

# BROOK CROMPTON

## TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

a company of



Motor type: **W-DF315LN IE2 2P 185kW B3**  
Motor item number:

50 HZ data	Rated power:	185 kW	60 HZ data		kW
	Poles(Synch speed):	2p (3000) r.p.m		r.p.m	
	Full load speed:	2980 r.p.m		r.p.m	
	Voltage:	400 V		V	
	Frequency:	50 Hz		Hz	
	Connection:	Δ			
	Amps full load (FLA):	309 A		A	
	Amps no-load (NLA):	A			

Enclosure:	IP55	Cable entries size:	
Mounting:	IM B3 (IM 1001)	Winding protection:	3xPT160
Insulation Class:	F	Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	+40 °C	Heater:	no
Min. ambient temp.:	-20 °C	Shaft extension:	65x140 mm
Max. temp. rise:	80 K	Weight:	1300 kg
Duty type:	S1	Painting:	Argus
Cooling form:	IC411 (TEFC)	Color:	RAL 5021
Bearing DE	6316 C3	Box position:	Top DE
Bearing NDE	6316 C3	Cable entry towards:	Right
Grease:	Lithium or Polyurea Base	Cable type:	N/A
Regreasing facilities:	YES	Balance grade:	Normal

Efficiency class:	IE2	Sound pressure (1m):	80 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,015 PH
Efficiency:	95 95,5 94,6		
Power factor:	0,91 0,90 0,86		

Full load torque (FLT):	592,9 Nm	Pull out torque ratio:	2,8 MK/MN
Starting torque ratio:	2,0 MA/MN	Pull up torque:	1,7 MS/MN
Starting current ratio:	7,8 IA/IN	Rotor inertia WK2:	2,8 kgm <sup>2</sup>

Special remarks:
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### SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

Hazardous classification:	Temp. Class:
Certificate number:	t <sub>E</sub> time: sek

Special remarks:
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