Manufacturer	Bharat Bijlee Ltd.		Customer			
Type of motor 3 Phase Induction Motor			BBL Enquiry reference No			
Quantity	CUSTON		Customer P.O.Number			
Application	CUSTOME	ER TO FURNISH	W.O. No. / SAP No.	0.75	1	40
Tag no. BBL type tef.			Output kW / pole Frame size	0.75	/ 80	4P
Installation detail	ls		Applicable standards (latest edition)		00	
Area classification	n (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			
** /	1 / 1		Noise level: IS 12065			
Hazardous area details Area classification GAS (Zone 1/Zone 2)		N.A.	Supply conditions and permissible variations (grid 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%		
	ity for hazardous area	Not Applicable				
Electrical parame	eters					
Starting performa						
Method of starting		DOL	Starting current (%FLC)	500		-
Load speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)	280		
Motor GD <sup>2</sup> (kgm <sup>2</sup>	)	0.0073	Pull out torque (%FLT)		300	
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 ra	8.,	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	nance	IF 2		C.		(01)
Efficiency class Ambient temp./temp.rise by resistance (deg.C)		IE2 50 / 70	Duty and designation CDF/Equivalent starts per hour/FI	Continuous (S1)		
Enclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
Full load current (FLC) amps.		1.7	Rotor type (Squirrel Cage/ Slip ring )	Squirrel Cage		
Full load speed (rpm)		1410	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
Full load torque (H	FLT) kg-m	0.52	Stator/rotor time constant (min)		90/12	2
Efficiency in % at Mechanical para	FL/0.75FL/0.5FL meters	79.6 79.6 76.0	Power factor at FL/0.75FL/0.5FL	0.77	0.67	0.55
Mounting		B5	Mounting dimensions	Refe	er GA d	rawing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE		Clockw	
Degree of protecti	on	IP 55	Suitable for bidirectional rotation		Yes	
Method of cooling	g (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type	Acrylic		
-		. ,				
Net weight of mot	tor (kgs.)	11	Paint shade		RAL 50	000
Bearings			Earthing provision (two terminals on stator body) Terminal box		Yes	
Coupling (Direct/f	flexible/Belt &	Direct	Terminal box location when viewed from DE	As per GA drawing		
Pulley/Gearbox)	ulloy (OD y width)					
onnenssions of pt	ulley (OD x width) mm	-	Direction of cable entry	As per GA drawing		
Bearings (roller/ba	all/angular contact)	Ball /Ball	Cable size and type(Aluminium)	1R X 3C X 4 SQ MM		SQ MM
Bearing size DE/N	NDE	6004 2Z C3 / 6004 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 / STAR / 6		
Accessories						
	s simplex (w/o controller)		Arrow plate for direction of rotation			
	per bearing (w/o controller)		Double compression glands (main cable) Double compression glands (Space			
Space heaters - single phase 50z, 230V Thermisters - PTC, 1 number per phase			heater/thermisters/RTDs) Brake (Type/voltage/torque)			
Additional T-Box for Accessories Additional nameplate			State (1 ypo volago loique)			
Notes:			1			
		0034-1 tolerances, unless otherwise s				
	-	ted frequency condition and for DOL	starting condition.			
	oad GD <sup>2</sup> assumed wherever no					
5)Kilowatt rating	is mandatory and HP is approx	provision of heavy duty relays is man kimate.	datory.			
<ol><li>Accessories pro</li></ol>	ovided are marked as "YES"					
				D C		
				Prepared b		
				Approved	nv	
				Revison	0y	

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