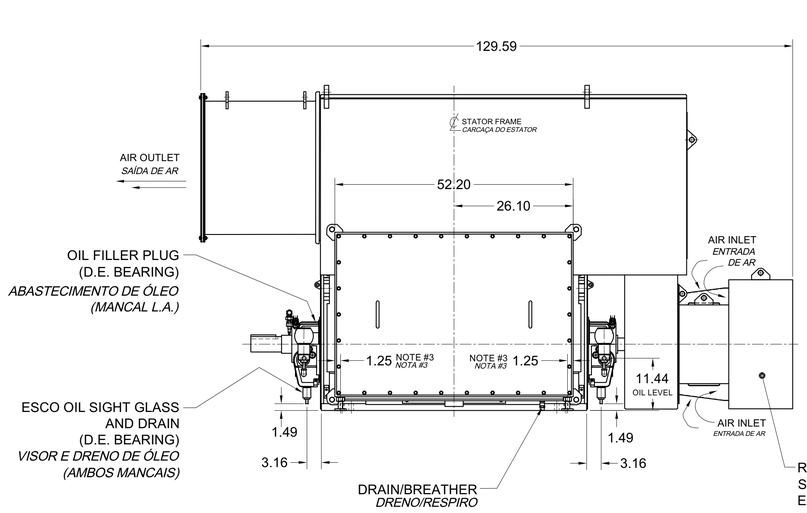
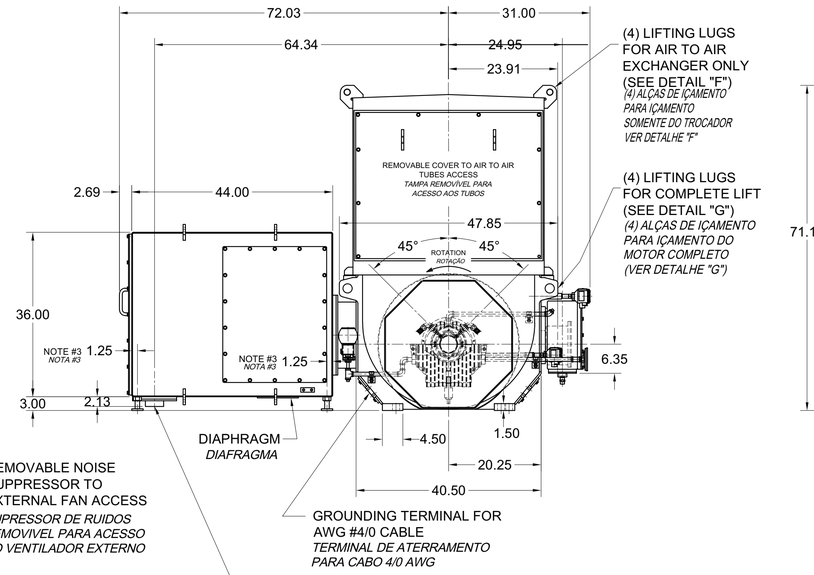
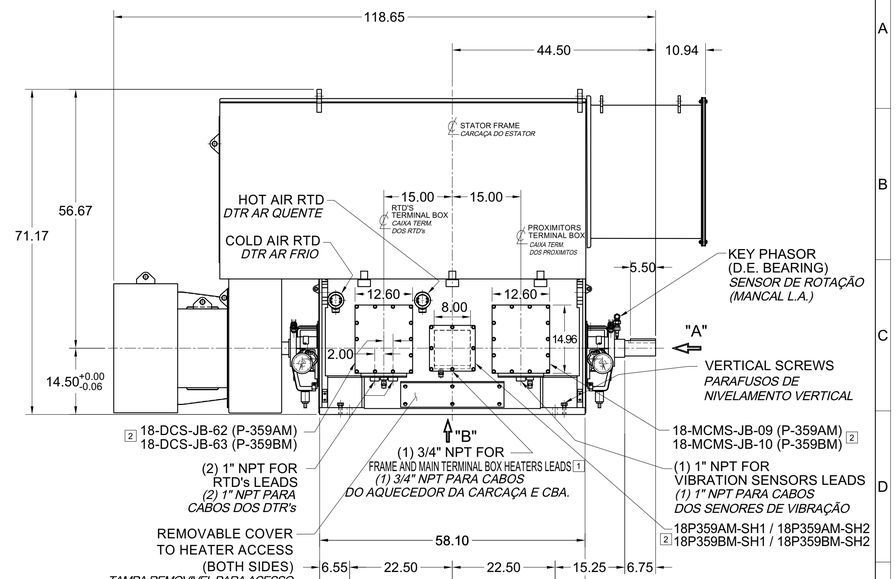
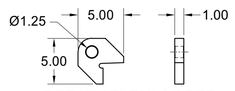


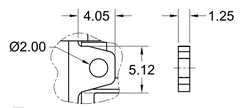




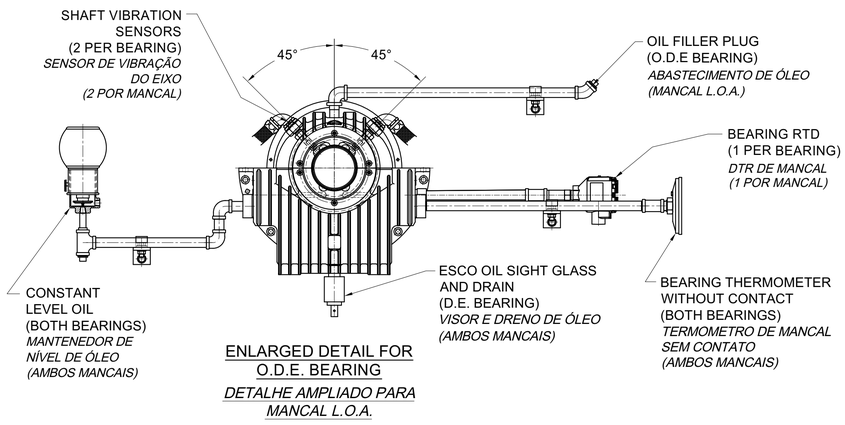
VIEW AT "B"
VISTA DE "B"



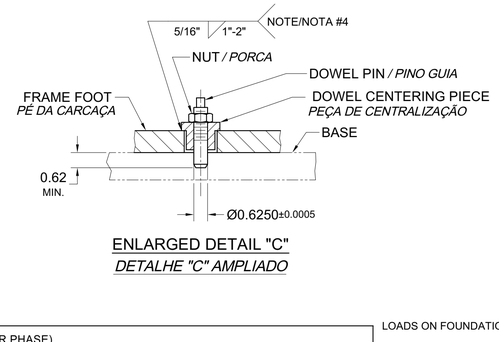
2 DETAIL "F" ENLARGED
DETALHE "F" AMPLIADO



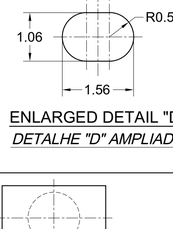
2 DETAIL "G" ENLARGED
DETALHE "G" AMPLIADO



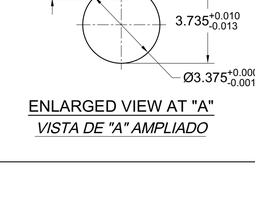
ENLARGED DETAIL FOR
O.D.E. BEARING
DETALHE AMPLIADO PARA
MANCAL L.O.A.



ENLARGED DETAIL "C"
DETALHE "C" AMPLIADO



ENLARGED DETAIL "D"
DETALHE "D" AMPLIADO



ENLARGED VIEW AT "A"
VISTA DE "A" AMPLIADO

NOTES

1- DIMENSIONS IN INCHES. */ DIMENSÕES EM POLEGADAS.*

2- BOTH BEARINGS ARE INSULATED AGAINST SHAFT CURRENTS.
ANY INSTRUMENT INSERTED INTO THIS BEARING MUST BE INSULATED.
DRIVE END BEARING IS GROUNDED THROUGH A COPPER WIRE CONNECTION.
AMBOS OS MANCAIS SÃO ISOLADOS PARA IMPEDIR A CIRCULAÇÃO DE CORRENTE ATRAVÉS DO EIXO.
QUALQUER INSTRUMENTO INSERIDO NESTES MANCAIS, DEVEM SER ISOLADOS.
O MANCAL L.A. É ATERRADO ATRAVÉS DE UMA CONEXÃO DE COBRE.

3- THE CONDUIT BOX SHOULD BE SUPPORTED ON THE FOUNDATIONS. USE THE INDICATED POINTS FOR THE SUPPORT.
A CAIXA PRINCIPAL DEVE SER SUPORTADA NA FUNDAÇÃO. USE OS PONTOS INDICADOS PARA SUPORTE.

4- AFTER FINISHING MOTOR INSTALLATION, ASSEMBLE DOWEL PIN AND CENTERING PIECE. WELD AS SHOWN.
APÓS A FINALIZAÇÃO DA INSTALAÇÃO DO MOTOR, MONTE O PINO E A PEÇA DE CENTRALIZAÇÃO.
SOLDAR COMO MOSTRADO.

5- STRAIGHT PART OF SHAFT = 6.66 INCHES. */ PARTE RETA DO EIXO = 6.66 POLEGADAS.*

6- TOTAL ROTOR END PLAY = 0.50 INCH.
LIMITED END-FLOAT COUPLING MUST BE APPLIED.
FOLGA AXIAL DO ROTOR = 0.50 POLEGADA.
ACOPLAMENTO LIMITADOR DE JOGO AXIAL DEVE SER UTILIZADO.

7- SPHERICAL SEAT SLEEVE BEARING. */ MANCAL DE BUCHA DE ASSENTO ESFÉRICO.*

8- BEARINGS ARE SELF-LUBRICATED. */ MANCAIS SÃO AUTO-LUBRIFICANTES.*

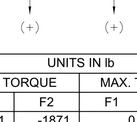
ACCESSORIES

- STATOR RTD´S: Pt 100 OHMS AT 0°C (3 PER PHASE).
DTR's DO ESTATOR: Pt 100 A 0°C (3 POR FASE).
- BEARING RTD´S: Pt 100 OHMS AT 0°C (DOUBLE - 1 PER BEARING).
DTR's DOS MANCAIS: Pt 100 A 0°C (DUPLO - 1 POR MANCAL).
- AIR COLD AND HOT RTD´S: Pt 100 OHMS AT 0°C (DOUBLE).
DTR's DE AR FRIO E QUENTE: Pt 100 A 0°C (DUPLO).
1 - FRAME SPACE HEATERS: 220W - 120V - 1 PHASE (LOW SHEATH).
AQUECEDOR DA CARCAÇA: 220W - 120V - MONOFÁSICO (BAIXA TEMPERATURA SUPERFICIAL).
1 - MAIN TERMINAL BOX SPACE HEATERS: 110W - 120V - 1 PHASE (LOW SHEATH)
AQUECEDOR DA CBA: 110W - 120V - MONOFÁSICO (BAIXA TEMPERATURA SUPERFICIAL)
- BENTLY NEVADA SHAFT VIBRATION PROBES (2 PER BEARING+1 KEYPHASOR).
SENSORES DE VIBRAÇÃO BENTLY NEVADA (2 POR MANCAL + SENSOR DE ROTAÇÃO).
- PROXIMITORS BENTLY NEVADA */ PROXIMITOR BENTLY NEVADA.*
- EXTENSION CABLES BENTLY NEVADA / *CABO DE EXTENSÃO BENTLY NEVADA.*
- PRESSURE RELIEF DIAPHRAGM ON MTB / *DIAFRAGMA DE ALÍVIO DE PRESSÃO NA CX. PRINCIPAL.*
- VERTICAL JACKING SCREWS / *PARAFUSOS DE NIVELAMENTO VERTICAL.*
- EXTERNAL HARDWARE MATERIAL SS316 / *PARAFUSOS, PORCAS E ARRUELAS EXTERNO SS316.*
- CONSTANT LEVEL OILER (1 PER BEARING) / *MANTENEDOR DE NIVEL DE OLEO (1 POR MANCAL).*
- BEARING THERMOMETER (1 PER BEARING) / *TERMOMETRO DE MANCAL (1 POR MANCAL).*
- ESCO HEX-DUTY OIL SIGHT GLASS MODEL DC-OSG3X500 (1 PER BEARING).
VISOR DE OLEO ESCO MODELO DC-OSG3X500 (1 POR MANCAL).

RATING

TYPE / *TIPO*	PK AF
FRAME / *CARCAÇA*	8212S
POLES / *PÓLOS*	2
POWER / *POTÊNCIA*	1250 HP
SPEED / *ROTAÇÃO*	3576 RPM (1500 - 3600 RPM ON ASD)
VOLTAGE / *TENSÃO*	4000 V
CURRENT / *CORRENTE*	155 A
FREQUENCY / *FREQUÊNCIA*	60 HZ
SERVICE FACTOR / *FATOR DE SERVIÇO*	1.00
ENCLOSURE / *PROTEÇÃO*	TEAAC (IP55)
BEARING - N.D.E. / *MANCAL L.O.A.*	RENK - EM-ZLB 9S-100 (SEE NOTES 7 AND 8) / *(VER NOTAS 7 E 8.)* 2
BEARING - D.E. / *MANCAL L.A.*	RENK - EM-ZLB 9S-100 (SEE NOTES 7 AND 8) / *(VER NOTAS 7 E 8.)* 2
LUBRICATION / *LUBRIFICAÇÃO*	ISO VG 32
ROTATION FACING ODE / *ROTAÇÃO OLHANDO POR L.O.A.*	CCW *(ANTI-HORÁRIO)*
DATA SHEET / *FOLHA DE DADOS*	DS2823140
ROTOR WEIGHT / *PESO APROXIMADO DO ROTOR*	1550 lbs ±10%
NET WEIGHT / *PESO APROXIMADO DO MOTOR*	13100 lbs ±10%

LOADS ON FOUNDATION



	UNITS IN lb			
	S. C. TORQUE		MAX. TORQUE	
	F1	F2	F1	F2
C.W.	14971	-1871	0	0
C.C.W.	-1871	14971	8652	4448

CENTER OF GRAVITY



POSIÇÃO / POSITION / UBICACIÓN	DIMENSÃO / DIMENSION / DIMENSIÓN
CG X	0.90"
CG Y	7.90"
CG Z	1.70"

CUSTOMER

FILE LR 1855622
US

SULZER ORDER NUMBER: 100462910-0060/0061
TAG NUMBER: 18-P-359AM / 18-P-359BM

2 NOTE / NOTA:
THIS MOTOR IS DESIGNED FOR USE ON A CLASS I, DIVISION 2, GROUP B, C & D, AREA. TEMPERATURE CODE T3. INSTALLATION OF MOTOR IN THIS LOCATION IS SUBJECT TO LOCAL AUTHORITY HAVING JURISDICTION.
ESTE MOTOR É DESIGNADO PARA USO NA CLASSE I, DIVISÃO 2, GRUPO DE AREA B, C & D. CÓDIGO DE TEMPERATURA T3. INSTALAÇÃO DO MOTOR NO LOCAL É RESPONSABILIDADE DA JURISDIÇÃO DA AUTORIDADE LOCAL.

REVISIONS

REV	CH. SEQ. - COORD	REVISION DESCRIPTION	NAME	DATE
2	0	REVISED WHERE INDICATED	SILVA V.	07/26/2023
1	J6	REVISED FRAME SPACE HEATER AND MAIN TERMINAL BOX SPACE HEATERS	SILVA V.	06/20/2023
0	0	INITIAL EMISSION SUBMISSION	RUBO C.	03/16/2023

REVISION HISTORY

GE POWER CONVERSION	CREATED ON 7-Mar-2023	TITLE OUTLINE - INDUCTION MOTOR - -	SHEET 001
	DESIGNER Carlos_Aparecido_Rubo		OF 001
SO 2823140	CHECKER Fernando_Henrique_Polezi	FMF_PK AF - 8212S - 2P - TEAAC	
RI 3219091	1° APPROVER Luciano_Manfrin	NUMBER: M82D105104	REV 2
REF -	2° APPROVER Luiz_Antonio_Lopes_Junior		
THIRD ANGLE PROJECTION	SCALE S/E		
DIMENSIONS IN: Inches			

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