Manufacturer	Bharat Bijlee Ltd.		Customer			
Гуре 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.			
Гag no.			Output kW / pole	37	/	4P
BBL type tef. Installation deta	uils		Frame size Applicable standards (latest edition)		2258	
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			Supply conditions and permissible variations (grid	d supply)		
Area classification GAS (Zone 1/Zone 2)		N.A.	Number of phases		Three	÷
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 autho	prity for hazardous area	Not Applicable				
Electrical paran			·	•		
Starting perforn						
Method of startir		DOL	Starting current (%FLC)		600	
Load speed (rpm	·	CUSTOMER TO FURNISH	Starting torque (%FLT)		230	
Motor GD <sup>2</sup> (kgm	/	1.41	Pull out torque (%FLT)		240	
Load GD <sup>2</sup> (kgm <sup>2</sup> )	)	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 r	rated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	mance					
Efficiency class		IE2	Duty and designation	Co	ontinuous	s (S1)
Ambient temp./temp.rise by resistance (deg.C)		50 / 70	CDF/Equivalent starts per hour/FI	-		
Enclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL		F/B	
Full load current (FLC) amps.		65.3	Rotor type (Squirrel Cage/ Slip ring )	Squirrel Cage		<u> </u>
Full load speed (rpm)		1470	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
Full load torque		24.5	Stator/rotor time constant (min)	0.51	108/14	
	at FL/0.75FL/0.5FL	92.7 92.7 91.0	Power factor at FL/0.75FL/0.5FL	0.85	0.82	0.7
<i>Mechanical pare</i> Mounting	umeters	B3	Mounting dimensions	D	fer GA d	rowie~
Shaft extention		B3 Single cylindrical	Mounting dimensions Direction of rotation viewed from DE	Ke		U
Degree of protection		IP 55	Suitable for bidirectional rotation	Clockwise Yes		
0 1						
Method of cooling (TEFC/forced cooled/TESC)		TEFC (IC 411)	Paint type	Acrylic		с
Net weight of mo	otor (kgs.)	330	Paint shade		RAL 50	00
-			Earthing provision (two terminals on stator body)		Yes	
Bearings			Terminal box	,		
Coupling (Direct	/flexible/Belt &	Direct	Terminal box location when viewed from DE	As per GA drawing		
Pulley/Gearbox)						
Dimenssions of pulley (OD x width) mm		-	Direction of cable entry	As per GA drawing		Irawing
Bearings (roller/ł	ball/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C x 50 SQ M		SQ MM
Bearing size DE/	/NDF	6313 C3 / 6213 C3			Yes	
v			Earthing provision (one terminal in TB) No of phases/Winding connection/number of	3 / DELTA / 6		
Type of lubrication	on	SKF LGMT3- GREASE	terminals			
Accessories		r				
	ers simplex (w/o controller)		Arrow plate for direction of rotation			
BTDs - 1 number 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			Brake (Type/voltage/torque)			
Additional T-Box for Accessories						
Additional name	piate	<u> </u>				
		50034-1 tolerances, unless otherwise s ated frequency condition and for DOL				
	Load GD <sup>2</sup> assumed wherever no		starting condition.			
<ul><li>4)Where starting</li><li>5)Kilowatt rating</li></ul>	g time is more than 10 seconds, g is mandatory and HP is approx	provision of heavy duty relays is man	datory.			
<li>b) Accessories pi</li>	rovided are marked as "YES"					
				Prepared I		
				Prepared I Approved Revison		

Project:	Contractor/Client	Da	Date:	
Consultant	Package	Da	ale.	