Aanufacturer	lijlee	Data sheet	<i>J</i> ••• ••• •• •			
lanulacturer	Bharat Bijlee Ltd.		Customer			
Type of motor	3 Phase Induction Motor		BBL Enquiry reference No			
Quantity			Customer P.O.Number			
Application	CUSTOMI	ER TO FURNISH	W.O. No. / SAP No.			
lag no.			Output kW / pole	125	/	4P
BBL type tef.	ils		Frame size Applicable standards (latest edition)		315N	1
Area classification	n (Safe / Hazardous)	Industrial safe area	Performance: IS/IEC 60034-1 Maintenance IS:900			
location: indoor/	outdoor/deck	Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
Altitude (meters)		1000 or less	Vibrations: IS 12075 Noise level: IS 12065			
Hazardous area		1	Supply conditions and permissible variations (grid	l supply)		
	n GAS (Zone 1/Zone 2)	N.A.	Number of phases		Three	
Bas group		N.A. N.A.	Voltage (Volts) and permisible variation	415 50		±10%
	n protection (FLP/Type	N.A.	Frequency (Hz) and permissible variation Combined variation (absolute sum)	50	±10%	±5%
'e'/Type 'n') Approving authority for hazardous area		Not Applicable				
Electrical param	-					
starting perform						
Aethod of startin		DOL	Starting current (%FLC)		650	
load speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)		250	
Aotor GD <sup>2</sup> (kgm <sup>2</sup>	- -)	11.7	Pull out torque (%FLT)		300	
Load GD <sup>2</sup> (kgm <sup>2</sup> )		CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
load torque-spee	d curve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2		2/3	1
0	ated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perform	nance		1			
Efficiency class		IE2	Duty and designation	Continuous (S1)		s (S1)
Ambient temp./temp.rise by resistance (deg.C) Enclosure		50 / 70 TEFC (TOTALLY ENCLOSED	CDF/Equivalent starts per hour/FI Insulation class / utilisation class on DOL	- F/B		
will lood assessment	(ELC) among	FAN COOLED) 216	Potentume (Sovienal Case/Slinering)		Sauirral (	C
Full load current Full load speed (r		1486	Rotor type (Squirrel Cage/ Slip ring ) Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Squirrel Cage Not applicable		
Full load torque (		81.9	Stator/rotor time constant (min)	120/162		
	t FL/0.75FL/0.5FL	94.6 94.3 92.7	Power factor at FL/0.75FL/0.5FL	0.85	0.81	0.74
Aounting		B5	Mounting dimensions	Re	fer GA d	rawing
shaft extention		Single cylindrical	Direction of rotation viewed from DE		Clockw	vise
Degree of protection		IP 55 TEFC (IC 411)	Suitable for bidirectional rotation	Yes		
Method of cooling (TEFC/forced cooled/TESC)			Paint type	Acrylic		
Net weight of mo	tor (kgs.)	965	Paint shade	RAL 5000		
Bearings			Earthing provision (two terminals on stator body) Terminal box		Yes	
Coupling (Direct/	/flexible/Belt &					
Pulley/Gearbox)	nontrio Doit G	Direct	Terminal box location when viewed from DE	As per GA drawing		lrawing
	ulley (OD x width) mm	-	Direction of cable entry	As per GA drawing		
Bearings (roller/ball/angular contact)		Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 185 SQ M		5 SQ MI
Bearing size DE/I	NDE	6319 C3 / 6319 C3	Earthing provision (one terminal in TB)		Yes	
Type of lubrication	 Dn	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals	3 / DELTA / 6		A/6
ccessories						
	rs simplex (w/o controller)		Arrow plate for direction of rotation			
	r per bearing (w/o controller) ingle phase 50z, 230V		Double compression glands (main cable) Double compression glands (Space			
Thermisters - PTC, 1 number per phase			heater/thermisters/RTDs) Brake (Type/voltage/torque)			
Additional T-Box						
Additional namer		50034-1 tolerances, unless otherwise s				
Notes: )All performanc 2)Performance va		ated frequency condition and for DOL	starting condition.			

Project:		Contractor/Client		Date:	
Consultant		Package		Date.	