Manufacturer Type of motor	Bijlee	Data sheel	t for motors			
Expe of motor	Bharat Bijlee Ltd.		Customer			
- J F	3 Phase Induction Motor		BBL Enquiry reference No			
Quantity			Customer P.O.Number			
		ER TO FURNISH	W.O. No. / SAP No.			
Гag no.			Output kW / pole	75	/	6P
BBL type tef. Installation deta	ails		Frame size Applicable standards (latest edition)		3158	5
Area classificatio	on (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		NT A	Supply conditions and permissible variations (grid	d supply)	T1	_
Gas group	on GAS (Zone 1/Zone 2)	N.A. N.A.	Number of phases	415	Three	e ±10%
Femp.class		N.A.	Voltage (Volts) and permisible variation Frequency (Hz) and permissible variation	415 50		±5%
1	on protection (FLP/Type	N.A.	Combined variation (absolute sum)	±10%		
Approving authority for hazardous area		Not Applicable				
Electrical paran	neters	1	1	1		
Starting perform						
Method of startin	ng	DOL	Starting current (%FLC)		600	
Load speed (rpm	n)	CUSTOMER TO FURNISH	Starting torque (%FLT)		240	
Motor GD ² (kgn	n ²)	10.7	Pull out torque (%FLT)	250		
Load GD ² (kgm ²	,	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)			30
Load torque-speed curve		Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2	2/3		1
Starting time at 1	rated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Perfor	mance					
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		
		FAN COOLED)				-
Full load current	•	133	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		0
Full load speed (988 73.9	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable 108/146		
Full load torque Efficiency in % a Mechanical par	at FL/0.75FL/0.5FL	93.7 93.7 92.5	Stator/rotor time constant (min) Power factor at FL/0.75FL/0.5FL	0.84	0.82	0.75
Mounting	ameters	B3	Mounting dimensions	Ref	er GA d	rawing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE	Rei	Clockw	0
Degree of protec	tion	IP 55	Suitable for bidirectional rotation		Yes	
Method of cooling (TEFC/forced cooled/TESC)		TEFC (IC 411)	Paint type	Acrylic		с
Net weight of me	otor (kgs.)	830	Paint shade	RAL 5000		000
			Earthing provision (two terminals on stator body)		Yes	
Bearings			Terminal box			
1 0 1	t/flexible/Belt &	Direct	Terminal box location when viewed from DE	Ast	ber GA	Irawing
Pulley/Gearbox)				As per GA drawing		
	pulley (OD x width) mm ball/angular contact)	- Ball /Ball	Direction of cable entry Cable size and type(Aluminium)		per GA c 3C X 18	lrawing 5 SQ MN
e .	,			20.0.		-
Bearing size DE	/NDE	6319 C3 / 6319 C3	Earthing provision (one terminal in TB)		Yes	
Type of lubricati Accessories	ion	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals	3	/ DELT	A/6
	ers simplex (w/o controller)		Arrow plate for direction of rotation			
	er per bearing (w/o controller)		Double compression glands (main cable)			
RTDs - 3 numbe			Double compression glands (Space heater/thermisters/RTDs)	+		
RTDs - 3 numbe BTDs - 1 numbe	single phase 50z, 230V		incater/unerinisters/KTDS/			
RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT	TC , 1 number per phase x for Accessories		Brake (Type/voltage/torque)			
RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Bo Additional name	TC , 1 number per phase x for Accessories		-			
RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Bo Additional name Votes: 1)All performance	C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6	50034-1 tolerances, unless otherwise steed frequency condition and for DOL	Brake (Type/voltage/torque)			
RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Ihermisters - PI Additional T-Bo Additional name Notes: 1)All performance 2)Performance v	C , 1 number per phase x for Accessories pplate ce values are subject to IS/IEC 6 /alues are at rated voltage and ra	ted frequency condition and for DOL	Brake (Type/voltage/torque)			
RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PI Additional T-Bo Additional name <i>Notes:</i> 1)All performance v 3)Motor GD ² = 1 4)Where starting	C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 values are at rated voltage and ra Load GD ² assumed wherever no g time is more than 10 seconds,	tted frequency condition and for DOL of mentioned. provision of heavy duty relays is man	Brake (Type/voltage/torque) specified. starting condition.			
RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PI Additional T-Bo Additional name <i>Notes:</i> 1)All performance v 3)Motor GD ² = 1 4)Where starting 5)Kilowatt rating	C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 values are at rated voltage and ra Load GD ² assumed wherever no	tted frequency condition and for DOL of mentioned. provision of heavy duty relays is man	Brake (Type/voltage/torque) specified. starting condition.			
RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Bo Additional name Notes: 2)Performance v 3)Motor GD ² = 1 4)Where starting 5)Kilowatt rating	C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 values are at rated voltage and ra Load GD ² assumed wherever no g time is more than 10 seconds, g is mandatory and HP is appro	tted frequency condition and for DOL of mentioned. provision of heavy duty relays is man	Brake (Type/voltage/torque) specified. starting condition.			
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Project:		Contractor/Client		Date:	
Consultant		Package		Date.	