Manufacturer	lijlee	Data sheet	t for motors			
	Bharat Bijlee Ltd.		Customer			
Type of motor	3 Phase Induction Motor		BBL Enquiry reference No			
Quantity		I	Customer P.O.Number			
		ER TO FURNISH	W.O. No. / SAP No.			
Гag no.			Output kW / pole	55	/	2P
BBL type tef.	.,	L	Frame size		250M	
Installation detai	us		Applicable standards (latest edition)			
Area classification (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			Supply conditions and permissible variations (grid	d supply)		
Area classification GAS (Zone 1/Zone 2)		N.A.	Number of phases	Three		
Gas group		N.A. N.A.	Voltage (Volts) and permisible variation	415 ±10% 50 ±5%		
Femp.class	n protection (ELD/Type	N.A.	Frequency (Hz) and permissible variation	50	2	5%
e'/Type 'n')	n protection (FLP/Type	N.A.	Combined variation (absolute sum)		±10%	
Approving author	rity for hazardous area	Not Applicable				
Electrical param	eters	<u> </u>				
Starting perform	ance			· · · · · · · · · · · · · · · · · · ·	_	
Method of startin	0	DOL	Starting current (%FLC)		650	
Load speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)	230		
Motor GD ² (kgm ²	,	1.45	Pull out torque (%FLT)		270	
Load GD ² (kgm ²)		CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
Load torque-spee	ed curve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.)		2/3	
			provided Load GD2 = Motor GD2			
Starting time at ra	ated voltage (sec)	PLEASE FURNISH ALL ABOVE				
Running Perform	<u> </u>	DETAILS				
Efficiency class	nunce	IE2	Duty and designation	Cont	inuous	(\$1)
	emp.rise by resistance (deg.C)	50 / 70	CDF/Equivalent starts per hour/FI	Continuous (S1)		
	inpluse by resistance (deg.c)	TEFC (TOTALLY ENCLOSED	· · ·			
Enclosure		FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
Full load current (FLC) amps.		92.2	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		lage
Full load speed (rpm)		2970	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
Full load torque (18	Stator/rotor time constant (min)		108/14	
2	t FL/0.75FL/0.5FL	93.2 92.9 91.0	Power factor at FL/0.75FL/0.5FL	0.89 0	.87	0.81
Mechanical para	imeters	B3	Mounting dimonsions	D of-	GA dr	awina
Mounting Shaft extention		B3 Single cylindrical	Mounting dimensions Direction of rotation viewed from DE		GA dr lockwi	0
Degree of protecti	ion	IP 55	Suitable for bidirectional rotation		Yes	
° .						
Method of cooling (TEFC/forced cooled/TESC)		TEFC (IC 411)	Paint type	Acrylic		;
Net weight of mo	tor (kgs.)	487	Paint shade	RAL 5000		00
			Earthing provision (two terminals on stator body)		Yes	
Bearings		r	Terminal box	1		
Coupling (Direct/	'tlexible/Belt &	Direct	Terminal box location when viewed from DE	As per GA drawing		rawing
Pulley/Gearbox)	oulley (OD x width) mm	-	Direction of cable entry			
·	• • •			As per GA drawing		0
Bearings (roller/b	oall/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 120 SQ M		SQ MI
Bearing size DE/	NDE	6315 C3 / 6215 C3	Earthing provision (one terminal in TB)		Yes	
Ū.		SKF LGMT3- GREASE	No of phases/Winding connection/number of	3 / DELTA / 6		
Type of lubrication	л	SEL LOMIS- GREASE	terminals	3/	DELTA	1/0
Accessories						
	rs simplex (w/o controller)		Arrow plate for direction of rotation			
BIDs - 1 number	r per bearing (w/o controller)		Double compression glands (main cable)			
Space heaters - si	ingle phase 50z, 230V		Double compression glands (Space			
Chermisters - PT(C, 1 number per phase	<u> </u>	heater/thermisters/RTDs) Brake (Type/voltage/torque)			
Additional T-Box						
Additional namep						
Notes:						
· •	2	50034-1 tolerances, unless otherwise s	•			
	_	ted frequency condition and for DOL	starting condition.			
	load GD ² assumed wherever no					
A		provision of heavy duty relays is man	datory.			
	is mandatory and HP is approx	kimate.				
5)Kilowatt rating	ovided are marked as "YES"					
5)Kilowatt rating						
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)Kilowatt rating						
)Kilowatt rating				Prepared by		
5)Kilowatt rating				Prepared by Approved by		

Project:		Contractor/Client		Date:	
Consultant		Package		Date.	