Aanufacturer							
Some of motor	Bharat Bijlee Ltd.		Customer				
Type of motor 3 Phase Induction Motor			BBL Enquiry reference No				
Quantity	CUSTON		Customer P.O.Number				
Application	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.	22	,		20
ag no. BL type tef.			Output kW / pole Frame size	22	/ 1801		2P
nstallation detai	ils		Applicable standards (latest edition)		1001	1	
Area classification	n (Safe / Hazardous)	Industrial safe area	Performance: IS/IEC 60034-1 Maintenance IS:900				
Location: indoor/outdoor/deck Altitude (meters)		Indoor 1000 or less	Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075				
(Noise level: IS 12065				
Hazardous area	details		Supply conditions and permissible variations (grid	l supply)			
	n GAS (Zone 1/Zone 2)	N.A.	Number of phases	Three			
Gas group		N.A.	Voltage (Volts) and permisible variation	415 ±10%			
Temp.class Type of Explosion protection (FLP/Type		N.A. N.A.	Frequency (Hz) and permissible variation Combined variation (absolute sum)	50	±109	±5%	
e'/Type 'n') Approving authority for hazardous area		Not Applicable				-	
Electrical param	-	Not Appleable					
starting perform			1	1			
Aethod of startin	8	DOL CUSTONIED TO FURNISH	Starting current (%FLC)		650		
Load speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)		240		
Aotor GD ² (kgm ²	~) 	0.325	Pull out torque (%FLT)	10	270		20
Load GD ² (kgm ²)	ed curve	CUSTOMER TO FURNISH Parabolic TS curve	Locked rotor withstand time (hot/cold) (sec) Number of consecutive starts (hot/cold) (nos.)	10	/ 2/3		20
Starting time at rated voltage (sec)		PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2	2,3			
Running Perform	<u> </u>	DETAILS					
Efficiency class		IE2	Duty and designation	Continuous (S1))	
Ambient temp./temp.rise by resistance (deg.C) Enclosure		50 / 70 TEFC (TOTALLY ENCLOSED	CDF/Equivalent starts per hour/FI Insulation class / utilisation class on DOL	- F/B			
		FAN COOLED)					
Full load current (FLC) amps.		38.5 2940	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage			
Full load speed (r Full load torque (7.29	Rotor voltage/rotor current (RV/RA) (Volts/Amps) Stator/rotor time constant (min)	Not applicable 108/146			
	t FL/0.75FL/0.5FL	91.3 91.3 90.0	Power factor at FL/0.75FL/0.5FL	0.87	0.84		0.78
Aechanical para	ameters						-
Mounting		B5 Sincle redireduised	Mounting dimensions	Re	fer GA c		ıg
Shaft extention Degree of protection		Single cylindrical IP 55	Direction of rotation viewed from DE Suitable for bidirectional rotation	Clockwise Yes			
Method of cooling (TEFC/forced cooled/TESC)		TEFC (IC 411)	Paint type		Acryl	IC	
Net weight of mo	tor (kgs.)	171	Paint shade		RAL 5	000	
			Earthing provision (two terminals on stator body)		Yes		
Bearings	/flawible/Datt 9		Terminal box				
Coupling (Direct/ Pulley/Gearbox)	nexible/Belt &	Direct	Terminal box location when viewed from DE	As	As per GA drawing		
Dimensions of pulley (OD x width) mm		-	Direction of cable entry	As per GA drawing			ng
Bearings (roller/ball/angular contact)		Ball /Ball	Cable size and type(Aluminium)	2R x 3C x 16 Sqmn			
Bearing size DE/	NDE	6310 2Z C3 / 6210 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 / DELTA / 6			
ccessories		·		·			
	rs 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)				
Thermisters - PTC , 1 number per phase Additional T-Box for Accessories			Brake (Type/voltage/torque)				
Additional namer							
Notes:)All performance	e values are subject to IS/IEC 6	50034-1 tolerances, unless otherwise s ated frequency condition and for DOL of mentioned.					
	time is more than 10 seconds	provision of heavy duty relays is mand ximate.	datory.				

	Revison			
Project:	Contractor/Client	т	Date:	
Consultant	Package	L	Date.	