



## TECHNICAL DATA SHEET

RATING AND BASIC DATA	
Quotation Ref:	verbal
Motor Type	ALCA
Type	Cage Rotor
Material	Cast Iron
Output Power (Kw)	55.00
Power Supply Voltage (V) (+/- 10%)	400
Power Supply Freq (Hz) (+/- 2%)	50
No. of Poles	8
Industry Standard	IEC 60034
Efficiency Banding	IE2
Enclosure	TEFC, IC411, IP55
Mounting	IM1001, B3
CONSTRUCTION	
Frame Size	315S
Bearing Type	Anti-friction
Lubrication	Grease
Grease Type	Esso Unirex N3
Insulation Class	F
Temperature rise by Resistance at S.F.1.0	B
Vibration level	Grade A (IEC 60034-14)
Estimated weight (kgs)	1463
SITE CONDITION	
Ambient temperature (deg C)	-15 min / 40 max
Maximum Altitude (metre)	1000
Area Classification	Safe
Rating	Continuous S1
Service factor	1.0
Starting method	DOL
PERFORMANCE DATA	
Full Load Speed (rpm)	738
Full Load Current (FLC, A)	106.04
Efficiency – 4/4 load (%)	93.0
Efficiency – 3/4 load (%)	93.0
Efficiency – 1/2 load (%)	92.3
Efficiency – 1/4 load (%)	0.0
Power Factor – 4/4 load (%)	80.50
Power Factor – 3/4 load (%)	77.20
Power Factor – 1/2 load (%)	67.80
Power Factor – 1/4 load (%)	0.00
Starting Current (%FLC) +20% IEC Tolerance	604
Full Load Torque (Nm)	712
Starting Torque (%FLT)	145
Breakdown Torque (% FLT)	210
ACCESSORIES	
Winding thermistors 3 pcs, 1 per phase	Included
PAINTING	
Specification	TECO Standard
Finish Colour	RAL 7032
Country of Origin	
Country of Origin	China

All data is calculated and subject to confirmation in the event of an order.

**All data is subject to IEC 60034 Tolerances.**