			Customer			
	nase Induction Motor		BBL Enquiry reference No			
Quantity	СПСТОЛИ		Customer P.O.Number W O. No. / SAP No.			
Application	CUSIOMI	ER TO FURNISH	W.O. No. / SAP No. Output kW / pole	132	/	6P
ag no. BL type tef.		2J31L673	Frame size	152	/ MJ315	OP
nstallation details		2JJ1L07J	Applicable standards (latest edition)			
rea classification (S	afe / Hazardous)	Hazardous	Performance: IS/IEC 60034-1 Maintenance IS:900	FLP Moto	ors: IS/IEC 6	50079-1
Location: indoor/outdoor/deck		Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
Altitude (meters)		1000 or less	Vibrations: IS 12075			
			Noise level: IS 12065			
Iazardous area deta			Supply conditions and permissible variations (grid	l supply)		
rea classification G	AS (Zone 1/Zone 2)	ZONE I	Number of phases	41.7	Three	
as group		IIA, IIB	Voltage (Volts) and permisible variation	415		$\frac{0\%}{50}$
emp.class	to off one (FI D/T-ree	T4	Frequency (Hz) and permissible variation	50	±3	5%
ype of Explosion pro '/Type 'n')	otection (FLP/Type		Combined variation (absolute sum)		±10%	
approving authority f	for hazardous area	If Coal Mine application then DGMS else PESO				
clectrical parameter						
tarting performance	6				~~~~	
Iethod of starting oad speed (rpm)		DOL CUSTOMED TO EUDNISH	Starting current (%FLC)		600	
$\frac{\text{oad speed (rpm)}}{\text{Later CD}^2 (1 \text{ cm}^2)}$		CUSTOMER TO FURNISH	Starting torque (%FLT)		230	
$\frac{\text{Iotor GD}^2 \text{ (kgm}^2)}{2}$			Pull out torque (%FLT)	1 2	250	20
$oad GD^2(kgm^2)$		CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	15	/	30
bad torque-speed cu	rve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.)provided Load GD2 = Motor GD2		2/3	
tarting time at rated	voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Performance						
fficiency class		IE2	Duty and designation	Continuous (S1)		
mbient temp./temp.i	rise by resistance (deg.C)		CDF/Equivalent starts per hour/FI		-	
nclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
ull load current (FLC	/ 1	231	Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		
full load speed (rpm)		990	Rotor voltage/rotor current (RV/RA) (Volts/Amps)]	Not applica	
ull load torque (FLT		130	Stator/rotor time constant (min)		144/194	
fficiency in % at FL		94.6 94.6 93.8	Power factor at FL/0.75FL/0.5FL	0.84	0.81	0.74
lechanical paramet	ers	רת	Monteiro alimantica		for C A 1	
Aounting haft axtantion		B3 Single cylindrical	Mounting dimensions	Refer GA drawing		
haft extention		Single cylindrical IP 55	Direction of rotation viewed from DE Suitable for bidirectional rotation	Clockwise		
begree of protection Iethod of cooling (T	EFC/forced			Yes		
poled/TESC)		``´´´	Paint type	Acid Alkali Proof		
Net weight of motor (kgs.)		1425	Paint shade	632 as per IS 5		
•			Earthing provision (two terminals on stator body)		Yes	
earings	1.1./D 1/ 0		Terminal box			
Coupling (Direct/flexible/Belt &		Direct	Terminal box location when viewed from DE	As per GA drawing		
ulley/Gearbox) Dimenssions of pulley	$\frac{1}{2}$ (OD v width) mm		Direction of cable entry			
1 .				As per GA drawing		
earings (roller/ball/a	.	Ball /Ball 6319 C3 / 6319 C3	Cable size and type(Aluminium)Earthing provision (one terminal in TB)	2R X 3C X 185 SQ MM		
Bearing size DE/NDE			No of phases/Winding connection/number of	Yes		
Type of lubrication		Unirex-N3 - GREASE	terminals	3 / DELTA / 6		
<i>ccessories</i> TDs 3 numbers sir	nnlow (m/o controllow)		Arrow plata for direction of rotation			
	nplex (w/o controller)		Arrow plate for direction of rotation			
BTDs - 1 number per bearing (w/o controller)			Double compression glands (main cable)			
Space heaters - single phase 50z, 230V			Double compression glands (Space heater/thermisters/RTDs)			
hermisters - PTC 1	number per phase		Brake (Type/voltage/torque)			
	•					
Additional T-Box for Additional nameplate						

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:	