

# Data sheet

**Item no. / Configuration** 01 / 2106160-11.0-020202-S-A01730  
**Description** HMC2 160L-6 B5 11kW IE2@50 400/690@50 RAL9005

General data		Mechanical data	
Standard series	IEC 60034	Frame / Shaft height	IEC 160
Type	HMC2 160L-6	Type of construction	B5
Design	400 VD / 690 VY 50 Hz + 480 VD / 830 VY 60 Hz	Cooling method	IC411
Direction of rotation	CW	Protection class	IP55
Installation max. altitude (m)	1.000	Temp. insulation class	F
Poles	6	Frame material	Cast iron
		Keyway	Closed
		Balancing	Half key
		IEC vibration class	A
		Weight (kg)	150
		Bearing (DE)	6309 2Z / C3 / DGBB
		Bearing (NDE)	6309 2Z / C3 / DGBB
		Fixed bearing	DE
		Moment of inertia (kg×m <sup>2</sup> )	0
		Painting (color)	RAL 9005
		Corrosion protection	C3L
		Main terminal box pos.	DE top
		Main cable entries	Cable gland 2xM40x1.5 Ø22-30 mm
		Main cable direction	Right from DE
		Main cable material	Nickel plated brass
		Aux. cable entries	Blind cap 2xM20x1.5
		Aux. cable direction	NDE
		Aux. cable material	Nickel plated brass

Classification	
Class society	
Shaft requirement acc. to	None
Ex. code	No
Industrial certification	None

	Winding operation variants		
	11	10.7	12.8
Rated power (kW)	11	10.7	12.8
Frequency (Hz)	50	50	60
Connection	D/Y	D/Y	D/Y
Voltage (V)	400 / 690	380 / 660	440 / 762
Full load current (A)	23.2 / 13.4	25.3 / 14.6	24.7 / 14.2
No load current (A)	11.9	13.9	15.4
Speed (rpm)	973	973	1168
Power factor 100/75/50 (%)	0.77 / 0.71 / 0.59	0.78 / 0.72 / 0.61	0.77 / 0.71 / 0.59
Efficiency 100/75/50 (%)	88.6 / 89.1 / 88.1	88.6 / 89.1 / 88.1	88.6 / 89.1 / 88.1
Efficiency class	IE2	IE2	IE1
Full load torque (Nm)	108	105	105
Tst/Tn	2.49	2.29	2.49
Tmax/Tn	2.35	2.15	2.35
Ist/In	6.2	5.49	6.39
Temp. rise class	B	B	B
Duty	S1	S1	S1
Sound pressure level (dBA)	62.7	62.7	67.7
Min. ambient temp. (°C)	-20°C	-20°C	-20°C
Max. ambient temp. (°C)	40°C	45°C	45°C

