Bharat Bijlee Ltd. 3 Phase Induction Motor CUSTOMI Is a (Safe / Hazardous) butdoor/deck letails	ER TO FURNISH Industrial safe area Indoor 1000 or less	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 Diama in the 1004/16 000020	110	/ 3158	4P
CUSTOMI Is 1 (Safe / Hazardous) putdoor/deck	Industrial safe area Indoor	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	110	/ 315S	
<i>ls</i> 1 (Safe / Hazardous) putdoor/deck	Industrial safe area Indoor	W.O. No. / SAP No. Output kW / pole Frame size Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900	110	/ 315S	
<i>ls</i> 1 (Safe / Hazardous) putdoor/deck	Industrial safe area Indoor	Output kW / pole Frame size Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900	110	/ 3158	
n (Safe / Hazardous) putdoor/deck	Indoor	Frame size Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900	110	/ 3158	
n (Safe / Hazardous) putdoor/deck	Indoor	Applicable standards (latest edition) Performance: IS/IEC 60034-1 Maintenance IS:900		3158	
putdoor/deck	Indoor				
letails	1000 or less	Dimensions: IS 1231/IS 2223/IS:8223			
letails		Vibrations: IS 12075 Noise level: IS 12065			
GAS (Zone 1/Zone 2)	N.A.	Supply conditions and permissible variations (grid	supply)	Three	
GAS (Zone 1/Zone 2)	N.A. N.A.	Number of phases Voltage (Volts) and permisible variation	415		10%
	N.A.	Frequency (Hz) and permissible variation	50		±5%
protection (FLP/Type	N.A.	Combined variation (absolute sum)		±10%	
ity for hazardous area	Not Applicable				
eters					
ince					
2	DOL	Starting current (%FLC)		650	
	CUSTOMER TO FURNISH	Starting torque (%FLT)	250		
)	9.97	Pull out torque (%FLT)		300	
	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
1 curve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2	2 / 3		
ted voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
ance	152		0		(01)
nn rice hy resistance (des C)			Co	minuous	(51)
np.rise by resistance (deg.C)	TEFC (TOTALLY ENCLOSED	Insulation class / utilisation class on DOL	F/B		
FLC) amps.	188	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		Cage
om)	1485	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		0
FLT) kg-m 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	108/146 0.86 0.83 0.1		6 0.76
meters					
			Rei		<u> </u>
on					ise
g (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type	Acrylic		;
or (kgs.)	862	Paint shade	RAL 5000		
				Yes	
		Terminal box			
flexible/Belt &	Direct	Terminal box location when viewed from DE	Δs	per GA d	rawing
1. (0.5					
illey (OD x width) mm	-	Direction of cable entry	As	per GA d	rawing
all/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 185 SQ MN		
n	Unirex-N3 - GREASE	terminals	3	/ DELTA	A / 6
s simplex (w/o controller)		Arrow plate for direction of rotation			
per bearing (w/o controller)		Double compression glands (main cable)			
ngle phase 50z, 230V		Double compression glands (Space heater/thermisters/RTDs)			
C, 1 number per phase for Accessories		Brake (Type/voltage/torque)			
late					
volues are subject to IC/IEC (10034-1 toterances, unless otherwise s				
_	ted frequency condition and for DOL	starting condition.			
lues are at rated voltage and rate dO^2 assumed wherever no		-			
	ty for hazardous area ters mce curve ed voltage (sec) ance mp.rise by resistance (deg.C) FLC) amps. m) LT) kg-m FL/0.75FL/0.5FL meters m (TEFC/forced cooled/TESC) or (kgs.) lexible/Belt & lley (OD x width) mm Il/angular contact) DE 1 simplex (w/o controller) per bearing (w/o controller) gle phase 50z, 230V , 1 number per phase for Accessories	Instruction INA. ty for hazardous area Not Applicable ters DOL CUSTOMER TO FURNISH 9.97 CUSTOMER TO FURNISH 9.97 CUSTOMER TO FURNISH 9.97 curve Parabolic TS curve ed voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS ance IE2 np.rise by resistance (deg.C) 50 / 70 TEFC (TOTALLY ENCLOSED FAN COOLED) FAN COOLED) FLC) amps. 188 m) 1485 LT) kg-m 72.1 FL0.75FL/0.5FL 94.5 94.3 92.3 neters B3 Single cylindrical IP 55 (TEFC/forced cooled/TESC) TEFC (IC 411) or (kgs.) or (kgs.) 862 exible/Belt & Direct lly (OD x width) mm - II/angular contact) Ball/Ball DE 6319 C3 / mineters - - simplex (w/o controller) gle phase 502, 230V . , 1 number per phase for Accessories - <td>NA. Combined variation (absolute sum) ty for hazardous area Not Applicable ters DOL Starting current (%FLC) Starting torque (%FLT) CUSTOMER TO FURNISH Starting torque (%FLT) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2 ed voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Duty and designation ance IE2 Duty and designation ap.rise by resistance (deg.C) 50 / 70 CDF/Equivalent starts per hour/FI TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL FLO_3FDL_05FL 94.3 92.3 Power factor at FLO.3FLO.5FL 94.3 92.3 Power factor at FLO.3FLO.5FL 94.3 92.3 Power factor at FLO.3FLO.5FL 94.3 92.5 Single cylindrical Direction of rotation viewed from DE n IP 55 Suitable for bidirectional rotation (TEPC/forced cooled/TESC) TEFC (IC 411) Paint type n Direct Terminal box<</td> <td>N.A. Combined variation (absolute sum) ty for hazardous area Not Applicable ivers DOL Starring current (%FLC) CUSTOMER TO FURNISH Starring torque (%FLT) Immediate torque (%FLT) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (see) 15 Curve Parabolic TS curve Number of consecutive starts (hot/cold) (see) 15 curve Parabolic TS curve Number of consecutive starts (hot/cold) (see) 15 curve PLEASE FURNISH ALL ABOVE DETAILS Provided Load GD2 = Motor GD2 CC ance TEFC (TOTAILY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL Cop/Faguivalent starts per hour/FI FLO, anps. 188 Rotor type (Squirrel Cage/Slip ring) S mit 1485 Rotor votage/rotor current (WLRA) (Vols/Amps) N FLO, 75FL0.5FL 94.5 94.3 92.3 Power factor at FL0.75FL0.5FL 0.86 neters B3 Mounting dimensions Rei Rei on P 5.5 Suitable for bidirectional rotation Cretterd from DE 10 or TEFC (IC (I11) Paint type Cretinal Box<</td> <td>N.A. Commined variation (assoute sum) 2 10% y for hazardous area Not Applicable 2 ters DOL Starting current (%FLC) 650 CUSTOMER TO FURNISH Starting torque (%FLT) 250 1 9.97 Pail out torque (%FLT) 300 CUSTOMER TO FURNISH Locked rotor withstant time (hot/cold) (sec) 15 / curve Parabolic TS curve Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2 2 / 3 ed voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2 2 / 3 aree IE2 Duty and designation Continuous provided Load GD2 = Motor GD2 2 / 3 p.rise by resistance (deg.C) 50 / 70 CDF/Equivalent starts per hour/FI - FEC (TOTAILY ENCLOSED Insulation class / utilisation class on DOL F/B F/B FL0.57L0.5FL 94.5 94.3 92.3 Power factor at FL0.75FL0.05FL 0.86 0.83 terts B3 Mounting dimensions Refer GA di One (MS/RA) (Volts/Amps) Not applic Not applic (PC (Vortail PC (C 411)) paint type TEFC (I C 411) Paint shade RAL 50 Sciared (PC (NS/RA) (Volts/Amps) or (kgs.) 862 Pain</td>	NA. Combined variation (absolute sum) ty for hazardous area Not Applicable ters DOL Starting current (%FLC) Starting torque (%FLT) CUSTOMER TO FURNISH Starting torque (%FLT) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2 ed voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Duty and designation ance IE2 Duty and designation ap.rise by resistance (deg.C) 50 / 70 CDF/Equivalent starts per hour/FI TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL FLO_3FDL_05FL 94.3 92.3 Power factor at FLO.3FLO.5FL 94.3 92.3 Power factor at FLO.3FLO.5FL 94.3 92.3 Power factor at FLO.3FLO.5FL 94.3 92.5 Single cylindrical Direction of rotation viewed from DE n IP 55 Suitable for bidirectional rotation (TEPC/forced cooled/TESC) TEFC (IC 411) Paint type n Direct Terminal box<	N.A. 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Project:		Contractor/Client		Date:	
Consultant		Package		Date.	