-	Bijlee					
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.			
Tag no.			Output kW / pole	30	2001	2P
BBL type tef. Installation deta	nils		Frame size Applicable standards (latest edition)		2001	-
	on (Safe / Hazardous)	Industrial safe area	Performance: IS/IEC 60034-1 Maintenance IS:900			
Location: indoor/outdoor/deck Altitude (meters)		Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
		1000 or less	Vibrations: IS 12075			
	7 . 17		Noise level: IS 12065			
Hazardous area		N.A.	Supply conditions and permissible variations (grid	l supply)	Thre	
Area classification GAS (Zone 1/Zone 2)		N.A.	Number of phases Voltage (Volts) and permisible variation	415 ±10%		
Gas group Temp.class		N.A.	Frequency (Hz) and permissible variation	50 ±5%		
Type of Explosion protection (FLP/Type		N.A.	Combined variation (absolute sum)	50	±109	
'e'/Type 'n')						
	prity for hazardous area	Not Applicable				
Electrical paran Starting perforn						
Method of startir		DOL	Starting current (%FLC)		650	
Load speed (rpm	0	CUSTOMER TO FURNISH	Starting torque (%FLT)	260		
Motor GD ² (kgm		0.524	Pull out torque (%FLT)	300		
Load GD ² (kgm ²)	/	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	12	/	24
Load torque-spee	, ,	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.)		2/3	
		PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2			
0	rated voltage (sec)	DETAILS				
Running Perform	mance	IFO	Desta en di designa di	~		. (01)
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.		51.6	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		
Full load speed (rpm) Full load torque (FLT) kg-m		2950 9.91	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable 144/194		
	(FLT) kg-m at FL/0.75FL/0.5FL	9.91	Stator/rotor time constant (min) Power factor at FL/0.75FL/0.5FL	0.88	0.86	94 0.8
Mechanical part						
Mounting		B3	Mounting dimensions	Re	fer GA	
Shaft extention	4°	Single cylindrical	Direction of rotation viewed from DE		Clockv	
Degree of protect	tion	IP 55	Suitable for bidirectional rotation		Yes	
Method of cooling (TEFC/forced cooled/TESC)		TEFC (IC 411)	Paint type	Acrylic		
Net weight of mo	otor (kgs.)	259	Paint shade		RAL 5	000
0	x 6**/		Earthing provision (two terminals on stator body)		Yes	
Bearings Coupling (Direct	/flavibla/Balt &		Terminal box			
Coupling (Direct Pulley/Gearbox)		Direct	Terminal box location when viewed from DE	As per GA drawing		
Dimenssions of pulley (OD x width) mm		-	Direction of cable entry	As per GA drawing		
Bearings (roller/t	ball/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C x 50 SQ MM		
Bearing size DE/	/NDE	6312 2Z C3 / 6212 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		
Accessories		1		. <u> </u>		
	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 heater/thermisters/RTDs)			
Thermisters - PTC , 1 number per phase			Brake (Type/voltage/torque)			
Additional T-Boy Additional name	x for Accessories plate					
Notes:	~					
		0034-1 tolerances, unless otherwise s				
	-	ted frequency condition and for DOL	starting condition.			
	Load GD ² assumed wherever no					
, 0		provision of heavy duty relays is man	datory.			
	g is mandatory and HP is approx	ximate.				
Accessories pi	rovided are marked as "YES"					
				Duore		
				Prepared		
				Approved	øу	
				Revison		

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