Manufacturer	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.	75	,	20
Tag no. BBL type tef.			Output kW / pole Frame size	7.5	132	2P
Installation deta	tils		Applicable standards (latest edition)		152	5
Area classificatio	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			
<b>TY 1</b>	1	L	Noise level: IS 12065			
Hazardous area details		N.A.	Supply conditions and permissible variations (grid Number of phases	l supply)	Thre	
Area classification GAS (Zone 1/Zone 2) Gas group		N.A.	Voltage (Volts) and permisible variation	415 ±10%		
Gas group Temp.class		N.A.	Frequency (Hz) and permissible variation			±5%
Type of Explosion protection (FLP/Type 'e'/Type 'n')		N.A.	Combined variation (absolute sum)	±10%		
	rity for hazardous area	Not Applicable				
Electrical param	neters					
Starting perform						
Method of startin	9	DOL	Starting current (%FLC)		650	
Load speed (rpm		CUSTOMER TO FURNISH	Starting torque (%FLT)	250		
Motor GD <sup>2</sup> (kgm	,	0.08	Pull out torque (%FLT)		300	
Load GD <sup>2</sup> (kgm <sup>2</sup> )	)	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	8	/	16
Load torque-speed 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	mance	що		C		(61)
Efficiency class		IE2 50 / 70	Duty and designation CDF/Equivalent starts per hour/FI	Continuous (S1)		
Ambient temp./temp.rise by resistance (deg.C) Enclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
Full load current (FLC) amps.		13.3	Rotor type (Squirrel Cage/ Slip ring )	Squirrel Cage		
Full load speed (1		2935	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
Full load torque (	(FLT) kg-m	2.49	Stator/rotor time constant (min)		72/9	
Efficiency in % a Mechanical para	at FL/0.75FL/0.5FL	88.1 87.7 86.0	Power factor at FL/0.75FL/0.5FL	0.89	0.86	0.8
Mounting		B8	Mounting dimensions	Ret	fer GA d	0
Shaft extention		Single cylindrical	Direction of rotation viewed from DE		Clockv	
Degree of protect	tion	IP 55	Suitable for bidirectional rotation		Yes	8
Method of coolin	g (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type	Acrylic		ic
Net weight of motor (kgs.)		59	Paint shade	RAL 5000		
Bearings	(-8*)		Earthing provision (two terminals on stator body) Terminal box		Yes	
Coupling (Direct/	/flexible/Belt &	Direct		Δ	nor C A	drawine
Pulley/Gearbox)		Direct	Terminal box location when viewed from DE	As per GA drawing		
Dimenssions of p	oulley (OD x width) mm	-	Direction of cable entry	As per GA drawing		drawing
Bearings (roller/ball/angular contact)		Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 10 SQ MM		
Bearing size DE/	NDE		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 RTDs - 3 number	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 name						
Notes: 1)All performanc	alues are at rated voltage and ra	50034-1 tolerances, unless otherwise s ated frequency condition and for DOL ot mentioned.				

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