

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Aluminium

Motor type:

WP-DA160LT IE3 2P 18,5kW

Motor item number:

Rated power:	18,5	kW			21,3	kW
Poles(Synch speed):	2p (3000)	r.p.m			2p (3600)	r.p.m
Full load speed:	2955	r.p.m			3550	r.p.m
Voltage:	230 / 400	V			460	V
Frequency:	50	Hz			60	Hz
Connection:	Δ / Y				Δ	
Amps full load (FLA):	56,3 / 32,5	A			31,6	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:	42x110 mm
Max. temp. rise:	80	°C			Weight:	92 kg
Duty type:	S1				Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)				Color:	RAL 5021
Bearing DE	6309	ZZ C3			Box position:	Top DE
Bearing NDE	6307	ZZ C3			Cable entry towards:	Right
Grease:	Esso Unirex N3				Cable type:	N/A
Regreasing facilities:	NO				Balance grade:	Normal

Efficiency class:				Sound pressure (1m):	68 dB(A)
Load data:	100%	75%	50%	Resistance R20:	0,343 PH
Efficiency:	93,3	93,4	9,5		
Power factor:	0,88	0,84	0,75		

Full load torque (FLT):	60	Nm		Pull out torque ratio:	4,0	MK/MN
Starting torque ratio:	2,7	MA/MN		Pull up torque:	2,2	MS/MN
Starting current ratio:	9,0	IA/IN		Rotor inertia WK2:	0,063	kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: