Manufacturer Bharat Bijlee Ltd.			Customer			
	<b>B</b> Phase Induction Motor		BBL Enquiry reference No			
<b>Quantity</b>			Customer P.O.Number			
Application	CUSTOMI	ER TO FURNISH	W.O. No. / SAP No.	1 = 0		
lag no.			Output kW / pole	150	/	6P
BL type tef.		2J31L6B3	Frame size		MJ315	
nstallation detail	S		Applicable standards (latest edition)			
	n (Safe / Hazardous)		Performance: IS/IEC 60034-1 Maintenance IS:900	FLP Moto	ors: IS/IEC 60	)079-1
Location: indoor/outdoor/deck		Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
Altitude (meters)		1000 or less	Vibrations: IS 12075			
			Noise level: IS 12065		<u></u>	
Iazardous area a			Supply conditions and permissible variations (grid	l supply		
	n GAS (Zone 1/Zone 2)	ZONE I	Number of phases		Three	
as group		IIA, IIB	Voltage (Volts) and permisible variation	415	±10	
emp.class		T4	Frequency (Hz) and permissible variation	50	±59	%
ype of Explosion '/Type 'n')	n protection (FLP/Type	Ex d	Combined variation (absolute sum)		±10%	
Approving authority for hazardous area		If Coal Mine application then DGMS else PESO				
Electrical parame	eters	L				
tarting performa	ince					
Iethod of starting		DOL	Starting current (%FLC)		600	
.oad speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)		200	
$fotor GD^2 (kgm^2)$	)	21.5	Pull out torque (%FLT)		250	
oad $GD^2(kgm^2)$	, 	CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
oad torque-speed	l curve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2		2/3	
tarting time at rat	ted voltage (sec)	PLEASE FURNISH ALL ABOVE				
C		DETAILS				
Running Performance		IE 2	Duty and designation	Continuous (S1)		
Efficiency class	$\mathbf{r}$	IE2	Duty and designation	Continuous (S1)		
andient temp./ter	np.rise by resistance (deg.C)	45 / 75 TEFC (TOTALLY ENCLOSED	CDF/Equivalent starts per hour/FI		-	
Inclosure		FAN COOLED)	Insulation class / utilisation class on DOL		F/B	
ull load current (	FLC) amps.	265	Rotor type (Squirrel Cage/ Slip ring )	Squirrel Cage		
ull load speed (r	, <b>1</b>	990	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
full load torque (H	. /	148	Stator/rotor time constant (min)		144/194	
<b>A</b> ``_	FL/0.75FL/0.5FL	94.7 94.3 92.8	Power factor at FL/0.75FL/0.5FL	0.82	0.79	0.70
Iechanical para						
Iounting		B3	Mounting dimensions	Re	efer GA drav	ving
haft extention		Single cylindrical	Direction of rotation viewed from DE	Clockwise		
egree of protecti	on	IP 55	Suitable for bidirectional rotation	Yes		
Iethod of cooling	g (TEFC/forced	TEFC (IC 411)	Paint type	Acid Alkali Proof		
ooled/TESC)	or (kgg)	1 1 75	Daint shada	622 as not IS 5		
Net weight of motor (kgs.)		1425	Paint shadeEarthing provision (two terminals on stator body)	632 as per IS 5 Yes		
Searings			<i>Terminal box</i>		1 5	
Coupling (Direct/f	- Jexible/Relt &					
ulley/Gearbox)		Direct	Terminal box location when viewed from DEAs per		per GA dra	wing
Dimensions of pulley (OD x width) mm		_	Direction of cable entry	As per GA drawing		
*	all/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R X 3C X 185 SQ MM		
earing size DE/N	NDE	6319 C3 / 6319 C3	Earthing provision (one terminal in TB)	Yes		
			No of phases/Winding connection/number of			
Type of lubrication		Unirex-N3 - GREASE	terminals	3 / DELTA / 6		
ccessories						
TDs - 3 numbers	s simplex (w/o controller)		Arrow plate for direction of rotation			
	per bearing (w/o controller)		Double compression glands (main cable)			
Space heaters - single phase 50z, 230V			Double compression glands (Space heater/thermisters/RTDs)			
			Brake (Type/voltage/torque)			
hermisters - PTC	C, 1 number per phase		Diake (Type/voltage/torque)			
Thermisters - PTC Additional T-Box			blake (Type/voltage/torque)			

Notes:

1)All performance values are subject to IS/IEC 60034-1 tolerances, unless otherwise specified.

2)Performance values are at rated voltage and rated frequency condition and for DOL starting condition.

3)Motor  $GD^2$  = Load  $GD^2$  assumed wherever not mentioned.

4)Where starting time is more than 10 seconds, provision of heavy duty relays is mandatory.

5)Kilowatt rating is mandatory and HP is approximate.

6) Accessories provided are marked as "YES"

		Dramanad hav	
		Prepared by	
		Approved by	
		Revison	
Project:	Contractor/Client	Data	
Consultant	Package	Date:	