Bharat Bijlee Ltd. Phase Induction Motor CUSTOME (Safe / Hazardous) ttdoor/deck ttdis GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area ers	Industrial safe area Indoor 1000 or less N.A. N.A. N.A. N.A.	Customer BBL Enquiry reference No Customer P.O.Number W.O. No. / SAP No. Output kW / pole Frame size Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900 Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075 Noise level: IS 12065 Supply conditions and permissible variations (gria	15	/ 1601	4F
CUSTOME (Safe / Hazardous) (Safe / Hazardous) (tdoor/deck (tdils GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	Industrial safe area Indoor 1000 or less N.A. N.A.	Customer P.O.Number W.O. No. / SAP No. Output kW / pole Frame size Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900 Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075 Noise level: IS 12065 Supply conditions and permissible variations (grid	15	/ 1601	
(Safe / Hazardous) ttdoor/deck ttails GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	Industrial safe area Indoor 1000 or less N.A. N.A.	W.O. No. / SAP No. Output kW / pole Frame size Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900 Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075 Noise level: IS 12065 Supply conditions and permissible variations (grid	15	/ 1601	
(Safe / Hazardous) ttdoor/deck ttails GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	Industrial safe area Indoor 1000 or less N.A. N.A.	Output kW / pole Frame size Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900 Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075 Noise level: IS 12065 Supply conditions and permissible variations (grid	15	/ 160I	
(Safe / Hazardous) ttdoor/deck etails GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	Indoor 1000 or less N.A. N.A.	Frame size Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900 Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075 Noise level: IS 12065 Supply conditions and permissible variations (grid		1601	
(Safe / Hazardous) ttdoor/deck etails GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	Indoor 1000 or less N.A. N.A.	Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900 Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075 Noise level: IS 12065 Supply conditions and permissible variations (grid		1001	
tdoor/deck tails GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	Indoor 1000 or less N.A. N.A.	Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075 Noise level: IS 12065 Supply conditions and permissible variations (gria			
etails GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	1000 or less N.A. N.A.	Vibrations: IS 12075 Noise level: IS 12065 Supply conditions and permissible variations (grid			
GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	N.A.	Noise level: IS 12065 Supply conditions and permissible variations (gria			
GAS (Zone 1/Zone 2) protection (FLP/Type y for hazardous area	N.A.				
protection (FLP/Type	N.A.		l supply)		
y for hazardous area		Number of phases	Three		
y for hazardous area	N.A.	Voltage (Volts) and permisible variation	415 ±10% 50 ±5%		
	N.A.	Frequency (Hz) and permissible variation Combined variation (absolute sum)	50 ±5% ±10%		
	Not Applicable				
ers	Tiot i ppilouolo				
nce					
	DOL	Starting current (%FLC)		650	
	CUSTOMER TO FURNISH	Starting torque (%FLT)		240	
	0.293	Pull out torque (%FLT)	-	270	
curve	CUSTOMER TO FURNISH Parabolic TS curve	Locked rotor withstand time (hot/cold) (sec) Number of consecutive starts (hot/cold) (nos.)	8 / 16		
	PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2			
ed voltage (sec)	DETAILS				
	IE2	Duty and designation	Co	ntinuou	s (S1)
p.rise by resistance (deg.C)	50 / 70 TEFC (TOTALLY ENCLOSED	CDF/Equivalent starts per hour/FI	-		
	FAN COOLED)	Insulation class / utilisation class on DOL		F/B	
LC) amps.	27.8	Rotor type (Squirrel Cage/ Slip ring)	S	quirrel	Cage
n)	1465	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
		× /	0.02		
	90.6 90.6 89.5	Power factor at FL/0.75FL/0.5FL	0.83	0.78	0.6
	B8	Mounting dimensions	Ref	er GA d	rawing
	Single cylindrical	Direction of rotation viewed from DE		Clockw	0
n	IP 55	Suitable for bidirectional rotation	Yes		
(TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type	Acrylic		
			_		
r (kgs.)	132		RAL 5000		
				105	
exible/Belt &	D' /				1
	Direct	Terminal box location when viewed from DE	As p	As per GA drawing	
ley (OD x width) mm	-	Direction of cable entry	As per GA drawing		
l/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 10 SQ MM		
DE	6309 2Z C3 / 6209 2Z C3			Yes	
	LITHIUM SOAP BASE GREASE	No of phases/Winding connection/number of terminals	3 / DELTA / 6		
1 / /			1		
gle phase 50z, 230V		Double compression glands (Space			
		,			
or Accessories		Drake (1 ype/ voltage/1014ue)			
ite					
	0034-1 tolerances, unless otherwise s	pecified.	1		
-		-			
me is more than 10 seconds, j	provision of heavy duty relays is mand	datory.			
	d voltage (sec) nce	d voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS nce IE2 p.rise by resistance (deg.C) 50 / 70 TEFC (TOTALLY ENCLOSED FAN COOLED) LC) amps. 27.8 n) 1465	ministrict provided Load GD2 = Motor GD2 d voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS nee IE2 p.rise by resistance (deg.C) 50 70 CDF/Equivalent starts per hour/FI ITEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL LC) amps. 27.8 n) 1465 No 9.97 Stator/rotor time constant (min) L0.75FL/0.5FL 90.6 9.06 89.5 Power factor at FL0.75FL.0.5FL ettra B8 Mounting dimensions Single cylindrical Direction of rotation viewed from DE h IP 55 Suitable for bidirectional rotation rEFC/forced cooled/TESC) TEFC (IC 411) Paint shade Earthing provision (two terminals on stator body) xible/Belt & Direct v(OD x width) mm - - Direction of cable entry /angular contact) Ball /Ball Cable size and type(Aluminium) DE 6309 2Z C3 6209 2Z C3 <td< td=""><td>Image: Constraint of the second sec</td><td>Instrument provided Load GD2 = Motor GD2 d voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS nee Continuou prise by resistance (deg,C) 50 / 70 CDF/Equivalent starts per hour/FI - TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class on DOL F/B F/B L(2) amps. 27.8 Rotor type (Squirrel Cage/Slip ring) Squirrel) n) 1465 Rotor otoge/corto current (RV/RA) (Volts/Amps) Not appli n) 1465 Rotor otoge/corto current (RV/RA) (Volts/Amps) Not appli 10.75FL0.5FL 90.6 89.5 Power factor at FL/0.75FL/0.5FL 0.83 0.78 eters B8 Mounting dimensions Refer GAA Clockw n IP55 Suitable for bidirectional rotation Yes Yes TEFC/forced cooled/TESC) TEFC (IC 411) Paint shade RAL 5 Keryli (fgs.) 132 Paint shade RAL 5 Keryli Keryli (fgs.) 132 Paint shade RAL 5 Keryli</td></td<>	Image: Constraint of the second sec	Instrument provided Load GD2 = Motor GD2 d voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS nee Continuou prise by resistance (deg,C) 50 / 70 CDF/Equivalent starts per hour/FI - TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class on DOL F/B F/B L(2) amps. 27.8 Rotor type (Squirrel Cage/Slip ring) Squirrel) n) 1465 Rotor otoge/corto current (RV/RA) (Volts/Amps) Not appli n) 1465 Rotor otoge/corto current (RV/RA) (Volts/Amps) Not appli 10.75FL0.5FL 90.6 89.5 Power factor at FL/0.75FL/0.5FL 0.83 0.78 eters B8 Mounting dimensions Refer GAA Clockw n IP55 Suitable for bidirectional rotation Yes Yes TEFC/forced cooled/TESC) TEFC (IC 411) Paint shade RAL 5 Keryli (fgs.) 132 Paint shade RAL 5 Keryli Keryli (fgs.) 132 Paint shade RAL 5 Keryli

Project:	Contractor/Client	т	Date:	
Consultant	Package	L	Date.	