Manufacturer Bharat Bijlee Ltd.			Customer			
Гуре of motor 3 Pl	hase Induction Motor		BBL Enquiry reference No			
Quantity			Customer P.O.Number			
Application	CUSTOME	ER TO FURNISH	W.O. No. / SAP No.			
lag no.			Output kW / pole	125	/	6P
BBL type tef.		2J31L6A3	Frame size		MJ315	
nstallation details			Applicable standards (latest edition)			
Area classification (S	afe / Hazardous)	Hazardous	Performance: IS/IEC 60034-1 Maintenance IS:900	FLP Moto	ors: IS/IEC 60	0079-1
ocation: indoor/outdoor/deck		Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
Altitude (meters)		1000 or less	Vibrations: IS 12075			
			Noise level: IS 12065			
Iazardous area deta			Supply conditions and permissible variations (grid	l supply		
rea classification G	AS (Zone 1/Zone 2)	ZONE I	Number of phases		Three	
las group		IIA, IIB	Voltage (Volts) and permisible variation	415	±10)%
emp.class		T4	Frequency (Hz) and permissible variation	50	±59	%
ype of Explosion pr //Type 'n')	otection (FLP/Type	Ex d	Combined variation (absolute sum)		±10%	
Approving authority for hazardous area		If Coal Mine application then DGMS else PESO				
Electrical parameter	°S					
tarting performanc						
Aethod of starting		DOL	Starting current (%FLC)		600	
oad speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)	230		
$\frac{\text{out speed (lpm)}}{\text{lotor GD}^2 (\text{kgm}^2)}$		18	Pull out torque (%FLT)	250		
$dot GD^2(kgm^2)$		CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
oad torque-speed cu	urve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.)	15	2/3	50
tarting time at rated		PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2			
		DETAILS				
Running Performance		IE A		Continuous (C1)		
Efficiency class		IE2	Duty and designation	Continuous (S1)		
Ambient temp./temp.	rise by resistance (deg.C)		CDF/Equivalent starts per hour/FI		-	
Inclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
full load current (FL	C) amps.	222	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		
full load speed (rpm)		990	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
ull load torque (FLT	C) kg-m	123	Stator/rotor time constant (min)		144/194	
fficiency in % at FL	/0.75FL/0.5FL	94.4 94.2 93.0	Power factor at FL/0.75FL/0.5FL	0.83	0.80	0.72
Iechanical paramet	ters					
Iounting		B3	Mounting dimensions	Re	efer GA drav	wing
haft extention		Single cylindrical	Direction of rotation viewed from DE	Clockwise		
Degree of protection		IP 55	Suitable for bidirectional rotation	Yes		
Iethod of cooling (T coled/TESC)	TEFC/forced	TEFC (IC 411)	Paint type	Acid Alkali Proof		
Net weight of motor (kgs.)		1295	Paint shade	632 as per IS 5		
0			Earthing provision (two terminals on stator body)	Yes		
Searings			Terminal box			
Coupling (Direct/flex Pulley/Gearbox)	tible/Belt &	Direct	Terminal box location when viewed from DE	As per GA drawing		
y ,	y (OD x width) mm		Direction of cable entry	As per GA drawing		
Bearings (roller/ball/a		Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 185 SQ MM		
earing size DE/NDI	E	6319 C3 / 6319 C3	Earthing provision (one terminal in TB)	Yes		
Type of lubrication		Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals	3 / DELTA / 6		
ccessories						
	mplex (w/o controller)		Arrow plate for direction of rotation			
	bearing (w/o controller)		Double compression glands (main cable)			
Space heaters - single phase 50z, 230V			Double compression glands (Space			
hermisters - PTC , 1			heater/thermisters/RTDs) Brake (Type/voltage/torque)			
Additional T-Box for	Accessories					
Additional nameplate						

Notes:

1)All performance values are subject to IS/IEC 60034-1 tolerances, unless otherwise specified.

2)Performance values are at rated voltage and rated frequency condition and for DOL starting condition.

3)Motor GD^2 = Load GD^2 assumed wherever not mentioned.

4)Where starting time is more than 10 seconds, provision of heavy duty relays is mandatory.

5)Kilowatt rating is mandatory and HP is approximate.

6) Accessories provided are marked as "YES"

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		Prepared by	
		Approved by	
		Revison	
Project:	Contractor/Client	Data	
Consultant	Package	Date:	