	Dhanat Dillag T 4.			Customar			
Manufacturer				Customer PRI Enguing reference No			
Type of motor Quantity	5 phase mouchon wrotor			BBL Enquiry reference No Customer P O Number			
Application	CUSTOMER TO FURNISH			Customer P.O.NumberW.O. No. / SAP No.			
Fag no.			Output kW / Pole	15 / 8P			
BBL type Ref.		MD20L833		Frame size		 MJ200	01
Installation detail	ils	11122012033	,	Applicable standards (latest edition)		1013200	
		Hazardous ar	ea	Performance: IS/IEC 60034-1 Maintenance IS:900	FLP Mote	ors: IS/IEC	60079-
Area classification (Safe / Hazardous) Location: indoor/outdoor/deck		Indoor	cu	Dimensions: IS 1231/IS 2223/IS:8223			00077
Altitude (meters)				Vibrations: IS 12075			
			5	Noise level: IS 12065			
Hazardous area	details			Supply conditions and permissible variations (grid	l supply)		
_	on GAS (Zone 1/Zone 2)	ZONE I		Number of phases		Three	
Gas group		IIA, IIB		Voltage (Volts) and permisible variation	415 ±10%)%
Temp.class		,		Frequency (Hz) and permissible variation	$50 \pm 5\%$		
Type of Explosion protection				Combined variation (absolute sum)	±10%		
(EL D/Type 'o'/Type 'n') Approving authority for hazardous area		If Mine application then DGMS else PESO					
Electrical param	neters						
Starting perform	nance						
Method of startin	Ig	DOL		Starting current (%FLC)	550		
Load speed (rpm)	-	CUSTOMER TO FURNISH		Starting torque (%FLT)	250		
Motor GD^2 (kgm ²)		1.32		Pull out torque (%FLT)	230		
Load GD ^{2} (kgm ^{2}		CUSTOMER TO FURNISH		Locked rotor withstand time (hot/cold) (sec)	12 / 24		24
Load torque-speed curve		Parabolic TS curve		Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2	2/3		
Starting time at rated voltage (sec)		PLEASE FURNISH ALL ABOVE DETAILS					
Running Perform	nance						
Efficiency class		_		Duty and designation	Continuous (S1)		
Ambient temp./temp.rise by resistance (deg.C)		45 / 75		CDF/Equivalent starts per hour/FI			
Enclosure		TEEC (TOTALLY ENCLOSED		Insulation class / utilisation class on DOL	F/B		
Full load current (FLC) amps.		28.8		Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		
Full load speed (r	rpm)			Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
Full load torque (FLT) kg-m				Stator/rotor time constant (min)	144/194		
Efficiency in % a	t FL/0.75FL/0.5FL	88.5 88.5	87.0	Power factor at FL/0.75FL/0.5FL	0.82	0.79	0.71
Mechanical para	ameters			•			
Mounting		B8		Mounting dimensions	Re	efer GA drav	wing
Shaft extention		Single cylindrical		Direction of rotation viewed from DE	Clockwise		
Degree of protect	tion			Suitable for bidirectional rotation	Yes		
0 1							
Method of coolin	ng (TEFC/forced cooled/TESC)	TEFC (IC 411)		Paint type	Acid Alkali Proof		
Net weight of mo	otor (kg)	305		Paint shade	6	532 as per IS	S 5
Bearings				Earthing provision (two terminals on stator body) <i>Terminal box</i>		Yes	
Coupling (Direct/flexible/Belt & Pulley/Gearbox)		Direct		Terminal box location when viewed from DE	As per GA drawing		
Dimenssions of pulley (OD x width) mm		_		Direction of cable entry	As per GA drawing		
Bearings (roller/ball/angular contact)		Ball /Ball		Cable size and type(Aluminium)	2R X 3C X 50 SQ MM		
Bearing size DE/NDE		6212 2Z C3/6212 2Z C3		Earthing provision (one terminal in TB)	Yes		
Type of lubrication		LITHIUM SOAP BASE GREASE		torminale	3 / DELTA / 6		
Accessories							
RTDs - 3 number	rs simplex(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)			
Thermisters - PT				Brake (Type/voltage/torque)			
	x for Accessories						
Additional T-Box Additional namer							

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"

Prepared by	
Approved by	

			Revison	
Project:	Contractor/Client		Date:	
Consultant	Package			