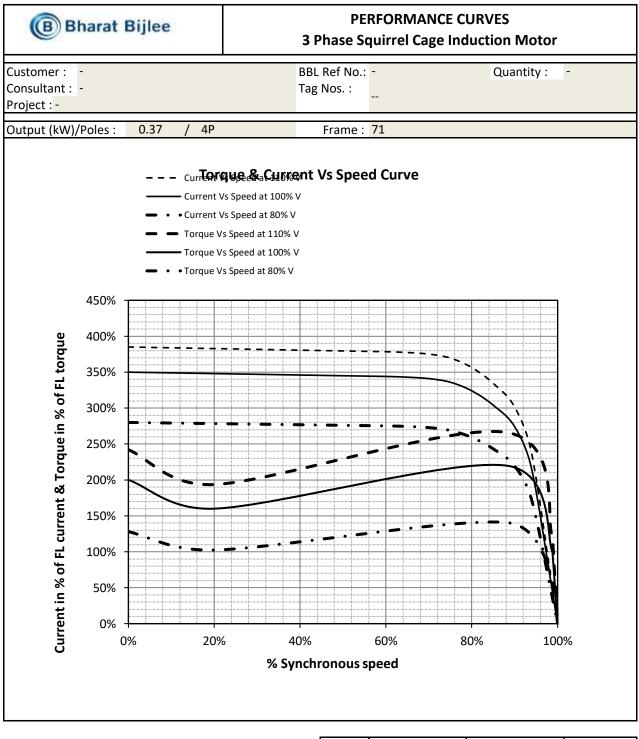
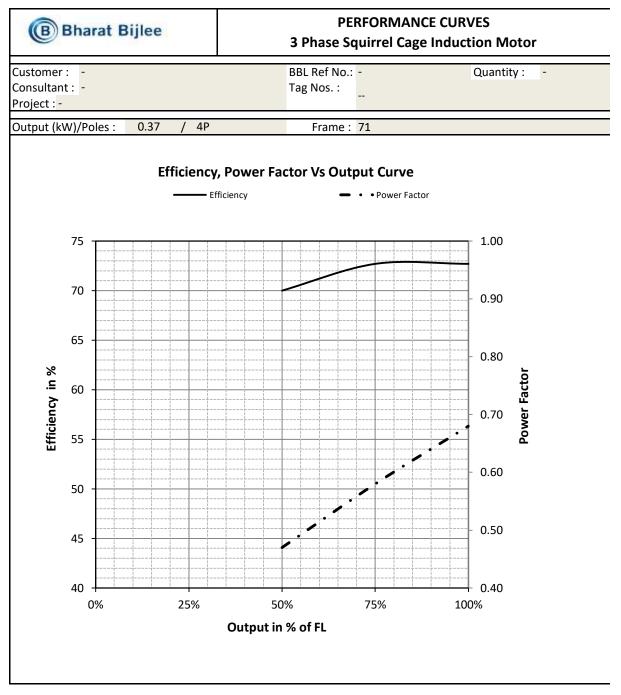
Bharat B	ijlee	Data shee	t for motors	
Manufacturer	Bharat Bijlee Ltd.		Customer	
Type of motor	3 Phase Induction Motor		BBL Enquiry reference No	
Quantity			Customer P.O.Number	
Application	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.	
Tag no.			Output kW / pole	0.37 / 4P
BBL type tef.	-		Frame size	71
nstallation detai	ils	I	Applicable standards (latest edition)	
Area classification	n (Safe / Hazardous)	Industrial safe area	Performance: IS15999-1 Maintenance IS:900	
ocation: indoor/	outdoor/deck	Indoor	Dimensions: IS 1231/IS 2223/IS:8223	
Altitude (meters)		1000 or less	Vibrations: IS 12075	
			Noise level: IS 12065	
Hazardous area d	details		Supply conditions and permissible variations (grid	supply)
Area classification	n GAS (Zone 1/Zone 2)	N.A.	Number of phases	Three
Gas group		N.A.	Voltage (Volts) and permisible variation	415 ±10%
emp.class		N.A.	Frequency (Hz) and permissible variation	50 ±5%
Type of Explosion e'/Type 'n')	n protection (FLP/Type	N.A.	Combined variation (absolute sum)	±10%
	rity for hazardous area	Not Applicable		
Electrical param	eters	- *		
tarting perform				
Aethod of starting		DOL	Starting current (%FLC)	350
.oad speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)	200
Aotor GD ² (kgm ²		0.0031	Pull out torque (% FLT)	220
Load $GD^2(kgm^2)$	/	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	30 / 60
Load torque-spee	d curve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.)	2/3
starting time at ra	ated voltage (sec)	PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2	
Running Perform		DETAILS		
Efficiency class	mine	IE2	Duty and designation	Continuous (S1)
Ambient temp./temp.rise by resistance (deg.C)		50 / 70	CDF/Equivalent starts per hour/FI	-
Enclosure		TEFC (TOTALLY ENCLOSED	Insulation class / utilisation class on DOL	F/B
		FAN COOLED)		Carrient Care
Full load current (FLC) amps.		1 1400	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage
Full load speed (r		0.26	Rotor voltage/rotor current (RV/RA) (Volts/Amps) Stator/rotor time constant (min)	Not applicable 72/97
Full load torque (FLT) kg-m Efficiency in % at FL/0.75FL/0.5FL		72.7 72.7 70.0	Power factor at FL/0.75FL/0.5FL	0.68 0.58 0.47
Mechanical para		12.1 12.1 10.0	Fowel lactol at FL/0.75FL/0.5FL	0.08 0.38 0.47
Aounting	interers	B3	Mounting dimensions	Refer GA drawing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE	Clockwise
Degree of protect	ion	IP 55	Suitable for bidirectional rotation	Yes
Method of cooling (TEFC/forced cooled/TESC)		TEFC (IC 411)	Paint type	Acrylic
Net weight of motor (kgs.)		8	Paint shade	RAL 5000
Bearings	· • ·		Earthing provision (two terminals on stator body) Terminal box	Yes
Coupling (Direct/flexible/Belt &		Direct	Terminal box Terminal box location when viewed from DE	As per GA drawing
ulley/Gearbox)				
Dimensions of pulley (OD x width) mm		- Ball /Dall	Direction of cable entry	As per GA drawing
Bearings (roller/ball/angular contact)		Ball /Ball 6202 2Z C3 / 6202 2Z C3	Cable size and type(Aluminium) B Earthing provision (one terminal in TB)	1R X 3C X 4 SQ MM Yes
Bearing size DE/NDE			No of phases/Winding connection/number of	
Type of lubrication		LITHIUM SOAP BASE GREASE	terminals	3 / STAR / 6
ccessories		Ι		
	s simplex (w/o controller)		Arrow plate for direction of rotation	
BTDs - 1 number per bearing (w/o controller)			Double compression glands (main cable) Double compression glands (Space	
Space heaters - single phase 50z, 230V			heater/thermisters/RTDs)	
	C, 1 number per phase		Brake (Type/voltage/torque)	
Additional T-Box				
Additional namep	blate			
Notes:				
All performance	e values are subject to IS15999	-1 tolerances, unless otherwise specifi	ea.	

All performance values are subject to IS15999-1 tolerances, unless otherwise specified.
Performance values are at rated voltage and rated frequency condition and for DOL starting condition.
Motor GD² = Load GD² assumed wherever not mentioned.
Where starting time is more than 10 seconds, provision of heavy duty relays is mandatory.
Kilowatt rating is mandatory and HP is approximate.
Accessories provided are marked as "YES"

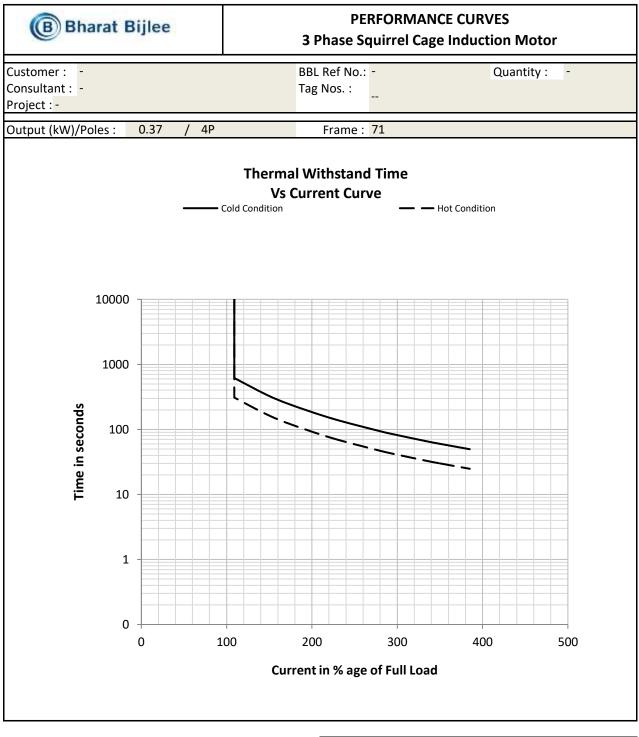
		Prepared by	
		Approved by	
		Revison	
Project:	Contractor/Client	Date:	
Consultant	Package	Date.	



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