

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Aluminium

Motor type:

WP-DA180ME IE3 4P 18,5kW

Motor item number:

Rated power:	18,5	kW	21,3	kW
Poles(Synch speed):	4p (1500)	r.p.m	4p (1800)	r.p.m
Full load speed:	1475	r.p.m	1770	r.p.m
Voltage:	400 / 690	V	460	V
Frequency:	50	Hz	60	Hz
Connection:	Δ / Y		Δ	
Amps full load (FLA):	34,7 / 20,1	A	34,8	A
Amps no-load (NLA):		A		A

Enclosure:	IP55	Cable entries size:	2 x CM32
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:	48x110 mm
Max. temp. rise:	80 °C	Weight:	112 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6310 ZZ C3	Box position:	Top DE
Bearing NDE	6308 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):	62 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,415 PH
Efficiency:	92,6 92,8 92		
Power factor:	0,83 0,74 0,60		

Full load torque (FLT):	120 Nm	Pull out torque ratio:	3,0 MK/MN
Starting torque ratio:	2,8 MA/MN	Pull up torque:	2,0 MS/MN
Starting current ratio:	8,4 IA/IN	Rotor inertia WK2:	0,16 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: