

PROPYLENE TRANSFER PUMP MOTOR - MAT CODE: 6505020053

		CUSTOMER : SUNDYNE CORPORATION	
CROMPTON GREAVES LTD.		INCIDENT NO : 0419348348/700	
LT MOTORS DIVISION		PO NO : 1523785 OP	
AHMEDNAGAR		PO DATE : 07/10/2011	
		DATE : 10/10/2011	
QUANTITY	2		
DRIVEN EQUIPMENT	As Per Customer		
DUTY	S1		
MANUFACTURER	CROMPTON GREAVES LTD.		
TYPE	3PHASE, AC SQUIRREL CAGE INDUCTION MOTOR		
FRAME DESIGNATION	E280M		
OUTPUT ----- KW	75		
VOLTAGE ----- VOLT	415.0, +10%		
FULL LOAD CURRENT ----- AMP	119.00		
FULL LOAD SPEED ----- RPM	2975		
ENCLOSURE	FLAME PROOF ENCLOSURE ZONE I, DIV. I, Gas Group - IIA, IIB		
TYPE OF PROTECTION	IP55		
GAS GROUP	IIA, IIB		
MOUNTING	V1		
AMB. TEMP/TEMP RISE ----- °C	45°C/75 Degc (BY RESISTANCE METHOD)		
FULL LOAD TORQUE ----- KGM	24.55		
APPLICABLE CODE	IS:1231, IS:12075, IS:12065, IS:325,		
STARTING TORQUE AS --- %FLT	175		
%EFF @100% LOAD	93.6		
%EFF @75% LOAD	93		
%EFF @50% LOAD	92		
ROTATION VIEWED FROM DE	Clockwise from DE		
BEARING TYPE --- DE/ODE	6315-C4/6315-C4		
TYPE OF LUBRICATION	UNIREX-N3		
NET WEIGHT (APPR.) ----- KG	966		
TYPE OF COUPLING	NOT SPECIFIED		
CABLE SIZE TYPE ----- mm. sq	2 * 3C, 95-184*		
PHASE/CONN/NO OF TERMINAL	3/Delta/6		
FREQUENCY ----- Hz	50.0, +5%		
INSULATION CLASS	F (Temp. rise limited to class 'B')		
No. OF POLES	2		
LOCKED ROTOR CURRENT %FLC	600		
LR WITHSTD TIME HOT/COLD	15/30.		
STATOR THERMAL TIME CONST MIN	60		
PF @ 100% LOAD	0.94		
PF @ 75% LOAD	0.9		
PF @ 50% LOAD	0.92		
FULL OUT TORQUE --- %FLT	225		
SPACE HEATERS - WATTS/VOLTS	SPACE HEATER 60Wx2 (CR280/315)		
ACCESSORIES	Canopy required,		
PAINT SHADE	ACP 632		
TB POSITION FROM DE	RHS FROM DE		
Load GD SQ. (KG-M²)	6.65		
MOTOR GD SQ. (KG-M²)	6.65		
STARTING TIME @100% V SEC	1		
TYPE OF STARTING	Direct On Line		
NOISE LEVEL	As Per IS:12065		
VIBRATION	As per IS:12075		
RV/RA			

REVIEW CODE ☒ 1 ☒ 2 ☒ 3

Signature & Name _____

हस्ताक्षर एवं नाम _____

Date/दिनांक _____

v.p. No. _____

श्री पी वी. 6907/ 67 57

Purchaser: Sundyne Asia Japan Co. Ltd

Owner/User: Brahmaputra Cracker & Polymer Ltd.

Location: Lapedketa, India

P.O.#: 8CPL/C&P/8907/MR-548

Model Type: LMV-311

Item #: 143-PA-07 A/B

Service: Propylene Transfer

Serial No.: A1898277-12-13

Sundyne

SUNDYNE REVIEWED

APPROVED ☒ X

NOTE: 1) ALL PERFORMANCE FIGURES ARE SUBJECT TO IS 325 - 1996 TOLERANCES.
2) FOR INVERTER DRIVEN MOTORS, MAX. ALLOWED %THD FOR VOLTAGE = 3% AND TEMPERATURE RISE IS LIMITED TO CLASS F LIMITS
3) FOR INVERTER DRIVEN MOTORS, VOLTAGE SPIKES ARE ALLOWED MAXIMUM 1800 V AND MIN. RISE TIME OF 0.1 MICROSECOND. CABLE LENGTH TO BE SELECTED ACCORDINGLY.

ISSUED BY: Prashant Pujari
LT MOTORS DIVISION, AHMEDNAGAR

Purchaser: Sundyne Asia Japan Co. Ltd
 Owner/User: Brahmaputra Cracker & Polymer Ltd
 Location: Lepetkata, India
 P.O.#: BCPL/C&P/6907/IMR-549
 Model Type: LMV-311
 Item #: 143-PA-07 A/B
 Service: Propylene Transfer
 Serial No.: A1989277-12-13

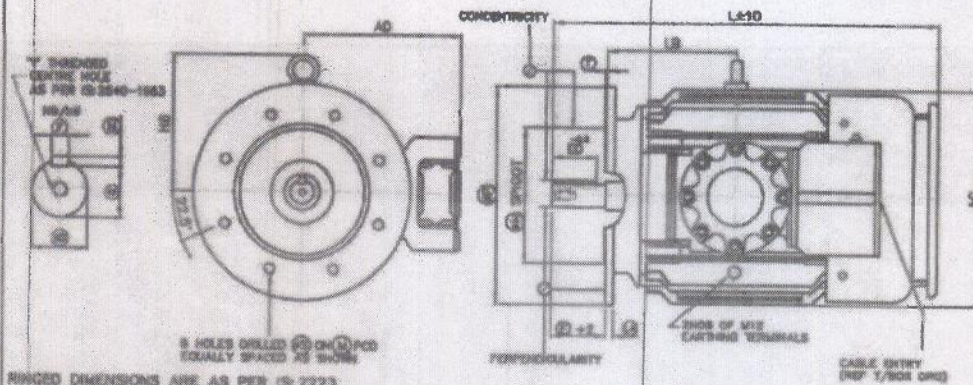
**DIMENSION DRAWING OF 3 PH SQUIRREL CAGE TEFC FLANGE MOUNTED
 TB ON RHS (FROM DE) FLAME PROOF (GROUP IIA/IB) INDUCTION MOTOR**

PROJECTION



DO NOT SCALE

PLEASE ASK, IF IN DOUBT



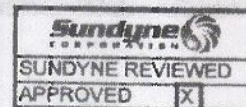
RINGED DIMENSIONS ARE AS PER IS:2323
 ALL DIMENSIONS ARE IN mm

FRAME SIZE	FLANGE FIXING						OVER ALL				
	M Td	N Td	P	S	T	LA	AD	AC	L	HD	HA
E280M	300.5 / 199.5	450.020 / 446.980	550	19	5	22	478	620	1210	400	380

SHAFT AND KEY						
D TOL	E	SD	F TOL	GD TOL	Ø	Y
65.020 / 65.011	140	110	18.00 / 17.957	11.5 / 10.9	58.0 / 57.8	M20X40

FRAME SIZE	CONCENTRICITY MICRON	PERPENDICULARITY IN MICRON	RUNOUT IN MICRON
	NORM CLASS	NORM CLASS	SHAFT
E280M	125	125	65

ERTL Test Report: ERTL(E)TES/C184/0010/06-07 Dt. 17/08/2007
 DGMS Letter No.: 83/1132/EHO Dt. 31/05/2010
 DGMS Approval No.: 127
 CCE Letter No.: A/P/HQ/MH/104/1534(P211851) Dt. 13/06/2008



REVIEW CODE ☒ 2 ☒ 3
 समीक्षा कोड [R] [1]
 Signature & Name: 15/11
 हस्ताक्षर एवं नाम
 Date/दिनांक
 v.p. No.
 जी.वी.नं. 6907/ 6757

CUSTOMER	SUNDYNE CORPORATION	KV	75
P.O. NO.	1523765 OP	FRAME	E280M
IND. NO.	6413549346/700	POLE	2
CLIENT		TAG NO.	143-PM-07 A, 143-PM-07 B.
PROJECT			

	NAME	DATE	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED
DRN	SBK	17-Oct-11	
CHD	SBK	17-Oct-11	
APPROVED	DNB	17-Oct-11	

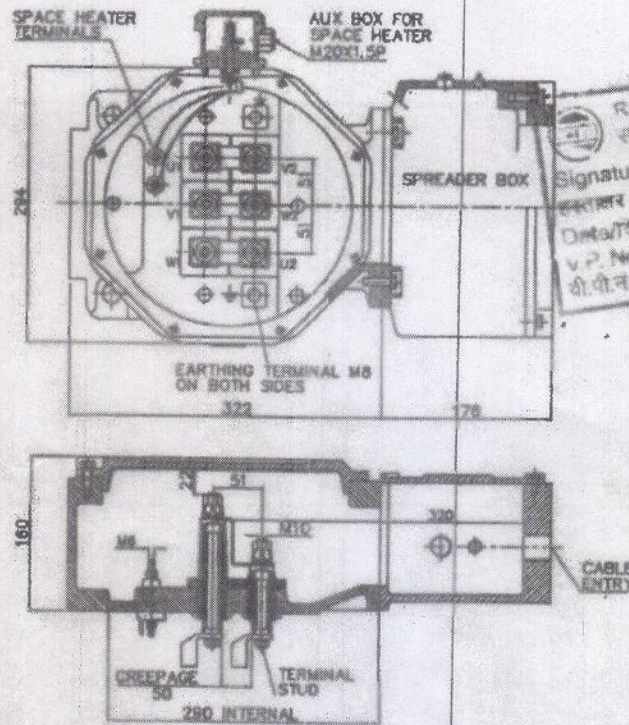


Crompton Greaves Limited
 LT Motors Division
 Ahmednagar

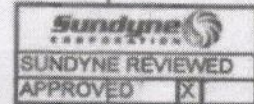
TITLE
 OUTLINE DIMENSION DRAWING

E250V1

Purchaser: Sundyne Asia Japan Co. Ltd
 Owner/User: Brahmaputra Cracker & Polymer Ltd.
 Location: Lepetkata, India
 P.O.#: BCPL/C&P/6907/MR-549
 Model Type: LMV-311
 Item #: 143-PA-07 A/B
 Service: Propylene Transfer
 Serial No.: A1995277-12-13



REVIEW CODE 1 2 3
 समीक्षा कोड
 Signature & Name
 Designation एवं नाम
 Date/दिनांक
 V.P. No.
 शी.प्री.नं. 6907 / 6757

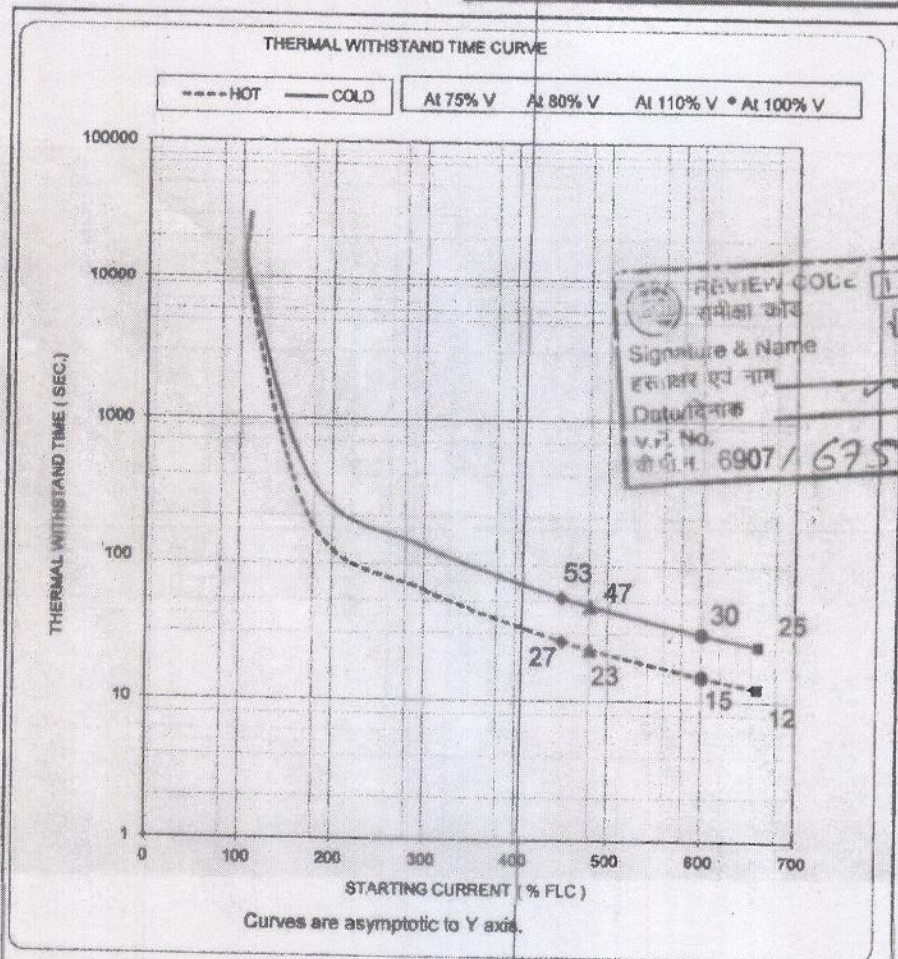


CLEARANCE 14
 CREEPAGE 25

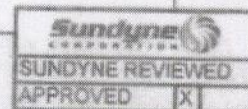
TB DESIGN
 1.3C.150CI
 2.3C.120CI
 1.3.5C.150CI
 2.3.5C.120CI

PROVIDED	SPACE HEATER	THERMISTOR	ET SIZE	RTD
YES	YES	NA	NA	NA
CABLE SIZE	1X2CX2.5mm ²	NA	M40X1.5P 2-No.	NA
MAIN CABLE SIZE:	2" 3C.95-MM ²			
CUSTOMER:	SUNDYNE CORPORATION			
P.O. NO.	1523785 OF	kW		75
IND. NO.	0413548348/700	FRAME		E280M
CLIENT:			POLE	2
PROJECT:	Tag No. 143-PM-07 A, 143-PM-07 B.			
DRN	NAME	DATE	ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED	
CHO	SBK	17/10/11		
APPROVED	SBK	17/10/11		
	DNB	17/10/11	Rev. CL +	
Crompton Greaves Limited LT Motors Division Ahmednagar			TITLE TERMINAL BOX ARRANGEMENT	
			SEA5440R2-1IAB	

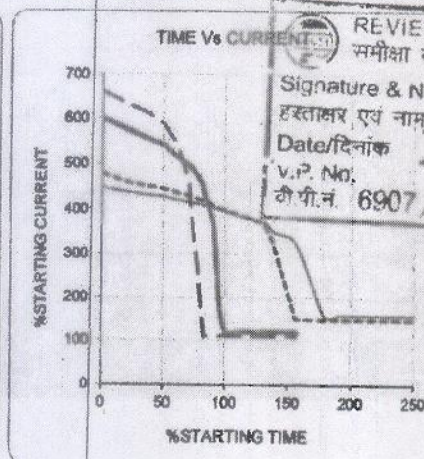
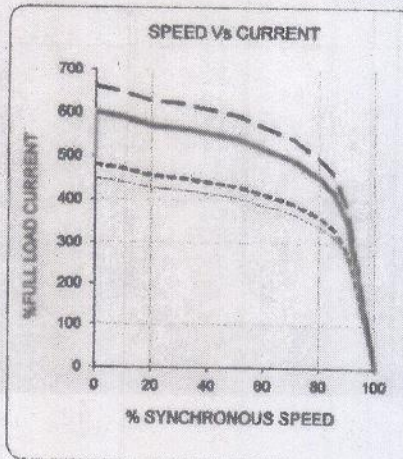
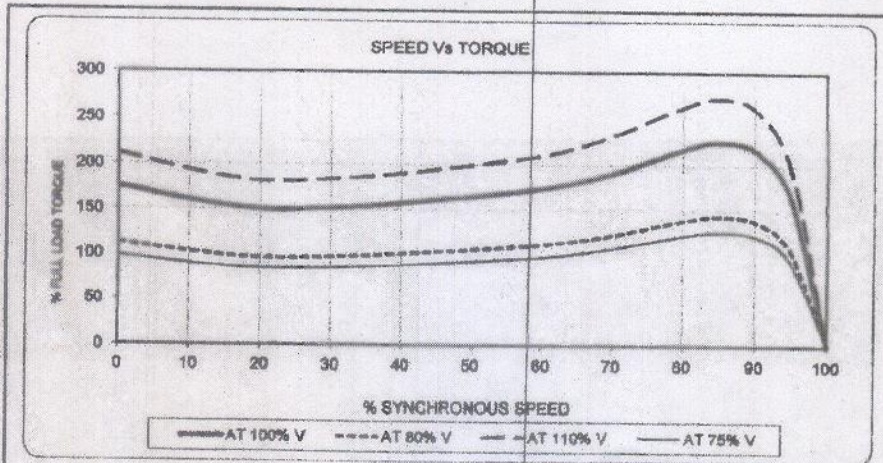
Purchaser	Sundyne Asia Japan Co. Ltd
Owner/User	Brahmaputra Cracker & Polymer Ltd.
Location	Lepetkata, India
P.O.#	BCPL/C&P/6907/MR-549
Model Type	LMV-311
Item #	143-PA-07 A/B
Service	Propylene Transfer
Serial No.	A1995277-12-13



CUSTOMER		SUNDYNE CORPORATION		KW	75
P.O. NO.		1823786 OP		FRAME	E280M
IND. NO.		0413549346/750		POLE	2
CLIENT:				TAG NO.	143-PM-07A, 143-PM-07B.
PROJECT:					
	NAME	DATE	Rev.		
DRN	PP	17-Oct-11	01		
CHD	SSH	17-Oct-11			
APPROVED	DNB	17-Oct-11			
Crompton Greaves Limited LT Motors Division Ahmednagar				TITLE THERMAL WITHSTAND TIME CURVE SC15/30/500	



Purchaser	Sundyne Asia Japan Co. Ltd
Owner/User:	Brahmaputra Cracker & Polymer Ltd.
Location:	Lepetkata, India
P.O.#:	BCPL/C&P/6907/MR-549
Model Type	LMV-311
Item #:	143-PA-07 A/B
Service:	Propylene Transfer
Serial No.:	A1995277-12-13



REVIEW CODE 1 2 3

समीक्षा कोड

Signature & Name

हस्ताक्षर एवं नाम

Date/दिनांक

v.p. No.

व.प.नं. 6907/ 6757

CUSTOMER	SUNDYNE CORPORATION	KW	75
P.O.NO	1523785 OP	FRAME	E280M
IND.NO	0413549349/700	POLE	2
CLIENT		TAG NO.	143-PM-07A, 143-PM-07B,
PROJECT:			
DRN	PP	DATE	17-Oct-11
CHD	SSN	DATE	17-Oct-11
APPROVED	DNB	DATE	17-Oct-11



Crompton Greaves Limited
LT Motors Division
Ahmednagar

TITLE
TORQUE SPEED CURVE
SC15/30/600

