

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type:

WP-UDF225MN IE3 6P 30kW

Motor item number:

Rated power:	30	kW	34,5 kW
Poles(Synch speed):	6p (1000)	r.p.m	6p (1200) r.p.m
Full load speed:	985	r.p.m	1185 r.p.m
Voltage:	400 / 690	V	460 V
Frequency:	50	Hz	60 Hz
Connection:	Δ / Y		Δ
Amps full load (FLA):	57,5 / 33,4	A	57 A
Amps no-load (NLA):		A	A

Enclosure:	IP55	Cable entries size:	2 x M40 + 1 x M20
Mounting:		Winding protection:	3x PTC 160 °C
Insulation Class:	F	Max. Altitude:	1000 m.a.s.l.
Max. ambient temp.:	+40 °C	Heater:	NO
Min. ambient temp.:	-20 °C	Shaft extension:	60x140 mm
Max. temp. rise:	80 °C	Weight:	375 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021 Argus
Bearing DE	6314 C3	Box position:	Top DE
Bearing NDE	6314 C3	Cable entry towards:	Right
Grease:	NSK EA6	Cable type:	EXAR 500 6 mm ²
Regreasing facilities:	YES	Balance grade:	Normal

Efficiency class:	IE3	Sound pressure (1m):	63 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,26 PH
Efficiency:	92,9 92,9 92,3		
Power factor:	0,81 0,77 0,68		

Full load torque (FLT):	291 Nm	Pull out torque ratio:	2,1 MK/MN
Starting torque ratio:	2,7 MA/MN	Pull up torque:	1,8 MS/MN
Starting current ratio:	6,0 IA/IN	Rotor inertia WK2:	1,23 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: