Manufacturer	Bharat Bijlee Ltd.		Customer			
Type of motor 3 Phase Induction Motor			BBL Enquiry reference No			
Quantity	CUCTON		Customer P.O.Number			
Application	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.	0.75	,	40
Tag no. BBL type tef.			Output kW / pole Frame size	0.75	/ 80	4P
Installation detai	ils		Applicable standards (latest edition)		00	
Area classification	n (Safe / Hazardous)	Industrial safe area	Performance: IS/IEC 60034-1 Maintenance IS:900			
Location: indoor/outdoor/deck		Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
Altitude (meters)		1000 or less	Vibrations: IS 12075			
** 1	1 / 1		Noise level: IS 12065			
Hazardous area		N.A.	Supply conditions and permissible variations (grid Number of phases	t supply)	Three	
Area classification GAS (Zone 1/Zone 2) Gas group		N.A.	Voltage (Volts) and permisible variation	415 ±10%		
Temp.class		N.A.	Frequency (Hz) and permissible variation	50 ±5%		
Type of Explosion protection (FLP/Type 'e'/Type 'n')		N.A.	Combined variation (absolute sum)		±10%	
Approving authority for hazardous area		Not Applicable				
Electrical param	neters					
Starting perform						
Method of startin	8	DOL	Starting current (%FLC)	500		
Load speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)	280		
Motor GD ² (kgm ²	²)	0.0073	Pull out torque (%FLT)		300	
Load GD ² (kgm ²)		CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
Load torque-speed curve		Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2	2/3		
Starting time at ra	<u> </u>	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	nance	ШЭ		C		(01)
Efficiency class Ambient temp./temp.rise by resistance (deg.C)		IE2 50 / 70	Duty and designation CDF/Equivalent starts per hour/FI	Continuous (S1)		
Enclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
Full load current (FLC) amps.		1.7	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		Cage
Full load speed (rpm)		1410	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		cable
Full load torque (FLT) kg-m	0.52	Stator/rotor time constant (min)		90/12	2
Efficiency in % at Mechanical para	t FL/0.75FL/0.5FL	79.6 79.6 76.0	Power factor at FL/0.75FL/0.5FL	0.77	0.67	0.55
Mounting	inclers	B8	Mounting dimensions	Refe	er GA d	rawing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE		Clockw	
Degree of protect	ion	IP 55	Suitable for bidirectional rotation		Yes	
Method of cooling	g (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type	Acrylic		c
Net weight of mo	tor (kgs.)	11	Paint shade	RAL 5000		000
Bearings			Earthing provision (two terminals on stator body) Terminal box		Yes	
Coupling (Direct/	/flexible/Belt &	Direct	Terminal box location when viewed from DE	As per GA drawing		
Pulley/Gearbox)	ulley (OD x width) mm		Direction of cable entry			
Dimensions of pulley (OD x width) mm		-		As per GA drawing		
Bearings (roller/b	all/angular contact)	Ball /Ball	Cable size and type(Aluminium)	1R X 3C X 4 SQ MM		
Bearing size DE/	NDE	6004 2Z C3 / 6004 2Z C3	Earthing provision (one terminal in TB)		Yes	
Type of lubrication		LITHIUM SOAP BASE GREASE	No of phases/Winding connection/number of terminals	3 / STAR / 6		
Accessories		I				
	rs simplex (w/o controller)		Arrow plate for direction of rotation			
	r per bearing (w/o controller)		Double compression glands (main cable)			
Space heaters - single phase 50z, 230V Thermisters - PTC, 1 number per phase			Double compression glands (Space heater/thermisters/RTDs)			
Additional T-Box for Accessories Additional nameplate			Brake (Type/voltage/torque)			
Notes:		<u> </u>	1	l		
	e values are subject to IS/IEC 6	50034-1 tolerances, unless otherwise s	specified.			
		ted frequency condition and for DOL				
	load GD ² assumed wherever no					
5)Kilowatt rating	is mandatory and HP is approx	provision of heavy duty relays is man ximate.	datory.			
6) Accessories pro	ovided are marked as "YES"					
				D		
				Prepared by	,	
				Approved b Revison	,y	

Project:		Contractor/Client		Date:	
Consultant		Package		Date.	