

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Aluminium

Motor type:

WP-DA100LMF IE3 2P 3KW

Motor item number:

Rated power:	3	kW			3,45	kW
Poles(Synch speed):	2p (3000)	r.p.m			2p (3600)	r.p.m
Full load speed:	2880	r.p.m			3470	r.p.m
Voltage:	230 / 400	V			465 / 460	V
Frequency:	50	Hz			60	Hz
Connection:	Δ / Y				Δ / Y	
Amps full load (FLA):	9,3 / 5,3	A			9,1 / 5,3	A
Amps no-load (NLA):		A				A

Enclosure:	IP55				Cable entries size:	2xCM20
Mounting:					Winding protection:	NO
Insulation Class:	F				Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	40	°C			Heater:	NO
Min. ambient temp.:	-20	°C			Shaft extension:	28x60 mm
Max. temp. rise:	80	°C			Weight:	29,5 kg
Duty type:	S1				Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)				Color:	RAL 5021
Bearing DE	6206	ZZ C3			Box position:	Top DE
Bearing NDE	6205	ZZ C3			Cable entry towards:	Right
Grease:	Esso Unirex N3				Cable type:	N/A
Regreasing facilities:	NO				Balance grade:	Normal

Efficiency class:	IE3				Sound pressure (1m):	66 dB(A)
Load data:	100%	75%	50%		Resistance R20:	1,53 PH
Efficiency:	87,1	88,7	88,7			
Power factor:	0,93	0,90	0,84			

Full load torque (FLT):	10	Nm			Pull out torque ratio:	3,3	MK/MN
Starting torque ratio:	3,0	MA/MN			Pull up torque:	2,8	MS/MN
Starting current ratio:	8,2	IA/IN			Rotor inertia WK2:	0,0058	kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification:		Temp. Class:	
Certificate number:		t _E time:	sek

Special remarks: