		Data sheet	<b>J</b>			
Manufacturer	Bharat Bijlee Ltd.		Customer			
ManufacturerBharat Bylee Ltd.Type of motor3 Phase Induction Motor			BBL Enquiry reference No			
Quantity			Customer P.O.Number			
Application	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.			
Fag no.	CONTIN	A TO FORMSH	Output kW / pole	7.5	1	8P
BBL type tef.			Frame size	1.5	/ 160L	
Installation deta	nils		Applicable standards (latest edition)		100L	
instantation acta			Apprecisie sumarus (mest cumon)			
Area classification	on (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			
innude (meters)	)	1000 01 1235	Noise level: IS 12065			
Hazardous area	details		Supply conditions and permissible variations (grid	(sunnly)		
	on GAS (Zone 1/Zone 2)	N.A.	Number of phases	(supply)	Three	
Gas group		N.A.	Voltage (Volts) and permisible variation	415		:10%
Temp.class		N.A.	Frequency (Hz) and permissible variation	50 ±5%		
1	on protection (FLP/Type	14.74.	requency (112) and permissible variation	30 1370		1.5 /0
e'/Type 'n')	on protection (FLP/Type	N.A.	Combined variation (absolute sum)		±10%	
c/Type II)						
Approving autho	prity for hazardous area	Not Applicable				
Electrical paran						
Starting perform		DOI	Ota this a surgery (0/ FT C)		440	
Method of startin	0	DOL CUSTOMED TO EUDNIGH	Starting current (%FLC)		440	
Load speed (rpm	,	CUSTOMER TO FURNISH	Starting torque (%FLT)	180		
Motor GD <sup>2</sup> (kgm	/	0.376	Pull out torque (%FLT)		230	
Load GD <sup>2</sup> (kgm <sup>2</sup> )	)	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	30	/	60
_		Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.)		2/3	
Load torque-spec	ea curve	Farabolic 15 curve	provided Load GD2 = Motor GD2		2/3	
Neuratine of		PLEASE FURNISH ALL ABOVE				
starting time at r	rated voltage (sec)	DETAILS				
Running Perform	mance		ł			
Efficiency class		IE2	Duty and designation	Cor	ntinuous	(S1)
	emp.rise by resistance (deg.C)	50 / 70	CDF/Equivalent starts per hour/FI		-	, ,
	1	TEFC (TOTALLY ENCLOSED	· · ·			
Enclosure		FAN COOLED)	Insulation class / utilisation class on DOL		F/B	
Full load current (FLC) amps.		16.3	Rotor type (Squirrel Cage/ Slip ring )	Squirrel Cage		Cage
Full load speed (rpm)		715	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		<u> </u>
Full load torque (FLT) kg-m		10.2	Stator/rotor time constant (min)	90/122		
	at FL/0.75FL/0.5FL	85.3 85.3 84.0	Power factor at FL/0.75FL/0.5FL	0.75	0.70	0.58
Mechanical par		85.5 85.5 84.0	Tower factor at TE/0.75TE/0.5TE	0.75	0.70	0.50
Mounting	umeters	B8	Mounting dimensions	Refe	er GA dı	awing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE		Clockwi	<u> </u>
Degree of protect	tion	IP 55	Suitable for bidirectional rotation		Yes	150
Degree of protec	uon	II 55			105	
Method of coolin	ng (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type		Acrylic	2
Not maight of m		119	Define the de	RAL 5000		00
Net weight of mo	blor (kgs.)	119	Paint shade			00
			Earthing provision (two terminals on stator body)		Yes	
Bearings	10 H A 70 A 0		Terminal box			
Coupling (Direct	t/flexible/Belt &	Direct	Terminal box location when viewed from DE	As per GA drawing		rawing
Pulley/Gearbox)	11 (OD 111)			-		
Jimenssions of p	pulley (OD x width) mm	-	Direction of cable entry	As per GA drawing		rawing
Bearings (roller/	ball/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 10 SQ MI		
e .	<u> </u>					
Bearing size DE/	NDE	6309 2Z C3 / 6209 2Z C3	Earthing provision (one terminal in TB)		Yes	
Гуре of lubricati	on	LITHIUM SOAP BASE GREASE	No of phases/Winding connection/number of	3	/ DELT.	A/6
			terminals	5		
Accessories						
	ers simplex (w/o controller)		Arrow plate for direction of rotation			
BTDs - 1 numbe	er per bearing (w/o controller)		Double compression glands (main cable)			
Space heaters - s	ingle phase 50z 230V		Double compression glands (Space			
Space heaters - single phase 50z, 230V			heater/thermisters/RTDs)			
Thermisters - PTC, 1 number per phase			Brake (Type/voltage/torque)			
Additional T-Box for Accessories						
Additional name	plate					
Notes:						
)All performance	ce values are subject to IS/IEC 6	0034-1 tolerances, unless otherwise s	specified.			
		ted frequency condition and for DOL				
	Load GD <sup>2</sup> assumed wherever no					
		provision of heavy duty relays is man	datory.			
	g is mandatory and HP is approx		······			
	rovided are marked as "YES"					
J Accessories pi	TOVIDED ALE MALKED AS TES					
				Prepared b	у	
				Prepared b Approved l		

Project:	Contractor/Client		Date:	
Consultant	Package		Date.	