1	IEC 60034 (H)
60Hz 220/380 V Δ/Y	60Hz 440 VY
\oplus 4,00/2,31 A 1,1 kW	2,13 A 1,1 kW \oplus
$\cos\phi$ 0,85 1710 min ⁻¹	$\cos\phi$ 0,78 1735 min ⁻¹
REND.=84,3%	REND.=85,9%
NBR 17094	Squirrel Cage induction motor
CAT N	SF 1,15
  ALTO Rendimento 