

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

Motor type: **WP-UDF355SN IE3 2P 280kW**
Motor item number:

Rated power:	280	kW	320	kW
Poles(Synch speed):	2p (3000)	r.p.m	2p (3600)	r.p.m
Full load speed:	2980	r.p.m		r.p.m
Voltage:	400 / 690	V	460	V
Frequency:	50	Hz	60	Hz
Connection:	Δ / Y		Δ	
Amps full load (FLA):	474 / 275	A		A
Amps no-load (NLA):		A		A

Enclosure:	IP55	Cable entries size:	2 x M63 + 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:	75x185 mm
Max. temp. rise:	80 °C	Weight:	2100 kg
Duty type:	S1	Painting:	Manufacturer standard
Cooling form:	IC411 (TEFC)	Color:	RAL 5021 Argus
Bearing DE	N316 C3	Box position:	Top DE
Bearing NDE	6316 C3	Cable entry towards:	Right
Grease:	NSK EA6	Cable type:	ZYRAD500 70 mm^2
Regreasing facilities:	YES	Balance grade:	Normal

Efficiency class:	IE3	Sound pressure (1m):	80 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,0073 PH
Efficiency:	95,8 95,3 94,2		
Power factor:	0,89 0,88 0,84		

Full load torque (FLT):	898	Nm	Pull out torque ratio:	2,7	MK/MN
Starting torque ratio:	2,0	MA/MN	Pull up torque:	1,6	MS/MN
Starting current ratio:	7,5	IA/IN	Rotor inertia WK2:	5,9	kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: