

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Aluminium

Motor type:

WP-DA112MR IE3 2P 4,0KW

Motor item number:

Rated power:	4	kW	4,59	kW
Poles(Synch speed):	2p (3000)	r.p.m	2p (3600)	r.p.m
Full load speed:	2895	r.p.m	3485	r.p.m
Voltage:	230 / 400	V	265 / 460	V
Frequency:	50	Hz	60	Hz
Connection:	Δ / Y		Δ / Y	
Amps full load (FLA):	12,7 / 7,3	A	12,6 / 7,2	A
Amps no-load (NLA):		A		A

Enclosure:	IP55	Cable entries size:	2xCM25
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
Load data:	100% 75% 50%
Efficiency:	88,5 89,2 88,5
Power factor:	0,90 0,85 0,74

Sound pressure (1m): 60 dB(A)
Resistance R20: 0,914 PH

Full load torque (FLT):	13 Nm	Pull out torque ratio:	4,8 MK/MN
Starting torque ratio:	3,9 MA/MN	Pull up torque:	3,8 MS/MN
Starting current ratio:	10,0 IA/IN	Rotor inertia WK2:	0,0064 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: