

PURCHASER's DATA					
A. Site conditions					
1	Ambient temperature, minimum:	46 °C	3	Atmospheric condition:	Humid & highly corrosive
	maximum:	1 °C	4	Altitude:	< 1000 m
	design:	40 °C	5	Location:	Outdoor
2	Relative humidity:	30-100 %	6		
B. Technical particulars					
1	Motor tag no.:				
2	Driven equipment name:				
3	Voltage:	415 V ±10%	16	Hazardous area classification:	Zone 2
4	Phase:	Three	17	Gas group:	IIA/IIB
5	Frequency:	50 Hz ±3%	18	Type of explosion protection:	Ex(n) (without pre start ventilation)
6	Fault level:	50 kA	19	Type of ingress protection:	IP 55
7	Method of starting:	D.O.L.	20	Color shade:	632 as per IS 5
8	Winding connection:	Delta	21	Thermistors:	☐ Required ☒ Not required
9	No. of terminals:	3	22	RTD:	☐ Required ☒ Not required
10	Cable size:	Later mm ²	23	BTD:	☐ Required ☒ Not required
11	Cable type:	Cu/Al cond. PVC insulated	24	RTD/BTD monitoring device:	☐ Required ☒ Not required
12	Temperature rise:	80 °C			
13	Cooling:	TEFC			
14	Insulation class:	F	25	Applicable specification:	EIL spec. 6-51-0032 &
15	(temp rise limited to class B)		26		
DRIVEN EQUIPMENT MANUFACTURER's DATA					
1	Suggested motor rating:	kW	9	Torque required, starting:	mkg
2	Manufacturer:			maximum:	mkg
3	BkW at full load:	kW	10	GD ² of eqpt., including flywheel:	kgm ²
4	kW at end of curve:	kW		excluding flywheel:	kgm ²
5	Speed:	RPM	11	Thrust, up:	kg
6	Rotation viewed from coupling end:			down:	kg
7	Driven equipment:		12	Starting condition:	
8	Coupling type:				
MOTOR MANUFACTURER's DATA					
1	Rating:	0.75 kW	16	Space heater - voltage & power:	-
2	Manufacturer	CEMP	17	Efficiency at, 75% Load:	71.2 %
3	No. of poles:	4		100% Load:	72.8 %
4	Frame designation:	80B	18	Power factor at, 75% Load:	0.64
5	Full load speed:	1391 RPM		100% load:	0.72
6	Mounting:	B3	19	Moment of inertia, GD ² :	0.0013 kgm ²
7	Full load torque (FLT):	51.4 mkg	20	NDE bearing type & no.:	6204 ZZ
8	Starting torque:	235 % of FLT	21	DE bearing type & no.:	6204 ZZ
9	Break down or pull out torque:	265 %	22	Type of lubrication:	LGHP2 SKF or equivalent
10	Full load current (FLC):	1.99 A	23	Weight of motor:	26 kg
11	Starting current at 100% voltage:	405 % of FLC	24	Thermistors, quantity:	- no.
12	Rotation viewed from coupling end:			make: type:	-
13	Starting time at 75% voltage:	27 sec.	25	RTD, quantity:	- no.
	allowable 100% voltage:	17 sec.		make: type:	-
14	Locked rotor withstand time (cold/hot) at,		26	BTD, quantity:	- no.
	75% voltage:	31/17 sec.		make: type:	-
	100% voltage:	20/11 sec.	27	Shaft voltage:	- V
15	Time (Te) for Increased Safety motors	- sec.	28	Critical speed, 1 st /2 nd stage:	- RPM
	at 100% Voltage		29	Canopy(FRP) :	☒ Required ☐ Not required

1. Starting time calculations shall be based on operating conditions specified on Material Requisition eg. open valve condition/
closed valve condition, at no load/full load, as applicable.

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