



**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 280M G4 - 90 kW - 4 poles - 400V - 50Hz

## PERFORMANCE DATA

<b>Type</b>	AMQE 280M G
<b>Poles</b>	4
<b>kW</b>	90
<b>HP</b>	125
<b>rpm</b>	1490
<b>Mn Nm</b>	576.8
$\eta$ 50%	94.2
$\eta$ 75%	96.1
$\eta$ 100%	96.1
<b>cos Phi</b>	0.88
<b>I<sub>N</sub> 400V</b>	154.0
<b>I<sub>N</sub> 460V</b>	-
<b>I<sub>N</sub> 575V</b>	-
<b>I<sub>A</sub>/I<sub>N</sub></b>	6.9

$M_A/M_N$	2.0
$M_S/M_N$	1.9
$M_K/M_N$	2.3
$J \cdot 10^{-3} \text{ kgm}^2$	1460
kg	730

## Mechanical Data

Design	Cast iron
Degree of protection	IP 55
Bearings DE/NDE	6317 C3
Lubrication grease	low & high temperature grease
Regreasing device horizontal	4.000 hours
Regreasing device vertical	4.000 hours
Grease Quantity	35 gr
Cooling	IC 411
Vibration Level	A (normal)
Noise Lpa db(A)	71

## 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.