	Bijlee	Data sheet	jor motors			
Manufacturer	Bharat Bijlee Ltd.		Customer			
Type of motor	3 Phase Induction Motor		BBL Enquiry reference No			
Quantity			Customer P.O.Number			
Application	CUSTOMI	ER TO FURNISH	W.O. No. / SAP No.			
Гag no.			Output kW / pole	2.2	/	4P
BBL type tef. Installation deta	ils		Frame size Applicable standards (latest edition)		100L	
Area classification (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 Noise level: IS 12065			
Hazardous area	details on GAS (Zone 1/Zone 2)	NY A	Supply conditions and permissible variations (grid	t supply)	These	
area classificatio Gas group	on GAS (Zone 1/Zone 2)	N.A. N.A.	Number of phases Voltage (Volts) and permisible variation	415	Three	±10%
Femp.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						
Starting perform		DOI			200	
Method of startin		DOL CUSTOMER TO EURNISH	Starting current (%FLC)		600	
Load speed (rpm	,	CUSTOMER TO FURNISH	Starting torque (%FLT)		260 300	
Motor GD ² (kgm	/	0.0211	Pull out torque (%FLT)		, 300	<u> </u>
Load GD ² (kgm ²)		CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
Load torque-spee	ed curve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2		2/3	
0	ated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	nance	100	~			(01)
Efficiency class	· 1 · · · (1 · O)	IE2	Duty and designation	C	ontinuou	s (S1)
Ambient temp./temp.rise by resistance (deg.C) Enclosure		50 / 70 TEFC (TOTALLY ENCLOSED FAN COOLED)	CDF/Equivalent starts per hour/FI Insulation class / utilisation class on DOL	- F/B		
Full load current	(FI C) amps	4.37	Rotor type (Squirrel Cage/ Slip ring)		Squirrel (age
Full load torque (FLT) kg-m		1425	Rotor voltage/rotor current (RV/RA) (Volts/Amps) Stator/rotor time constant (min)	Not applicable		
Efficiency in % at FL/0.75FL/0.5FL		84.3 84.3 82.5	Power factor at FL/0.75FL/0.5FL	0.83	0.74	0.60
Mechanical para	ameters	DQ		D.	for CA 1	
Mounting Shaft extention		B8 Single cylindrical	Mounting dimensions Direction of rotation viewed from DE	Re	fer GA d Clockw	U
Degree of protect	tion	IP 55	Suitable for bidirectional rotation	Yes		150
Method of cooling (TEFC/forced cooled/TESC)		TEFC (IC 411)	Paint type	Acrylic		
T- ((l)	24		-		000
Net weight of motor (kgs.)		24	Paint shade Earthing provision (two terminals on stator body)	RAL 5000 Yes		
Bearings	(m. 11.1. m. 1. 0.		Terminal box	1		
Coupling (Direct/ Pulley/Gearbox)	/flexible/Belt &	Direct	Terminal box location when viewed from DE	As per GA drawing		lrawing
	oulley (OD x width) mm	-	Direction of cable entry	As per GA drawing		Irawing
÷	ball/angular contact)	Ball /Ball	Cable size and type(Aluminium)	1R X 3C X 10 SQ MM		Q MM C
5	<u> </u>			2R X 3C X 10 SQ MM		
Bearing size DE/		6206 2Z C3 / 6205 2Z C3 LITHIUM SOAP BASE GREASE	Earthing provision (one terminal in TB) No of phases/Winding connection/number of	Yes 3 / DELTA / 6		
Accessories	011	LITHUM SUAF DASE UKEASE	terminals			4/0
	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			Double compression glands (Space heater/thermisters/RTDs)			
Thermisters - PTC , 1 number per phase Additional T-Box for Accessories			Brake (Type/voltage/torque)			
Additional T-Box Additional name						
Notes:	e values are subject to IS/IEC ϵ	50034-1 tolerances, unless otherwise s ted frequency condition and for DOL		<u>.</u>		

Project:	Contractor/Client		Date:	
Consultant	Package		Date.	