Manufacturer	Bijlee	Data sheet	J ••• ••• •• •			
	Bharat Bijlee Ltd.		Customer			
Type of motor 3 Phase Induction Motor			BBL Enquiry reference No			
Quantity	CUCTON		Customer P.O.Number			
Application	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.	11	,	41
Tag no. BBL type tef.			Output kW / pole Frame size	11	/ 160N	4F
Installation deta	rils		Applicable standards (latest edition)		1001	
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			
Uazandous anoa	dotails		Noise level: IS 12065 Supply conditions and permissible variations (gria	(aunnha)		
Hazardous area details Area classification GAS (Zone 1/Zone 2)		N.A.	Number of phases	Three		e
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%	6
Approving autho	prity for hazardous area	Not Applicable				
Electrical paran	neters		I			
Starting perform						
Method of startin	0	DOL	Starting current (%FLC)		650	
Load speed (rpm		CUSTOMER TO FURNISH	Starting torque (%FLT)	240		
Motor GD ² (kgm	/	0.285	Pull out torque (%FLT)	~	270	
Load GD ² (kgm ²))	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	8	/	16
Load torque-speed curve		Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2	2/3		
5	rated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	mance	IE2	Duty and designation	Ca	ntinuou	c (§ 1)
Efficiency class	amp rise by resistance (deg C)	50 / 70	Duty and designation CDF/Equivalent starts per hour/FI	Continuous (S1)		
Ambient temp./temp.rise by resistance (deg.C) Enclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
Full load current (FLC) amps.		20.5	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		
Full load speed (1465	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
Full load torque	(FLT) kg-m	7.31	Stator/rotor time constant (min)		90/12	22
Efficiency in % a Mechanical part	at FL/0.75FL/0.5FL ameters	89.8 89.8 88.5	Power factor at FL/0.75FL/0.5FL	0.83	0.78	0.6
Mounting		B8	Mounting dimensions	Ref	er GA d	lrawing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE		Clockw	vise
Degree of protec	tion	IP 55	Suitable for bidirectional rotation		Yes	
Method of coolin	ng (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type	Acrylic		ic
Net weight of mo	otor (lage)	109	Paint shade		RAL 50	200
Net weight of mo	DIOT (Kgs.)	109	Earthing provision (two terminals on stator body)		Yes	
Bearings			Terminal box			
Coupling (Direct		Direct	Terminal box location when viewed from DE	Ast	her GA (trawing
Pulley/Gearbox)		Ditti		As per GA drawing		
Dimenssions of p	pulley (OD x width) mm	-	Direction of cable entry	As per GA drawing		
Bearings (roller/l	ball/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 10 SQ M		
Bearing size DE/	NDE	6309 2Z C3 / 6209 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 / DELTA / 6		
Accessories						
	ers simplex (w/o controller)		Arrow plate for direction of rotation			
	er per bearing (w/o controller)		Double compression glands (main cable) Double compression glands (Space			
Space heaters - single phase 50z, 230V			heater/thermisters/RTDs)			
Thermisters - PTC , 1 number per phase Additional T-Box for Accessories Additional namenlate			Brake (Type/voltage/torque)			
	r	<u> </u>	1	l		
Additional name		50034-1 tolerances unless otherwise s	pecified.			
Additional name Notes:	ce values are subject to IS/IEC 6					
Additional name Notes: 1)All performance 2)Performance v	alues are at rated voltage and ra	ated frequency condition and for DOL	starting condition.			
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Project:	Contractor/Client	т	Date:	
Consultant	Package	L	Date.	<u> </u>