

Motor Datasheet

Product information in accordance with commission regulation (EU) no. 2019/1781, annex I - item no. 2				
1	Rated efficiency at rated load	load	50 Hz	60 Hz
		100%	80.7	77.0
		75%	80.3	76.7
		50%	76.5	72.4
2	Efficiency level:		IE3	IE3
3	Manufacturer name / trade mark / Commercial registration no. / address:			
	Brook Crompton UK Ltd registration number 4305426 Registered Office: St Thomas' Road, Huddersfield, HD1 3LJ			
4	Motor type:		AC INDUCTION	
	Motor part number:		080J209201	
5	Number of poles:		2	
6	Rated power output (kW):	0.75	0.75	
7	Rated input frequency (Hz):	50	60	
8	Rated voltage (V):	230 / 400	460	
9	Rated speed (min ⁻¹):	2875	3420	
10	Phase:		3	
11	Altitudes above sea-level:		1000m	
	Ambient air temperatures:		-20°C +40°C	
	Water coolant temperature:		-	
	Maximum operating temp:		-	
12	Potentially explosives atmosphere:		NO (SAFE AREA)	
	Exempt from regulation:		NO	
12	Reason of exemption:		-	
	-		-	
13	Power losses: Power losses in % of the rated output at the following operation points (speed vs. torque values):	(90/100)	NOT APPLICABLE	
		(90/50)	NOT APPLICABLE	
		(50/100)	NOT APPLICABLE	
		(50/50)	NOT APPLICABLE	
		(50/25)	NOT APPLICABLE	
		(25/100)	NOT APPLICABLE	
		(25/25)	NOT APPLICABLE	

		50 Hz	60 Hz
Power factor:	100%	0.75	0.75
	75%	0.64	0.64
	50%	0.49	0.49
Phase connection:		DELTA / STAR	STAR
Rated current (A):		3.13 / 1.8	1.64
Duty:		S1	S1
Rated torque (Nm):		2.48	2.09
Starting current (I _a /I _n):		5.1	6.0
Starting torque (M _a /M _n):		2.7	2.9
Breakdown torque (M _k /M _n):		3.4	3.7

Drawing No:	J80GF001
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Frame size :	JP-DA80MA
Housing material:	ALUMINIUM
Mounting:	FOOT, HORIZONTAL (IM1001) (B3)
Degree of protection:	55
Method of cooling:	IC411
Thermal class:	155(F)
Motor weight:	9 kg (approx.)

Terminal box position:	Top
Cable entry:	1 x CM25
Cable gland:	YES
Terminal board pin size:	M4


DE bearing:	6204 ZZ CM
NDE bearing:	6204 ZZ CM
Regreasing facility:	GREASED FOR LIFE
Grease:	LITHIUM

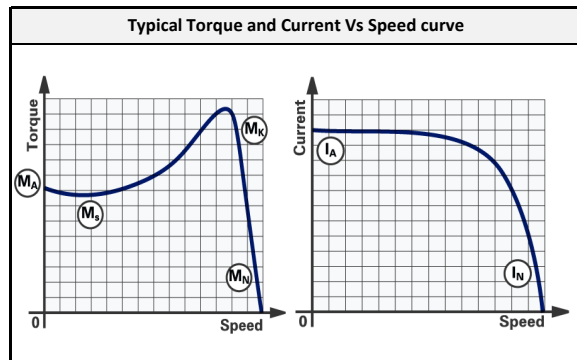
Balance grade:	1.6	mm/sec
Rotor inertia:	0.0009	kgm ²
Rotation direction:	CLOCKWISE AT DRIVE END	

Paint system:	C3
Colour:	RAL5021 (WATER BLUE)

Sound pressure 50Hz:	59	dB(A)
Sound pressure 60Hz:	63	dB(A)

Winding protection:	150°C PTC (THERMISTORS)
Heaters:	- V - W

Hazardous area marking:	 -
Certificate number:	-
tE time:	-



Remarks:		
All data subject to tolerance		
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