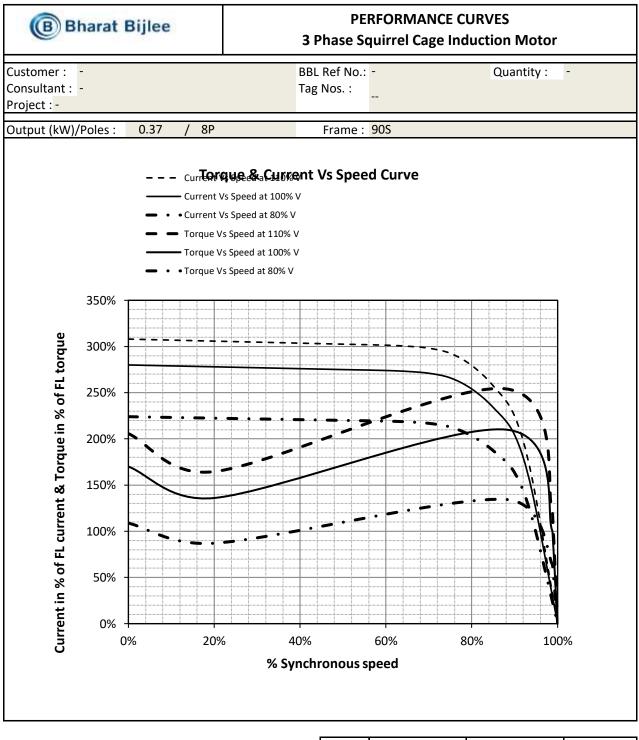
Manufacturer	Bharat Bijlee Ltd.		Customer			
Type of motor	3 Phase Induction Motor		BBL Enquiry reference No			
Quantity			Customer P.O.Number			
Application	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.	0.07		010
Tag no.			Output kW / pole	0.37	/ 90S	8P
BBL type tef. Installation detail	ila		Frame size Applicable standards (latest edition)		905	
instatiation aetai	113		Applicable standards (talest edition)			
	on (Safe / Hazardous)	Industrial safe area Indoor	Performance: IS15999-1 Maintenance IS:900			
Location: indoor/ Altitude (meters)		1000 or less	Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075			
Altitude (meters)		1000 01 less	Noise level: IS 12075			
Hazardous area	details		Supply conditions and permissible variations (grid	supply)		
-	on GAS (Zone 1/Zone 2)	N.A.	Number of phases	suppiy)	Three	
Gas group		N.A.	Voltage (Volts) and permisible variation	415		10%
Temp.class		N.A.	Frequency (Hz) and permissible variation	50		±5%
	on protection (FLP/Type			50		2070
'e'/Type 'n')		N.A.	Combined variation (absolute sum)		±10%	
	rity for hazardous area	Not Applicable				
Electrical param						
Starting perform		DOI			200	
Method of startin		DOL CUSTOMED TO EUDNISH	Starting current (%FLC)		280	
Load speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)		170	
Motor GD ² (kgm	,	0.0097	Pull out torque (%FLT)		210	
Load GD ² (kgm ²))	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	30	/	60
Load torque-spee	ed curve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2	2/3		
Starting time at ra	ated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	mance	1	<u>.</u>			
Efficiency class		IE2	Duty and designation	Continuous (S1)		(S1)
Ambient temp./temp.rise by resistance (deg.C)		50 / 70	CDF/Equivalent starts per hour/FI	-		
Enclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
Full load current	(FLC) amps.	1.3	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		
Full load speed (1	rpm)	680	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
Full load torque (0.53	Stator/rotor time constant (min)		72/97	
	at FL/0.75FL/0.5FL	56.1 56.1 53.0	Power factor at FL/0.75FL/0.5FL	0.71	0.58	0.46
Mechanical para	ameters		F			
Mounting		B5	Mounting dimensions	Re	fer GA dr	
Shaft extention		Single cylindrical	Direction of rotation viewed from DE	Clockwise		ise
Degree of protect		IP 55	Suitable for bidirectional rotation	Yes		
Method of coolin	ng (TEFC/forced	TEFC (IC 411)	Paint type	Acrylic		
cooled/TESC)	otor (kgs)	12	Paint shade	RAL 5000		00
let weight of motor (kgs.)		12	Earthing provision (two terminals on stator body)	Yes		00
Bearings			Terminal box		103	
Coupling (Direct	/flexible/Belt &	Direct	Terminal box Terminal box location when viewed from DE	Δε	per GA di	rawing
Pulley/Gearbox) Dimenssions of p	ulley (OD x width) mm	-	Direction of cable entry	As per GA drawing As per GA drawing		
1	ball/angular contact)	Ball /Ball	Cable size and type(Aluminium)	1R X 3C X 4 SQ MM OI		
Bearing size DE/NDE		6205 2Z C / 5205 2Z C	Earthing provision (one terminal in TB)	2R X 3C X 4 SQ MM Yes		
Type of lubrication	on	LITHIUM SOAP BASE GREASE	No of phases/Winding connection/number of terminals	3 / STAR / 6		
Accessories			•			
	rs simplex (w/o controller) r per bearing (w/o controller)		Arrow plate for direction of rotation Double compression glands (main cable)			
	ingle phase 50z, 230V		Double compression glands (Space			
Thermisters - PT(C, 1 number per phase		heater/thermisters/RTDs) Brake (Type/voltage/torque)			
Additional T-Box			Diake (Type/voltage/loique)			
radiational 1-DOX						
Additional namer	plate					

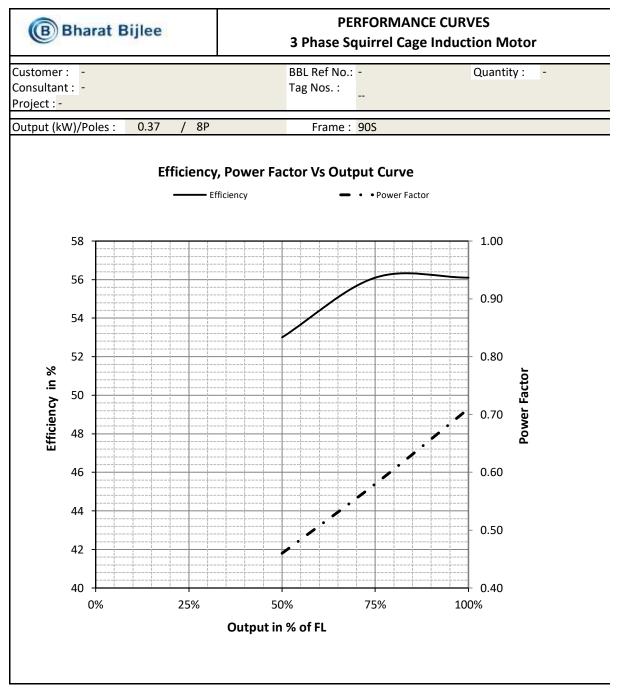
2)Performance values are at rated voltage and rated frequency condition and for DOL starting condition.

3)Motor GD² = Load GD² assumed wherever not mentioned.
4)Where starting time is more than 10 seconds, provision of heavy duty relays is mandatory.
5)Kilowatt rating is mandatory and HP is approximate.
6) Accessories provided are marked as "YES"

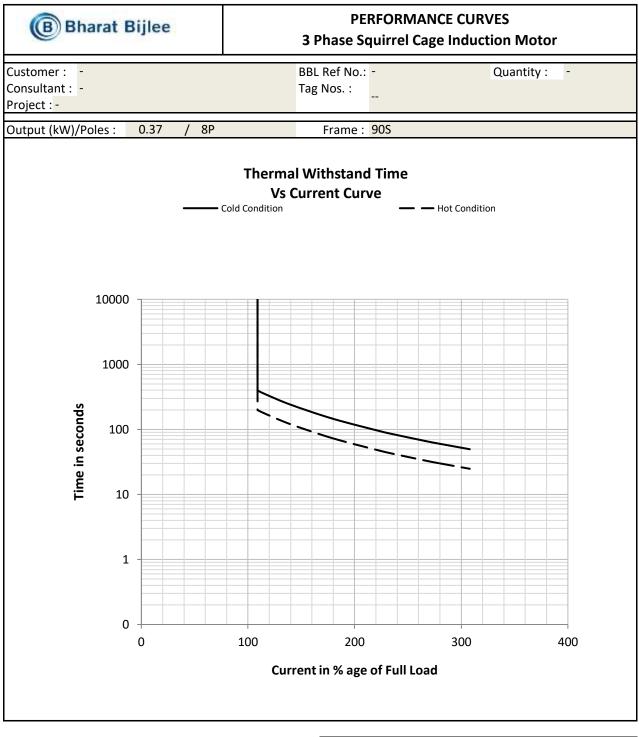
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		Approved by	
		Revison	
Project:	Contractor/Client	Data:	
Consultant	Package	Date:	



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Rev No.	Prepared By	Checked By	Date



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