

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Aluminium

Motor type: WP-DA160LU IE3 4P 15kW
Motor item number:

50 HZ data	Rated power:	15	kW	60 HZ data	17,3	kW
	Poles(Synch speed):	4p (1500)	r.p.m		4p (1800)	r.p.m
	Full load speed:	1475	r.p.m		1770	r.p.m
	Voltage:	230 / 400	V		460	V
	Frequency:	50	Hz		60	Hz
	Connection:	Δ / Y			Δ	
	Amps full load (FLA):	48,7 / 28,1	A		28,1	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:	IE3	Sound pressure (1m):	63 dB(A)
Load data:	100% 75% 50%	Resistance R20:	0,494 PH
Efficiency:	92,8 93 92,3		
Power factor:	0,83 0,76 0,62		

Full load torque (FLT):	97 Nm	Pull out torque ratio:	2,5 MK/MN
Starting torque ratio:	3,2 MA/MN	Pull up torque:	2,4 MS/MN
Starting current ratio:	9,1 IA/IN	Rotor inertia WK2:	0,098 kgm ²

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

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

Special remarks: