Manufacturer Type of motor	Bijlee	Data sheel	t for motors			
Type of motor	Bharat Bijlee Ltd.		Customer			
	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	110	/	4P
BBL type tef. Installation deta	uils		Frame size Applicable standards (latest edition)		3155	S
	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		N. A	Supply conditions and permissible variations (grid	t supply)	T	
	on GAS (Zone 1/Zone 2)	N.A. N.A.	Number of phases	41.5	Thre	
Gas group Temp.class		N.A.	Voltage (Volts) and permisible variation Frequency (Hz) and permissible variation	415 50		±10% ±5%
1	on protection (FLP/Type	N.A.	Combined variation (absolute sum)	±10%		
	prity for hazardous area	Not Applicable				
Electrical paran	neters					
Starting perform						
Method of startir		DOL	Starting current (%FLC)		650)
Load speed (rpm		CUSTOMER TO FURNISH	Starting torque (%FLT)		250	
Motor GD ² (kgm	,	9.97	Pull out torque (%FLT)		300)
Load GD ² (kgm ²)	/	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
Load torque-spec		Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2	2/3		
Starting time at r	rated voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS		1		
Running Perform	mance	L				
Efficiency class		IE2	Duty and designation	C	ontinuou	is (S1)
Ambient temp./temp.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		188	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		0
Full load speed (1485	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	1	Not appli	
Full load torque Efficiency in % a Mechanical part	at FL/0.75FL/0.5FL	72.1 94.5 94.3 92.3	Stator/rotor time constant (min) Power factor at FL/0.75FL/0.5FL	0.86	108/14 0.83	46 0.76
Mecnanical para Mounting	ameters	В5	Mounting dimensions	Pa	efer GA d	Irowing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE	K	Clockw	U
Degree of protect	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 (kgs.)	862	Paint shade		RAL 50	000
			Earthing provision (two terminals on stator body)		Yes	
Bearings			Terminal box			
Coupling (Direct	/flexible/Belt &	Direct	Terminal box location when viewed from DE	As	per GA	drawing
Pulley/Gearbox)					-	
	pulley (OD x width) mm	-	Direction of cable entry	As per GA drawing		
Dimenssions of p	ball/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 185 SQ M		-
Dimenssions of p Bearings (roller/		(210.02			**	
Dimenssions of p Bearings (roller/	NDE	6319 C3 / 6319 C3	Earthing provision (one terminal in TB)		Yes	•
Dimenssions of p Bearings (roller/l Bearing size DE/ Type of lubricati		6319 C3 / 6319 C3 Unirex-N3 - GREASE	Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals	3	Yes 3 / DELT	
Dimenssions of p Bearings (roller/l Bearing size DE/ Type of lubricati Accessories	on		No of phases/Winding connection/number of terminals	:		
Dimenssions of p Bearings (roller/ Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe	on rs simplex (w/o controller)		No of phases/Winding connection/number of terminals Arrow plate for direction of rotation			
Dimenssions of f Bearings (roller/ Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe	on		No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space			
Dimenssions of p Bearings (roller/l Bearing size DE/ Fype of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s	on ers simplex (w/o controller) er per bearing (w/o controller)		No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable)			
Dimenssions of p Bearings (roller/I Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT	on ers simplex (w/o controller) er per bearing (w/o controller) ingle phase 50z, 230V 'C , 1 number per phase x for Accessories		No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs)			
Dimenssions of p Bearings (roller/l Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Boz Additional name	on ers simplex (w/o controller) er per bearing (w/o controller) ingle phase 50z, 230V 'C , 1 number per phase x for Accessories		No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs)			
Dimenssions of p Bearings (roller/l Bearing size DE/ Fype of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Fhermisters - PT Additional T-Boz Additional name Votes: 1)All performance	on ers simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V °C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) specified.			
Dimenssions of p Bearings (roller/l Bearing size DE/ Fype of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Box Additional name Notes: 1)All performance v	on ers simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 alues are at rated voltage and ra	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) specified.			
Dimenssions of p Bearings (roller/l Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Box Additional name Notes: 1)All performance v 3)Motor GD ² = 1	on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V C, 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 alues are at rated voltage and ra Load GD ² assumed wherever no	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) specified. starting condition.			
Dimenssions of F Bearings (roller/I Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Box Additional name Notes: 1)All performance v 3)Motor GD ² = I 4)Where starting 5)Kilowatt rating	on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 alues 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	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) specified. starting condition.			
Dimenssions of p Bearings (roller/I Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Box Additional name Notes: 1)All performance v 3)Motor GD ² = I 4)Where starting 5)Kilowatt rating	on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 alues are at rated voltage and ra Load GD ² assumed wherever no g time is more than 10 seconds,	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) specified. starting condition.			
Dimenssions of p Bearings (roller/I Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Box Additional name Notes: 1)All performance v 3)Motor GD ² = I 4)Where starting 5)Kilowatt rating	on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 alues 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	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) specified. starting condition.			
Dimenssions of p Bearings (roller/I Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Bo: Additional name Votes: 1)All performance v 3)Motor GD ² = I 4)Where starting 5)Kilowatt rating	on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 alues 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	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) specified. starting condition.		3 / DEL1	
Dimenssions of p Bearings (roller/I Bearing size DE/ Type of lubricati Accessories RTDs - 3 numbe BTDs - 1 numbe Space heaters - s Thermisters - PT Additional T-Box Additional name Notes: 1)All performance v 3)Motor GD ² = I 4)Where starting 5)Kilowatt rating	on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V C , 1 number per phase x for Accessories plate ce values are subject to IS/IEC 6 alues 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	Unirex-N3 - GREASE	No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) specified. starting condition.	Prepared	3 / DEL1	

Project:		Contractor/Client		Date:	
Consultant		Package		Date.	