

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%	87.7	89.5
		75%	87.7	89.8
		50%	85.7	88.9
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:		100WN242403	
5	Number of poles:		4	
6	Rated power output (kW):	3.00	3.00	
7	Rated input frequency (Hz):	50	60	
8	Rated voltage (V):	230 / 400	460	
9	Rated speed (min ⁻¹):	1420	1704	
10	Phase:		3	
11	Altitudes above sea-level:		1000m	
	Ambient air temperatures:		-20°C to +40°C	
	Water coolant temperature:		-	
	Maximum operating temp:		-	
12	Potentially explosives atmosphere:		NO	
	Exempt from regulation:		NO	
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%	0.82	0.82
	75%	0.76	0.76
	50%	0.65	0.65
Phase connection:		DELTA / STAR	STAR
Rated current (A):		10.4 / 6.0	5.1
Duty:		S1	S1
Rated torque (Nm):		20.2	16.8
Starting current (Ia/In):		7.6	7.6
Starting torque (Ma/Mn):		2.3	2.3
Breakdown torque (Mk/Mn):		2.3	2.3

Frame size :	WE3-100L2-4	
Housing material:	ALUMINIUM	
Mounting:	FOOT, HORIZONTAL (IM1001) (B3)	
Degree of protection:	IP55	
Method of cooling:	IC411	
Thermal class:	155(F)	
Motor weight:	31	kg (approx.)(B3)

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

DE bearing:	6206ZZ C3	
NDE bearing:	6205ZZ C3	
Regreasing facility:	GREASED FOR LIFE	
Grease:	POLYUREA	

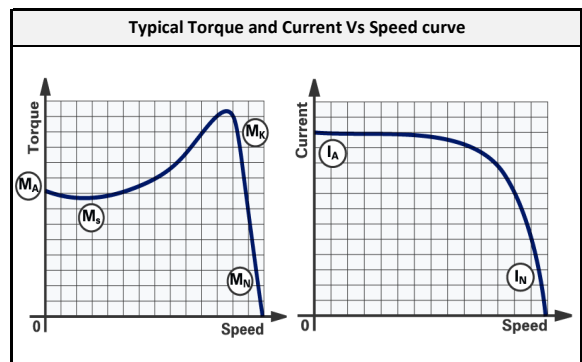
Balance grade:	2.8	mm/sec
Rotor inertia:	0.01400	kgm ²
Rotation direction:	CLOCKWISE AT DRIVE END	

Paint system:	C3	
Colour:	RAL5021 (WATER BLUE)	

Sound pressure 50Hz:	52	dB(A)
Sound pressure 60Hz:	57	dB(A)

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

Hazardous area marking:	⊕ n/a	
Certificate number:	-	
tE time:	n/a	



Remarks:	
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