

Westinghouse



TYPE# 38

MACHINE

G.O. 15898 CAR 2 MAX CAP 3500 LB.

F.P.M. 250 CABLES 6 GROOVE 5/8

GEAR 79:2 DATE MFD. 5-77

BRAKE PLUNGER STROKE $\frac{1}{8}$. DRAIN AND REFILL WORM GEAR HOUSING AT THE END OF THE FIRST TWO MONTHS OF OPERATION AND THEREAFTER AT ONE YEAR INTERVALS. WORM GEAR LUBRICANT—WEECO NO. 8 OIL

Westinghouse Electric Corp.

XID44

MADE IN U.S.A.

11/28/2011

Westinghouse®



TYPE#

MACHINE

6.0.15 898

CAR

2

MAX. CAP. 500

LB.

F.P.M.

30

CABLES

6

GROOVE

5/8

GEAR

7952

DATE MFD.

3-77

BRAKE PLUNGER STROKE $\frac{1}{8}$. DRAIN AND REFILL WORM GEAR HOUSING AT THE END OF THE FIRST TWO MONTHS OF OPERATION AND THEREAFTER AT ONE YEAR INTERVALS. WORM GEAR LUBRICANT—WEECO NO. 8 OIL

Westinghouse Electric Corp.

XID44

MADE IN U.S.A.

11/28/2011

Westinghouse



TYPE# 38

MACHINE

WJL 3838

Q/AR 2

WJW Q/AR 3500

474

E-1111

Q/AR 2

GRINDING

Q/AR 2

DATE W/TA 1-77

SHARP BLINDER SPINDLE IN CENTER AND REPELL WATER BEHIND
WASHER AT THE END OF THE FIRST TWO INDENTERS AT CENTER
AND OPERATED BY ONE YEAR INTERVALS WORK BEHIND
LUBRICANT—WEEK NO. 300

Westinghouse Electric Corp.

Q/AR

MAR 11 1977

11/28/2011

Westinghouse



TYPE# 38

MACHINE

C.O. 15898

CAR 2

MAX. CAP. 500 LB.

F.P.M. 20

CABLES 6

GROOVE 78

GEAR 78:2

DATE MFD. 5-77

BRAKE PLUNGER STROKE $\frac{1}{4}$ INCH DRAIN AND REFILL WORM GEAR HOUSING AT THE END OF THE FIRST TWO MONTHS OF OPERATION AND THEREAFTER AT ONE YEAR INTERVALS. WORM GEAR LUBRICANT - WELCO NO. 8 OIL

WESTINGHOUSE ELECTRIC CORP.

ALMA

MADE IN U.S.A.

11/28/2011



CAUTION
 USE SUPPLY WIRES
 RATED FOR AT LEAST 80°C
 ATTENTION
 EMPLOYER DES FILS
 D'ALUMINIUM
 #EQUATS POUR 80°C



REULAND		TYPE 0000	
REF. NO.	11-26333-1	FRANC	3210Y
REF. NO.	0400C-YBAN-0104	FRANC	3210Y
FR. 1	HE 50	FRANC	3210Y
FR. 2	HE 50	FRANC	3210Y
FR. 3	HE 50	FRANC	3210Y
FR. 4	HE 50	FRANC	3210Y
FR. 5	HE 50	FRANC	3210Y
FR. 6	HE 50	FRANC	3210Y
FR. 7	HE 50	FRANC	3210Y
FR. 8	HE 50	FRANC	3210Y
FR. 9	HE 50	FRANC	3210Y
FR. 10	HE 50	FRANC	3210Y
FR. 11	HE 50	FRANC	3210Y
FR. 12	HE 50	FRANC	3210Y
FR. 13	HE 50	FRANC	3210Y
FR. 14	HE 50	FRANC	3210Y
FR. 15	HE 50	FRANC	3210Y
FR. 16	HE 50	FRANC	3210Y
FR. 17	HE 50	FRANC	3210Y
FR. 18	HE 50	FRANC	3210Y
FR. 19	HE 50	FRANC	3210Y
FR. 20	HE 50	FRANC	3210Y
FR. 21	HE 50	FRANC	3210Y
FR. 22	HE 50	FRANC	3210Y
FR. 23	HE 50	FRANC	3210Y
FR. 24	HE 50	FRANC	3210Y
FR. 25	HE 50	FRANC	3210Y
FR. 26	HE 50	FRANC	3210Y
FR. 27	HE 50	FRANC	3210Y
FR. 28	HE 50	FRANC	3210Y
FR. 29	HE 50	FRANC	3210Y
FR. 30	HE 50	FRANC	3210Y
FR. 31	HE 50	FRANC	3210Y
FR. 32	HE 50	FRANC	3210Y
FR. 33	HE 50	FRANC	3210Y
FR. 34	HE 50	FRANC	3210Y
FR. 35	HE 50	FRANC	3210Y
FR. 36	HE 50	FRANC	3210Y
FR. 37	HE 50	FRANC	3210Y
FR. 38	HE 50	FRANC	3210Y
FR. 39	HE 50	FRANC	3210Y
FR. 40	HE 50	FRANC	3210Y
FR. 41	HE 50	FRANC	3210Y
FR. 42	HE 50	FRANC	3210Y
FR. 43	HE 50	FRANC	3210Y
FR. 44	HE 50	FRANC	3210Y
FR. 45	HE 50	FRANC	3210Y
FR. 46	HE 50	FRANC	3210Y
FR. 47	HE 50	FRANC	3210Y
FR. 48	HE 50	FRANC	3210Y
FR. 49	HE 50	FRANC	3210Y
FR. 50	HE 50	FRANC	3210Y

11/28/2011



REULAND
 11-2548R-1
 TYPE C800
 40 C

REULAND
 11-2548R-1
 TYPE C800
 40 C

REULAND 

MODEL	11-2548R-1	TYPE	C800
FILE NO.	0400C-2143-0105	FRAME	12407
3	50	ENCL	VENT
40		FLA	33.2
1300 EFF.	AVR	INS. SYS.	H
500 OPERATING	50 POLES	D.E BRG	S311
WEP		H.O.E BRG	S312
TECH SENSOR	CONTACT SPECIFIC RATINGS	NKT-30-1A	
C0133		PP	33
	1750	FLA	35
			60/155

INVENTOR: CA
 11/28/2011

11/28/2011

ATTENTION
 COMPLETELY DE-ENERGIZED
 BY DISCONNECTING
 ALL QUATS FROM 90°C

CAUTION



FOR THE SAFE LIFTING OF
 REULAND ELECTRIC PRODUCTS
 THE ANGLE BETWEEN THE EYE-
 BOLTS AND THE LOADING FORCE
 MUST NOT EXCEED 40° AS
 SHOWN ABOVE AND THE LOAD
 SHOULD BE LIFTED SMOOTHLY.

NOTE
 RESULTS FOR LIFTING WEIGHT
 OF REULAND MOTOR OR MOTOR
 REDUCER ONLY. DO NOT USE IF
 MOTOR IS MOUNTED TO OTHER
 EQUIPMENT.

P-57

REULAND		TYPE	
SER. NO.		TYPE	
PROD. NO.		FRAME	
PH	HZ	ENCL.	CODE
HP		FLA	INS. SYS.
RPM	STYLE	D.E. BRG.	
VOLTS	TIME RATING	N.D.E. BRG.	
OTIS PART NUMBER			
TEMP. TENSOR CONTRACT SPECIFIC RATINGS			
MACHINE NO.		HP	
HZ	RPM	FLA	
LR14556			
REULAND ELECTRIC	INDUSTRY, CA	BD-155	HOWELL, MI



11/28/2011

REULAND
TYPE 5000
MAY 49 5

REULAND
TYPE 5000
MAY 49 5

REULAND 

TYPE	5000
FRM NO	49000-71
FRM NO	49000-7100-0100
HP	50
AC	50
FRAME	23501
ENCL	7511 CODE
HP	50
INS. SYS.	W
FLA	77.5
STYLE	177
D.E. BRG.	5213
POLES	4
N.D.E. BRG.	5300
TIME RATING	50
CONTRACT SPECIFIC RATINGS	177-3021A
MACHINE NO	50137
HP	23
AC	50
EPM	1750
FLA	23.5
INDUSTRY, CA	80-155
HOWELL, MI	



11/28/2011



11/28/2011

Westinghouse



Life-Line

DIRECT CURRENT MOTOR

HP	RPM	VOLTS	AMPS
ANPS	DEG. C. RISE	DUTY	
WINDING	NO. OF	NO. OF	
PER FACTOR	ENCLOSURE	FRAME	
TYPE			
ARE STYLE	NO. END	COMM. END	
TYPE	SERIAL	DESIGN	



11/28/2011



11/28/2011



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Westinghouse



HUNTINGTON POWER

- SHELTON, CT 203-929-3203
- SOUTH WINDSOR, CT 860-289-8790
- BOHEMIA, NY 631-563-4943

*24 HR EMERGENCY GENERATOR &
TRANSFER SWITCH SERVICE*

11/28/2011



Westinghouse

HPE

HUNTINGTON POWER

- SHELTON, CT 203-929-3203
- SOUTH WINDSOR, CT 860-289-8790
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*24 HR EMERGENCY GENERATOR &
TRANSFER SWITCH SERVICE*

11/28/2011

USE COPPER WIRE ONLY EXCEPT AT TERMINALS

Westinghouse Electric Corporation

223P473401

MADE IN U.S.A.

THIS DEVICE IS SUITABLE FOR USE ON
A CIRCUIT WITH MAXIMUM AVAILABLE
SHORT CIRCUIT CURRENT, PER THIS TABLE:

VOLTS MAX.	RMS SYMMETRICAL AMPS.
240	42,000
480	30,000
600	22,000

EXCEPT WHEN USED WITH 500 AMPERE MAXIMUM
CLASS J-K5 FUSES, IT IS SUITABLE FOR USE ON
A CIRCUIT CAPABLE OF DELIVERING NOT MORE
THAN 100,000 RMS SYMMETRICAL AMPERES,
600 VOLTS MAXIMUM.

228P850H04B

11/28/2011

WARNING-

TO ENSURE AGAINST SHOCK OR ACCIDENT HAZARD, DISCONNECT ALL SOURCES OF SUPPLY BEFORE SERVICING.

MANUAL OPERATION

1. ISOLATE MOTOR CIRCUIT BEFORE OPENING
2. WHEN ARROW ON HANDLE POINTS TO — * — BOTH BREAKERS ARE OFF. (CAUTION: CHECK TO SEE THAT BOTH BREAKERS ARE OFF)



EMERGENCY

MADE IN U.S.A.

11/28/2011

SUITABLE FOR CONTROL OF MOTORS, ELECTRIC DISCHARGE LAMPS TUNGSTEN FILAMENT LAMPS & ELECTRIC HEATING EQUIPMENT WHERE THE SUM OF MOTOR FULL-LOAD AMPERE RATINGS AND THE AMPERE RATINGS OF OTHER LOADS DO NOT EXCEED THE AMPERE RATING OF THE SWITCH AND THE TUNGSTEN LOAD DOES NOT EXCEED 30% OF THE SWITCH RATING.

TRANSFER TO ALTERNATE SUPPLY OCCURS WHEN NORMAL SUPPLY VOLTAGE DROPS TO 70%.

THIS SWITCH IF PROVIDED WITH A TIME DELAY RELAY WILL DELAY TIME IN TRANSFERRING FROM EMERGENCY TO NORMAL. ADJUSTABLE FROM 0 ^{MIN} TO 5 ^{MIN} FACTORY SETTING IS MINIMUM.

THIS SWITCH IF PROVIDED WITH A TIME DELAY RELAY WILL DELAY TIME IN TRANSFERRING FROM NORMAL TO EMERGENCY. ADJUSTABLE FROM ^{SEC} MIN TO ^{SEC} MIN FACTORY SETTING IS MINIMUM.

TRANSFER TO THE ALTERNATE SUPPLY WILL OCCUR WHEN FREQUENCY REACHES 58 HZ IF FREQUENCY RELAY IS PROVIDED.

SYSTEMS SHALL BE TESTED PERIODICALLY ON A SCHEDULE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION TO ASSURE THEIR MAINTENANCE IN PROPER OPERATING CONDITION.

223P470H01C

CAUTION: WHEN SELECTOR SWITCH IS IN THE OFF POSITION, TRANSFER SWITCH WILL NOT OPERATE.

11/28/2011

NORMAL

WARNING:
BEWARE AGAINST SHOCK OR
FIRE HAZARD. DISCONNECT
ALL SOURCES OF SUPPLY BEFORE
SERVICING.

MANUAL OPERATION

1. ISOLATE MOTOR CIRCUIT
BEFORE TURNING HANDLE.
2. WHEN ARROW ON HANDLE
POINTS TO * BOTH
BREAKERS ARE OFF.
(CAUTION: CHECK TO
SEE THAT BOTH
BREAKERS ARE OFF)

TO ISOLATE TRANSFER
MOTOR CIRCUIT REMOVE
MOTOR FUSE

147P569H01 G

AGENCY

MADE IN U.S.A.

11/28/2011

T2

T2

T2

T3

TRW CRESCENT CRESKENE (UL)



Westinghouse
AUTOMATIC TRANSFER SWITCH
Style No. 61E8976

Volt	120/208	Pole	3	Hertz	60
Amp	400	Phase	3	Wire	4

228P906H01



11/28/2011

1 2 3
1 1
RW BLE
↻



11/28/2011



11/28/2011



11/28/2011

JOHN DEERE

166AF-00 022984RG

POWER TAKE OFF
JOHN DEERE ENGINE WORKS
DEERE & COMPANY, Moline, IL

11/28/2011

CONSOLIDATED
POWER, INC.

ELECTRIC SET

MODEL NO. 130 0971
UNIT SPEC. NO. 022984
ENGINE MODEL NO. 6466 A1
SERIAL NO. 8724

BRUSHLESS SYNCHRONOUS
GENERATOR

SERIAL NO. ED 94406

KW 12.5
KVA 156.25
VOLTS 120/208
PHASES 433
RPM 1800
HZ 60
EFF. 80
PF 0.8

CONSOLIDATED POWER, INC.
100 WASHINGTON STREET
BOSTON, MASSACHUSETTS 02114

11/28/2011

CONSOLIDATED
POWER, INC.

ELECTRIC SET

MODEL NO. 130 D9T1
S/N 022984
MFG. WORK. NO. 8466 A1
REV. 8724

BRUSHLESS SYNCHRONOUS
GENERATOR

TYPE NO. EP 84406
VOLTAGE 105
KVA 1500A
100/200
433
1800
2
0.0
0.8

11/28/2011



11/28/2011



Specifications

SPECIFICATION	UNIT OF MEASURE	400 SERIES ENGINES			
		6404D	6404T	6404A	6464A
Number of cylinders		6	6	6	6
Fuel		Diesel	Diesel	Diesel	Diesel
Bore	in. (mm)	4.25 (108)	4.25 (108)	4.25 (108)	4.50 (116)
Stroke	in. (mm)	4.75 (121)	4.75 (121)	4.75 (121)	4.75 (121)
Displacement	cu. in. (l)	404 (6.62)	404 (6.62)	404 (6.62)	466 (7.64)
Compression ratio		16.3:1	15.5:1	15.5:1	15.5:1
Valve clearance					
Intake	in. (mm)	0.018 (0.46)	0.018 (0.46)	0.018 (0.46)	0.018 (0.46)
Exhaust	in. (mm)	0.028 (0.71)	0.028 (0.71)	0.028 (0.71)	0.028 (0.71)
Rated speed	RPM	2200	2200	2200	2100
HP (intermittent) = RS, w/o fan	HP (kW)	112 (84)	140 (104)	177 (132)	224 (167)
HP (continuous) = RS, w/o fan	HP (kW)	100 (75)	118 (88)	150 (112)	190 (142)
Normal working range	RPM	1500-2500	1500-2200	1500-2200	1500-2100
Low idle	RPM	800	800	800	800
Torque @ RPM (max.) w/o fan	ft-lbs (Nm)	290 (393) @ 1500	355 (481) @ 1400	479 (649) @ 1600	668 (906) @ 1400
Basic Weight	lb. (kg)	1550 (703)	1670 (768)	1690 (767)	1800 (816)
Dimensions:					
Width	in. (mm)	20.18 (512.5)	20.20 (513.1)	21.56 (547.5)	22.00 (559)
Height	in. (mm)	40.12 (1019)	45.57 (1157.4)	48.67 (1233.5)	48.55 (1233)
Oil capacity with filter change	qt. (l)	19 (18)	19 (18)	19 (18)	22 (21)

11/28/2011

OM

**Operator's
Manual**

**John Deere
400 and 500 Series
Engines**

*400-500
11/10/11*

**OM-R65846
Issue B7**



Engines for the Original Equipment Market

11/28/2011

SWITCH-FLIGHT



HUNTINGTON POWER
 • BRIDGEVILLE, CT
 • SOUTH BRIDGEVILLE, CT
 • BOWEN, WY
 800-828-2202
 866-299-8790
 817-863-4943
 24 HR EMERGENCY GENERATOR &
 TRANSFER SWITCH SERVICE

LIMITS AUTO MAN OFF

VOLTAGE ADJUST HIGH WATER TEMP. LOW OIL PRESS. OVERSPEED OVERCRANK LOW WATER TEMP.

11/28/2011

MARATHON
***MECOñ** GENERATOR
Installation, Operation
and Maintenance Manual

MARATHON
ENERGY
CONVERTER



 **MARATHON**
ELECTRIC

11/28/2011

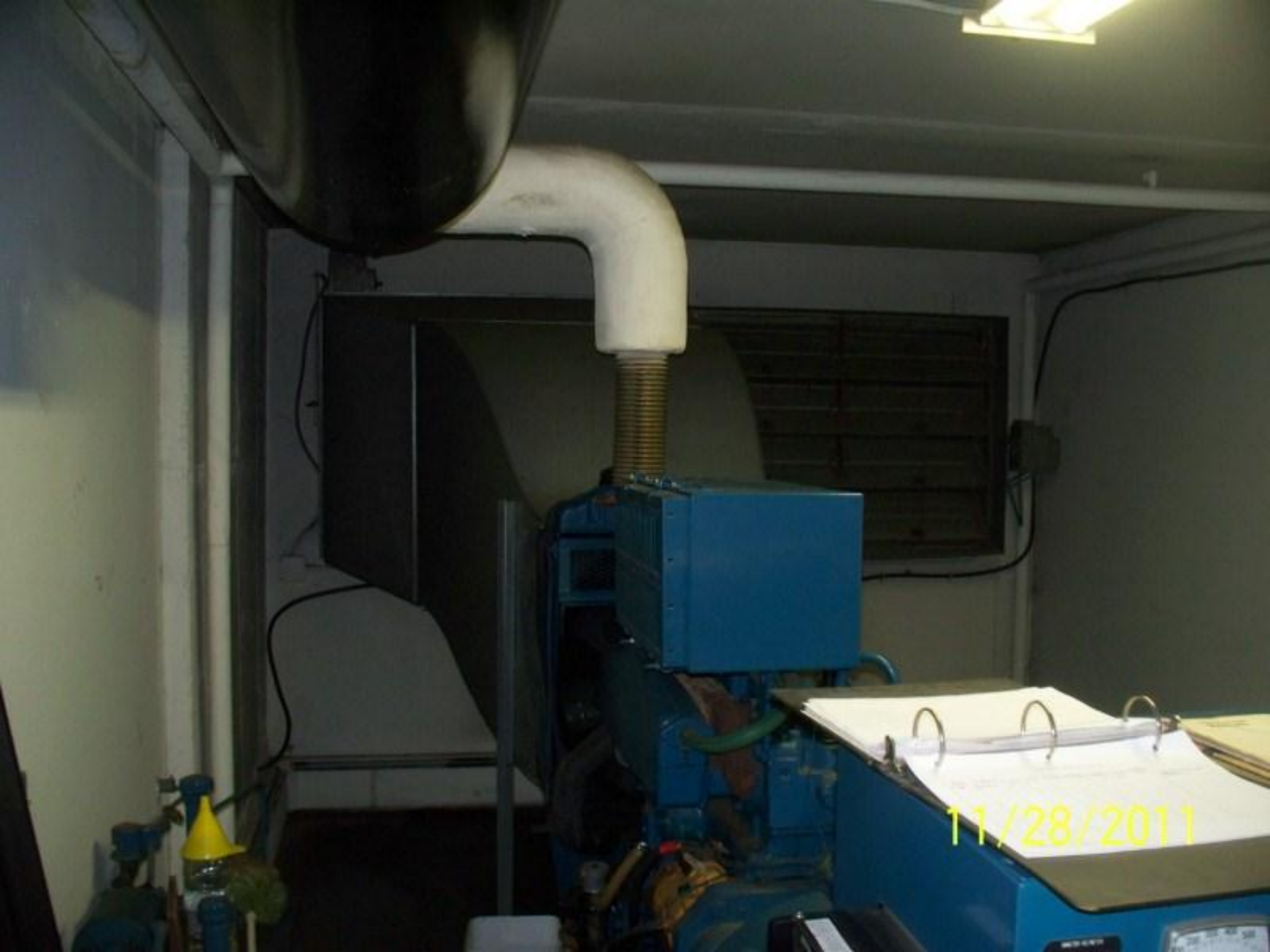


11/28/2011



HUNTINGTON POWER
203-329-3282
203-298-8790
212-363-4942
• SHELTON, CT
• WALLINGFORD, CT
• SCHENECTADY, NY
50 HP FERRISS W/ GENERATOR &
TRANSFER SWITCH ASSEMBLY

11/28/2011



11/28/2011