



**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**

AMQH 160M AA44 - 9.2 kW - 4 poles - 460V - 60Hz / 575V - 60Hz

**PERFORMANCE DATA**

<b>Type</b>	AMQH 160M AA4
<b>Poles</b>	4
<b>kW</b>	9.2
<b>HP</b>	12.4
<b>rpm</b>	1780
<b>Mn Nm</b>	49.5
$\eta$ 50%	91.5
$\eta$ 75%	93.3
$\eta$ 100%	92.4
<b>cos Phi</b>	0.77
<b>I<sub>N</sub> 400V</b>	-
<b>I<sub>N</sub> 460V</b>	16.1
<b>I<sub>N</sub> 575V</b>	12.9

$I_A/I_N$	9.9
$M_A/M_N$	2.7
$M_S/M_N$	2.2
$M_K/M_N$	4.8
$J \cdot 10^{-3} \text{ kgm}^2$	105.0
kg	105.0

## Mechanical Data

Design	Aluminium
Degree of protection	IP 55
Bearings DE/NDE	6309/2Z
Lubrication grease	low & high temperature grease
Regreasing device horizontal	permanent lubrication
Regreasing device vertical	permanent lubrication
Grease Quantity	
Cooling	IC 411
Vibration Level	A (normal)
Noise Lpa db(A)	62

## Electrical Data

Voltage	460V - 60Hz / 575V - 60Hz
Connection	
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.