

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-DF160LT IE3 2P 18,5kW**
Motor item number: **160W41830T**

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:	400 / 690	V	3550	V
Frequency:	50	Hz	60	Hz
Connection:	Δ / Y		Δ	
Amps full load (FLA):	32,5 / 18,8	A	31,6	A
Amps no-load (NLA):		A		A

Enclosure:	IP55	Cable entries size:	2 x CM32
Mounting:	IM B3 (IM 1001)	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:	133 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:	IE3	Sound pressure (1m):	68 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,343 PH
Efficiency:	93,3 93,4 92,5		
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: