Manufacturer	Bharat Bijlee Ltd.		Customer			
Type of motor	<b>3 phase Induction Motor</b>		BBL Enquiry reference No			
Quantity	CUSTOME		Customer P.O.Number			
Application	CUSIONE	R TO FURNISH	W.O. No. / SAP No. Output kW / Pole	0.75	1	4P
lag no. PDL type Def		MD080435	Frame size	0.75	/ 	4 <b>r</b>
BBL type Ref. <i>nstallation detai</i>		IVID080455			<b>WIJOU</b>	
	on (Safe / Hazardous)	Hazardous area	Applicable standards (latest edition)Performance: IS/IEC 60034-1 Maintenance IS:900	FI D Mot	ors: IS/IEC 6	0070
		Indoor			DIS. 15/1EC 0	0079-
Location: indoor/			Dimensions: IS 1231/IS 2223/IS:8223			
Altitude (meters)		1000 or less	Vibrations: IS 12075			
Tanan daga ana a			Noise level: IS 12065			
Hazardous area			Supply conditions and permissible variations (grid	supply)	There a	
	on GAS (Zone 1/Zone 2)	ZONE I	Number of phases	A15	Three	0/
Gas group		IIA, IIB	Voltage (Volts) and permisible variation	415	±109	
Cemp.class	n protection	T6	Frequency (Hz) and permissible variation	50	±5%	0
$\frac{1}{1} \frac{1}{1} \frac{1}$	-	Ex 'd'	Combined variation (absolute sum)		±10%	
Approving authority for hazardous area		If Mine application then DGMS else PESO				
Electrical param	neters					
Starting perform	ance					
Method of startin	g	DOL	Starting current (%FLC)	450		
Load speed (rpm)	)	CUSTOMER TO FURNISH	Starting torque (%FLT)	280		
Motor $GD^2$ (kgm <sup>2</sup> )		0.0072	Pull out torque (%FLT)		300	
Load $GD^2$ (kgm <sup>2</sup>	•	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
	/		Number of consecutive starts (hot/cold) (nos.)		,	
.oad torque-spee		Parabolic TS curve	provided Load GD2 = Motor GD2		2/3	
Starting time at ra	ated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	nance			1		
Efficiency class		_	Duty and designation	Continuous (S1)		51)
Ambient temp./temp.rise by resistance (deg.C)		45 / 75	CDF/Equivalent starts per hour/FI	-		
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		e
Full load speed (rpm)		1405	Rotor voltage/rotor current (RV/RA) (Volts/Amps)			
Full load torque (FLT) kg-m		0.52	Stator/rotor time constant (min)	90/122		
<b>▲</b> `	t FL/0.75FL/0.5FL	77.0 76.0 72.0	Power factor at FL/0.75FL/0.5FL	0.78	0.70	0.58
Jechanical para						
Aounting		B5	Mounting dimensions	Re	efer GA draw	ving
Shaft extention		Single cylindrical	Direction of rotation viewed from DE	Clockwise		
Degree of protection		IP 55	Suitable for bidirectional rotation	Yes		
Method of coolin	g (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type	Acid Alkali Proof		oof
Net weight of motor (kg)		32	Paint shade	632 as per IS 5		5
		54	Earthing provision (two terminals on stator body)			
Bearings			<i>Terminal box</i>			
Coupling (Direct/	/flexible/Rolt &					
Pulley/Gearbox)		Direct	Terminal box location when viewed from DE	As	per GA drav	ving
•	oulley (OD x width) mm		Direction of cable entry			
200 PILISSIONS OF P		-	Direction of cable entry	As per GA drawing		
Bearings (roller/ball/angular contact)		Ball /Ball	Cable size and type(Aluminium)	1R X 3C X 4 SQ		MM
Bearing size DE/		6204 2Z C3/6204 2Z C3	Earthing provision (one terminal in TB)	Yes		
Type of lubrication	on	LITHIUM SOAP BASE GREASE	Eliver phase, which good connection/ number of		3 / STAR / 3	3
<i>ccessories</i>		Γ		I		
RTDs - 3 number	rs simplex(w/o controller)		Arrow plate for direction of rotation			
BTDs - 1 number	r per bearing(w/o controller)		Double compression glands (main cable)			
space heaters - si	ingle phase 50z, 230V		Double compression glands (Space heater/Thermisters/RTDs)			
Thermisters - PT	C		Brake (Type/voltage/torque)			
	c for Accessories		Diake (1 ype/ voltage/ loique)			
vuuuuullat t-b08	AUCSSUIES					
Additional name	alata					

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"

Prepared by	
Approved by	

			Revison	
<b>Project:</b>	Contractor/Client		Date:	
Consultant	Package			