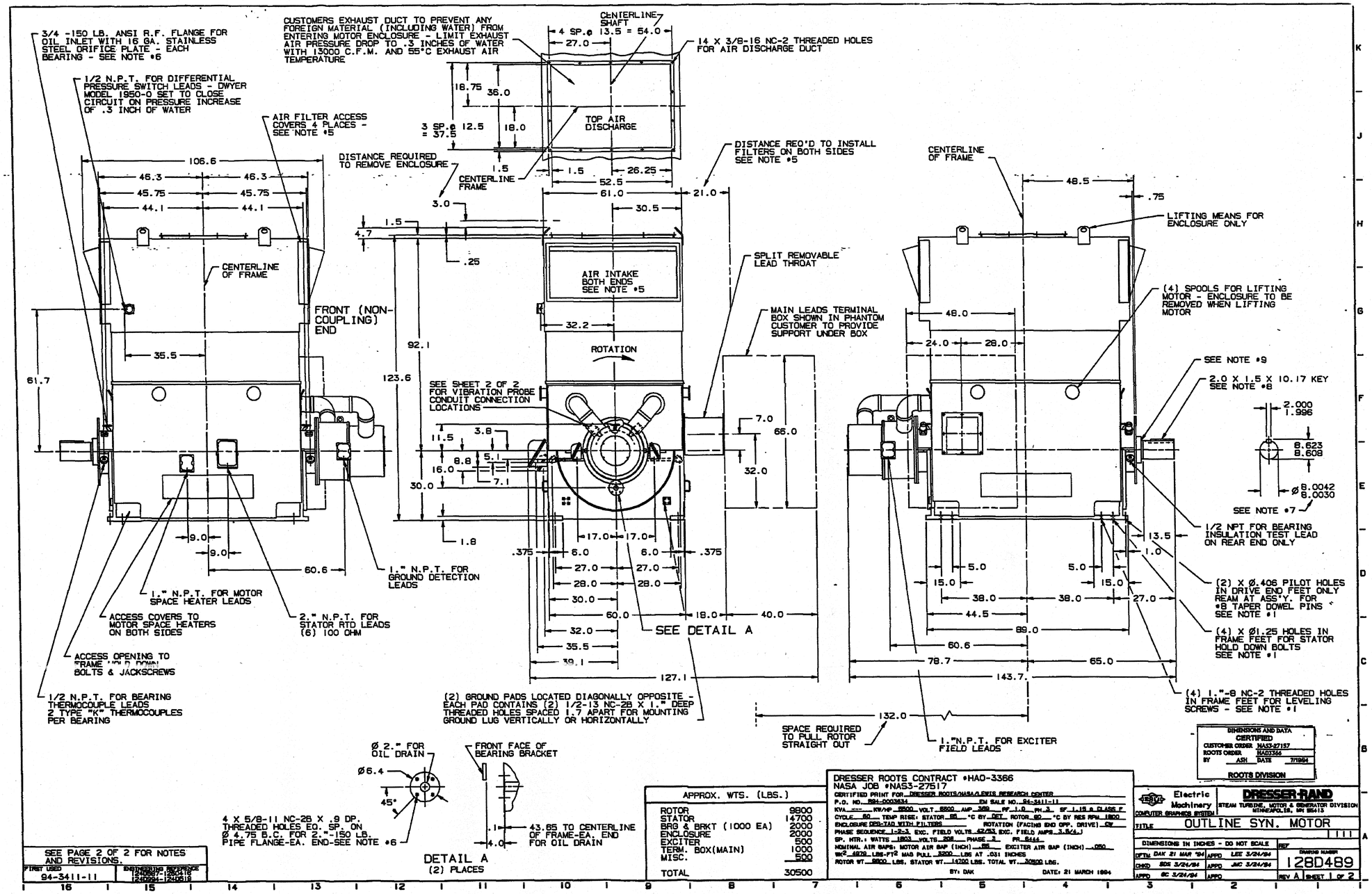
INFORMATION ONLY

PRELIMINARY DATA: DRAWING DETAILS ARE TO BE FIELD-VERIFIED



APPROX. WTS. (LBS.)	
ROTOR	9800
STATOR	14700
BRG & BRKT (1000 EA)	2000
ENCLOSURE	2000
EXCITER	500
TERM. BOX(MAIN)	1000
MISC.	500
TOTAL	30500

DRESSER ROOTS CONTRACT #HAO-3366
NASA JOB #NAS3-27517
CERTIFIED PRINT FOR DRESSER ROOTS/NASA/LEWIS RESEARCH CENTER
P.O. NO. R34-0003634 EM SALE NO. 94-3411-11
KVA ---- KW/HP 8500 VOLT 6600 AMP 369 PF 1.0 PH 3 SF 1.15 @ 51.456 F
CYCLE 60 TEMP RISE: STATOR 85 °C BY DET. ROTOR 80 °C BY RES RPM 1800
ENCLOSURE DPS-TAD WITH FILTERS ROTATION (FACING END OPP. DRIVE) CW
PHASE SEQUENCE 1-2-3 EXC. FIELD VOLTS 42/53 EXC. FIELD AMPS 3.5/4.1
SP. MTR.: WATTS 1803 VOLTS 208 PHASE 3 PR 8444
NOMINAL AIR GAPS: MOTOR AIR GAP (INCH) .85 EXCITER AIR GAP (INCH) .050
WK² 6828 LBS-FT² MAG PULL 8800 LBS AT .031 INCHES
ROTOR WT. 9800 LBS. STATOR WT. 14700 LBS. TOTAL WT. 30500 LBS.
BY: DAK DATE: 21 MARCH 1994

Electric Machinery — COMPUTER GRAPHICS SYSTEM
DRESSER-RAND — STEAM TURBINE, MOTOR & GENERATOR DIVISION MINNEAPOLIS, MN 55413

TITLE: OUTLINE SYN. MOTOR

DIMENSIONS IN INCHES - DO NOT SCALE

DFTM DAK 21 MAR '94	APPD LEE 3/24/94	REF	
CHKD BDS 3/24/94	APPD JAC 3/24/94	DRAWING NUMBER 128D489	
APPD BC 3/24/94	APPD	REV A	SHEET 1 OF 2

DIMENSIONS AND DATA CERTIFIED
CUSTOMER ORDER NAS3-27157
ROOTS ORDER HAO3366
BY ASH DATE 7/19/94
ROOTS DIVISION

SEE PAGE 2 OF 2 FOR NOTES AND REVISIONS.

FIRST USED	ENGINEERING REFERENCE
94-3411-11	1240687-1240418 1240994-1240618

GENERAL NOTES

1. FOR LIST OF REFERENCE DRAWINGS, SEE DRAWING CF-157900.

SYM	NO.	DESCRIPTION	APP/DATE

REVISIONS

UNLESS OTHERWISE SPECIFIED
.X DIM. MAY VARY ±
.XX DIM. MAY VARY ±
.XXX DIM. MAY VARY ±
ANGULAR DIM. MAY VARY ±
..... DIM. MAY VARY ±
BREAK SHARP EDGES .....

DR. GM	CK.	D.ENG. DAZ
PROJ. MGR.	F. BR. CH.	F. DIV. CH.
FAC/SYS.MGR.	E. BR. CH.	E. DIV. CH.
R. ENG.	R. BR. CH.	R. DIV. CH.

NASA LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

CONSTRUCTION OF THE 1250 PSIG COMB. AIR FACILITY BLDG. 38

COMPRESSOR C-6 MOTOR OUTLINES SHT. 2

SCALE NONE — CF 157935

REFERENCE — ELECTRICAL

OFFICIAL DATE 12/1/94

FILE: FILE:ASCR935 SCALE:1=NONE