Bharat B	alice	Data sheet			
Manufacturer	Bharat Bijlee Ltd.		Customer		
Type of motor	3 Phase Induction Motor		BBL Enquiry reference No		
Quantity			Customer P.O.Number		
Application	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.		
Гag no.			Output kW / pole	200 /	6P
BBL type tef.			Frame size	35	5L
nstallation detai	ils		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		
	7 . 17		Noise level: IS 12065		
Hazardous area details		N.A.	Supply conditions and permissible variations (grid	Three	
Area classification GAS (Zone 1/Zone 2) Gas group		N.A.	Number of phases Voltage (Volts) and permisible variation	415 ±10%	
Femp.class		N.A.	Frequency (Hz) and permissible variation	413 ±10%	
1	n protection (FLP/Type				
Type of Explosion protection (FLP/Type 'e'/Type 'n')		N.A.	Combined variation (absolute sum)	±10)%
Approving author	rity for hazardous area	Not Applicable			
Electrical param	eters				
Starting perform	ance				
Method of startin	0	DOL	Starting current (%FLC)	600	
Load speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)	200	
Motor GD ² (kgm ²	²)	28.7	Pull out torque (%FLT)	25	-
Load GD ² (kgm ²)		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.)	2/3	
Loud torque-spee			provided Load GD2 = Motor GD2	2/3	
Starting time at ra	ated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS			
Running Perforn	nance				
Efficiency class		IE2	Duty and designation	Continuous (S1)	
Ambient temp./te	mp.rise by resistance (deg.C)	50 / 70	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.		349	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage	
Full load current (FLC) amps. Full load speed (rpm)		990	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable	
Full load torque (FLT) kg-m		197	Stator/rotor time constant (min)	156/211	
	t FL/0.75FL/0.5FL	95.0 94.7 93.5	Power factor at FL/0.75FL/0.5FL	0.84 0.80	0.70
Mechanical para Mounting	unuters	В5	Mounting dimensions	Refer GA	drawing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE	Clock	U
Degree of protection		IP 55	Suitable for bidirectional rotation	Yes	
0		TEFC (IC 411)			
Method of cooling (TEFC/forced cooled/TESC)		1EFC (IC 411)	Paint type	Acrylic	
Net weight of mo	tor (kgs.)	1670	Paint shade	RAL	
Bearings			Earthing provision (two terminals on stator body) Terminal box	Y	es
0	/flexible/Belt &				
Coupling (Direct/flexible/Belt & Pulley/Gearbox)		Direct	Terminal box location when viewed from DE	As per GA drawing	
	ulley (OD x width) mm	-	Direction of cable entry	As per GA drawing	
·	• • • •	D-11/D-11	· · · ·	2R X 3C X 300 SQ MI	
bearings (roller/b	all/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2K X 3C X 3	SQ M
Bearing size DE/	NDE	6322 C3 / 6322 C3	Earthing provision (one terminal in TB)	Y	es
Type of lubrication		Unirex-N3 - GREASE	No of phases/Winding connection/number of	3 / DELTA / 6	
	-		terminals		
Accessories	a aimmlay (r/ 11		American state from the state of the state		
RTDs - 3 numbers simplex (w/o controller) BTDs - 1 number per bearing (w/o controller)			Arrow plate for direction of rotation		
	<u> </u>		Double compression glands (main cable) Double compression glands (Space		
Space heaters - si	ngle phase 50z, 230V		Double compression glands (Space heater/thermisters/RTDs)		
Thermisters - PTC, 1 number per phase			Brake (Type/voltage/torque)		
Additional T-Box			- (-)r		
Additional namep					
Notes:					
· •		50034-1 tolerances, unless otherwise s			
	_	ted frequency condition and for DOL	starting condition.		
	load GD ² assumed wherever no				
		provision of heavy duty relays is man	idatory.		
-	is mandatory and HP is approx	ximate.			
Accessories pro	ovided are marked as "YES"				
				Prepared by	
				Approved by	
				Revison	
		Contractor/Client		100 113011	

Project:		Contractor/Client		Date:	
Consultant		Package		Date.	