Manufacturer Type of motor Quantity Application	Bharat Bijlee Ltd.					
Quantity	0		Customer			
~ <i>·</i>	3 Phase Induction Motor		BBL Enquiry reference No			
Annlication	CUSTOMER TO FURNISH		Customer P.O.Number			
**	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.	22 /	CD	
Tag no. BBL type tef.			Output kW / pole Frame size	2.2 /	6P M	
Installation deta	uls		Applicable standards (latest edition)	112		
Area classificatic	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			
	1.4.11.		Noise level: IS 12065	1		
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%		
Approving authority for hazardous area		Not Applicable				
Electrical param	neters					
Starting perform						
Method of startin	0	DOL CUSTOMED TO ELIDNICH	Starting current (%FLC)	550		
Load speed (rpm		CUSTOMER TO FURNISH 0.0609	Starting torque (%FLT)	210 250		
Motor GD^2 (kgm	/	0.0609 CUSTOMER TO FURNISH	Pull out torque (%FLT)	-	-	
Load GD ² (kgm ²)		Parabolic TS curve	Locked rotor withstand time (hot/cold) (sec) Number of consecutive starts (hot/cold) (nos.)	15 / 30 2/3		
Load torque-spee		PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2	27	5	
Starting time at r	rated voltage (sec) mance	DETAILS				
Efficiency class		IE2	Duty and designation	Continuous (S1)		
Ambient temp./te	emp.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		5	Rotor type (Squirrel Cage/ Slip ring)	Squirre	0	
Full load speed (1		955	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not app		
Full load torque (FLT) kg-m Efficiency in % at FL/0.75FL/0.5FL		2.24 81.8 81.8 79.8	Stator/rotor time constant (min) Power factor at FL/0.75FL/0.5FL	#N/A 0.75 0.65 0.56		
Mechanical para				0.00	0.00	
Mounting		B8	Mounting dimensions	Refer GA	0	
Shaft extention		Single cylindrical	Direction of rotation viewed from DE	Clockwise		
Degree of protection		IP 55	Suitable for bidirectional rotation	Yes		
		TEFC (IC 411)	Doint type		Acrylic	
Method of coolin	ng (TEFC/forced cooled/TESC)		Paint type	-		
Method of coolin		32	Paint shade	RAL	5000	
Method of coolin Net weight of mo			Paint shade Earthing provision (two terminals on stator body)	-	5000	
Method of coolin Net weight of mo	otor (kgs.)	32	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i>	RAL : Ye	5000 es	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox)	/flexible/Belt &	32 Direct	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i> Terminal box location when viewed from DE	RAL SYSTEM	5000 es drawing	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox)	otor (kgs.)	32	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i>	RAL SYSTEM	5000 es A drawing A drawing	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p	/flexible/Belt &	32 Direct - Ball /Ball	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i> Terminal box location when viewed from DE	RAL : Ye As per GA As per GA IR X 3C X 10 2R X 3C X	5000 es drawing drawing SQ MM OI 10 SQ MM	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p	/flexible/Belt & pulley (OD x width) mm ball/angular contact)	32 Direct Ball /Ball	Paint shade Earthing provision (two terminals on stator body) Terminal box Terminal box location when viewed from DE Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB)	As per GA As per GA IR X 3C X 10	5000 es drawing drawing SQ MM OI 10 SQ MM	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubricatio	/flexible/Belt & pulley (OD x width) mm ball/angular contact)	32 Direct Ball /Ball	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i> Terminal box location when viewed from DE Direction of cable entry Cable size and type(Aluminium)	RAL : Ye As per GA As per GA IR X 3C X 10 2R X 3C X	5000 es drawing SQ MM OI 10 SQ MM es	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Fype of lubrication Accessories	/flexible/Belt & pulley (OD x width) mm ball/angular contact) NDE on	32 Direct - Ball /Ball 6206 2Z C3 / 6205 2Z C3	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i> Terminal box location when viewed from DE Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals	RAL : Ye As per GA As per GA IR X 3C X 10 2R X 3C X Ye	5000 es drawing SQ MM OI 10 SQ MM es	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number	/flexible/Belt & /flexible/Belt & pulley (OD x width) mm ball/angular contact) NDE on rs simplex (w/o controller)	32 Direct - Ball /Ball 6206 2Z C3 / 6205 2Z C3	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i> Terminal box location when viewed from DE Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation	RAL : Ye As per GA As per GA IR X 3C X 10 2R X 3C X Ye	5000 es drawing SQ MM O 10 SQ MM es	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number BTDs - 1 number	/flexible/Belt & pulley (OD x width) mm ball/angular contact) NDE on	32 Direct - Ball /Ball 6206 2Z C3 / 6205 2Z C3	Paint shade Earthing provision (two terminals on stator body) Terminal box Terminal box location when viewed from DE Direction of cable entry Cable size and type(Aluminium) 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	RAL : Ye As per GA As per GA IR X 3C X 10 2R X 3C X Ye	5000 ss drawing sQ MM O 10 SQ MM ss	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number Space heaters - si	/flexible/Belt & /flexible/Belt & ball/angular contact) NDE on rs simplex (w/o controller) r per bearing (w/o controller)	32 Direct - Ball /Ball 6206 2Z C3 / 6205 2Z C3	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i> Terminal box location when viewed from DE Direction of cable entry Cable size and type(Aluminium) 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)	RAL : Ye As per GA As per GA IR X 3C X 10 2R X 3C X Ye	5000 es drawing SQ MM O 10 SQ MM es	
Method of coolin Net weight of mo Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number BTDs - 1 number Space heaters - s Thermisters - PT Additional T-Boy	/flexible/Belt & /flexible/Belt & pulley (OD x width) mm 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	32 Direct - Ball /Ball 6206 2Z C3 / 6205 2Z C3	Paint shade Earthing provision (two terminals on stator body) <i>Terminal box</i> Terminal box location when viewed from DE Direction of cable entry Cable size and type(Aluminium) 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)	RAL : Ye As per GA As per GA IR X 3C X 10 2R X 3C X Ye	5000 es drawing SQ MM OI 10 SQ MM es	
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Project:	Contractor/Client		Date:	
Consultant	Package			