Manufacturer Type of motor	Bijlee	Data sheet	. .			
*1	Bharat Bijlee Ltd.		Customer			
	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	180	/	4P
BBL type tef. Installation deta	tils		Frame size Applicable standards (latest edition)		315I	
Area classificatio	on (Safe / Hazardous)	Industrial safe area	Performance: IS/IEC 60034-1 Maintenance IS:900			
Location: indoor/		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)		
	on GAS (Zone 1/Zone 2)	N.A.	Number of phases		Thre	
Gas group Temp.class		N.A. N.A.	Voltage (Volts) and permisible variation	415 50		±10%
	on protection (FLP/Type	N.A. N.A.	Frequency (Hz) and permissible variation Combined variation (absolute sum)	±10%		±5% %
	rity for hazardous area	Not Applicable				
Electrical param						
starting perform		Dor		1		
Method of startin		DOL CUSTOMED TO ELENISH	Starting current (%FLC)		650	
Load speed (rpm	,	CUSTOMER TO FURNISH	Starting torque (%FLT)		250	
Motor GD ² (kgm	/	15.6	Pull out torque (%FLT)		300	
Load GD ² (kgm ²))	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
Load torque-spee	ed curve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2		2/3	3
U U	rated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	mance	IEO	D (11) (C		- (61)
Efficiency class	····· ··· · · · · · · · · · · · · · ·	IE2 50 / 70	Duty and designation	C	ontinuou	s (S1)
Enclosure	emp.rise by resistance (deg.C)	50 / 70 TEFC (TOTALLY ENCLOSED FAN COOLED)	CDF/Equivalent starts per hour/FI Insulation class / utilisation class on DOL	- F/B		
Full load current	(FLC) amps	307	Rotor type (Squirrel Cage/ Slip ring)		Squirrel	Cage
Full load speed (1		1487	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Squirrel Cage Not applicable		0
Full load torque (118 95.0 94.7 93.2	Stator/rotor time constant (min) Power factor at FL/0.75FL/0.5FL	0.86	144/19 0.83	
Mechanical para	ameters			T.		
Mounting		B5	Mounting dimensions	Re	efer GA d	0
Shaft extention		Single cylindrical	Direction of rotation viewed from DE		Clockw	
Degree of protect Method of coolin	ng (TEFC/forced cooled/TESC)	IP 55 TEFC (IC 411)	Suitable for bidirectional rotation Paint type	Yes		
Not waisht of me	aton (Iraa)	1225		RAL 5000		000
Net weight of mo	Stor (kgs.)	1225	Paint shade		Yes	
Bearings			Earthing provision (two terminals on stator body) Terminal box		105	
bourings	/flexible/Belt &					
Counling (Direct	nexible/ben &	Direct	Terminal box location when viewed from DE	As	per GA	drawing
		-	Direction of cable entry	As per GA drawing		drawing
Pulley/Gearbox)	oulley (OD x width) mm			2R X 3C X 240 SQ M		č
	bulley (OD x width) mm ball/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X	-	0 SQ MN
Pulley/Gearbox) Dimenssions of p	ball/angular contact)	Ball /Ball 6319 C3 / 6319 C3	Cable size and type(Aluminium) Earthing provision (one terminal in TB)	2R X	-	-
Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication	ball/angular contact)				3C X 24	
Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories	ball/angular contact) NDE on	6319 C3 / 6319 C3	Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals		3C X 24 Yes	
Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number	ball/angular contact) NDE on rs simplex (w/o controller)	6319 C3 / 6319 C3	Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation		3C X 24 Yes	
Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number BTDs - 1 number	ball/angular contact) NDE on	6319 C3 / 6319 C3	Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space		3C X 24 Yes	
Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubricatie Accessories RTDs - 3 number BTDs - 1 number Space heaters - s Thermisters - PT	ball/angular contact) NDE on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V C , 1 number per phase	6319 C3 / 6319 C3	Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable)		3C X 24 Yes	
Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubricatie Accessories RTDs - 3 number BTDs - 1 number Space heaters - s Thermisters - PT	ball/angular contact) NDE on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V 'C , 1 number per phase x for Accessories	6319 C3 / 6319 C3	Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs)		3C X 24 Yes	

Project:		Contractor/Client		Date:	
Consultant		Package		Date.	