



	<b>MOTOR DATA SHEET - VARIABLE SPEED HYBRID PERMANENT MAGNET</b>	
	<b>Motor CCN</b>	<b>Machine HPM380 A</b>
	24064057 (24064073)	R-Series

Frame	:		
Nominal output	:	45	kW
Frequency	:	76.7-360	Hz
Poles	:	8	
Maximum torque load speed (base speed)	:	4700	rpm
Speed range	:	1400-5400	rpm
Voltage	:	380-480V ± 6%	
Nominal load current (SF 1.00)	:	92	A
Locked rotor current	:	N/A for HPM Motors	
Current at service factor	:	115	A
Max Amps	:	120	A
Efficiency	:	94,0	%
Power Factor	:	0,88	
Nominal load torque (load characteristic at 100%)	:	90	N.m
Insulation class	:	F	
Temperature rise (SF 1.25)	:	< 85	K
Max Ambient Rating	:	46	°C
Ambient temperature	:	46	°C
Service factor	:	1,25	
Duty Cycle	:	24 hours continuous	
Altitude above seal level	:	1000	m
Enclosure Ingress Protection Rating	:	IP23	
Mounting	:	IM5219	
Rotation (from Drive End)	:	Depends on Application	
Approximate Weight	:	95	kg
Moment of inertia	:	0,239	kg.m <sup>2</sup>

**Motor Performance Data at 1.0 Service Factor**

Speed (RPM)	Torque (N-m)	Shaft Power Out (kW)	Electrical Power in (kW)	Current (Amps)	Power Factor (%)	Efficiency (%)
1750	90.5	16.585	18.50	84	90	90.0
2750	90.5	26.06	28.20	86	92	92.4
4390	90.5	41.61	44.00	91	94	94.5
4750	90.5	45.02	47.71	92	95	94.4
5400	80	45.01	47.96	83	97	93.9

	Part number: 24064073		Date: 21/05/2012	
	kW: 45	Hp: 60	Phase :3	Service factor: 1,25
 	Max speed: 5400 Rpm		Nom load power fact: 0,93	
	Voltage: 400 V		Nominal load efficiency: 93,7%	
	Amps : 92 A		Max ambient rating: 46 °C	
	Duty cycle: S1		Insulation class: F	
Encl type: IP23		Elect connection diagram: Y		
Type: HPM 380 A Serial number: N° 000000 / 001				
Patent n° 0005639		MADE IN FRANCE		2103232/A

**Notes:**

Tested in accordance with IEC 60034-2. The indicated values are test average data, within permissible tolerances under IEC 60034-1.

<b>Written</b>	<b>Approved</b>	<b>Date</b>	<b>Revision</b>
P. Schmitz	P. Schmitz	May 18th, 2012	A
<b>Page</b>			1/1