



**AC Three-phase Motors - IE4/IE3/IE2/IE1**

**SUPER PREMIUM EFFICIENCY MOTORS - IE4/CURUS**

- Wide range from 0.75 to 200kW
- Total reliability and longevity in a well-engineered package
- Enhanced designs to meet today's challenges and market needs



## TECHNICAL DATA

**Motor Type** AMQE 225M PG2 - 45 kW - 2 poles - 400V - 50Hz

## PERFORMANCE DATA

<b>Type</b>	AMQE 225M PG
<b>Poles</b>	2
<b>kW</b>	45
<b>HP</b>	60
<b>rpm</b>	2975
<b>Mn Nm</b>	144.5
$\eta$ 50%	93.1
$\eta$ 75%	95.0
$\eta$ 100%	95.0
<b>cos Phi</b>	0.90
<b>I<sub>N</sub> 400V</b>	76.0
<b>I<sub>N</sub> 460V</b>	-
<b>I<sub>N</sub> 575V</b>	-
<b>I<sub>A</sub>/I<sub>N</sub></b>	7.7

$M_A/M_N$	2.0
$M_S/M_N$	1.8
$M_K/M_N$	2.3
$J \cdot 10^{-3} \text{ kgm}^2$	233
kg	370

## Mechanical Data

Design	Cast iron
Degree of protection	IP 55
Bearings DE/NDE	6313 C3
Lubrication grease	low & high temperature grease
Regreasing device horizontal	1.500 hours
Regreasing device vertical	1.500 hours
Grease Quantity	25 gr
Cooling	IC 411
Vibration Level	A (normal)
Noise Lpa db(A)	80

## Electrical Data

Voltage	400V - 50Hz
Connection	?/Y 400/690V
Duty type	S1
Thermal protection	na
Insulation class	F
Direction of rotation	bidirectional
Ambient temperature	-20°C / +40 °C
Altitude	1000 m.a.s.l.