

Katolight Stock File _____ Date 8-26-96 Sales Ron Engr. DAVE 9-5-96
 SOLD TO FM EMERGENCY GEN Job MILLIPORE CORP
 QUANTITY 1 MODEL D400FR24 K.L. NO. F-44005
 GEN.:PN 53269 FCU 5 Opt. 01 Sub:CUST. 3 REP/DIST _____ K.L. 1
 Code 572RSL4024 Temp. Rise 105° Record Sub: _____ Date _____
 KW 400 KVA 500 REGULATOR:Mfg. PMG Model DVR2000
 Overload Cap. _____ %Hours _____ Regulation _____ Type _____
 RPM 1800 Freq. 60 P.F. .8 RFI Shield _____ Volts per Hertz _____
 Voltage 277/480 Phase (1)(3)(DC) _____ Cross Current Comp _____ Auto Manual _____
 Leads 3 @ 12 () Conn. (1PH) (Wye) (Delta) (DC) Notes: _____
 SAE 0 FLYWHEEL 18

CONTROL PANEL: PARENT NO. 90038
 Type: Unit Mtg. _____ Wall Mtg. _____ Free Stgd. _____ NEMA 1
 STD. Back _____ RSEG _____ LSEG _____
 STB 40 STD 45 STD 50 STOCK CUSTOM
 Unit Wiring Dwgs. AC 819-B-5510
 DC 819-B-6169
 PP 819-B-6170

NEMA 12 PANEL FACET
 Door Dwg. 804-472 PN 55301 FCP 1 Opt. 00

ENGINE CONTROL:
 Model KASSEC Voltage (12)(24) 90187
 Cyclic Crank _____ Non-Cyclic _____ FCP 2 Opt. 00

Relay (Function) AUX FCP 3 Opt. 21
- 24V 2P RELAY - 45532

Misc. Elect _____ FCP 4 Opt. 00
 Gauges: (OP) (WT) (BCAM) (RTM) (OTHERS) _____
 Engine Mtd. Panel Mtd.

METERS:
 Size 3/2 _____ 2%
 AM 0-800 40311 FCP 5 Opt. 39
 VM DUAL 47004 FCP 6 Opt. 03
 FM 55-65HZ 42703 FCP 7 Opt. 00
 SELECTOR SWITCHES: _____ FCP 8 Opt. 00

AM _____
 VM _____
 VM/AM 35054

TRANSFORMERS:
3 CT 800'S 41711
 PT _____ FCP 9 Opt. 00
 Power _____

Rodent Proof Panel _____

Regulator Rheostat _____ FCP 10 Opt. 00
 Control Panel Mounted Outlet Box Std.
 ENGINE CONTROL: sw(3) (M) 4634 FCP 11 Opt. 00

Bell/Horn/Buzzer _____ FCP 12 Opt. 01
 Alarm SW. _____
 O.S. Elect. 5M124 PN 35083 FCP 13 Opt. 00
 #LEDs 4 PN 37523 FCP 14 Opt. 00
 Panel Lights _____ FCP 15 Opt. 00
 Panel Light Sw. _____
 Leak Lite _____
 Low Water Level Shutdown Parallel HWT
 Emergency Stop P.B. _____

ANNUNCIATOR PANEL: PARENT NO. _____
 NFPA-76 Flush _____ Surface _____ FCP 1 Opt. _____
 Alarm Panel _____
 Dwg. No. _____ PN _____

12 LIGHT ANNUNCIATOR PNL-NFPA-110 Flush Mtd. Surface Mtd
 16 LIGHT ANNUNCIATOR PNL-Coaxial Cable P.N. _____

- | | |
|--|---|
| <input type="checkbox"/> low battery voltage light | <input type="checkbox"/> yes, no sender included |
| <input type="checkbox"/> charger malfunction | <input type="checkbox"/> yes, no sender included |
| <input type="checkbox"/> high engine temp. light | <input type="checkbox"/> sender standard |
| <input type="checkbox"/> low oil pressure light | <input type="checkbox"/> sender standard |
| <input type="checkbox"/> engine overspeed | <input type="checkbox"/> sender standard |
| <input type="checkbox"/> engine overcrank | <input type="checkbox"/> sender standard |
| <input type="checkbox"/> EPS supplying load | <input type="checkbox"/> add auxiliary contact to ATS |
| <input type="checkbox"/> low water temperature | <input type="checkbox"/> yes, no sender included |
| <input type="checkbox"/> high engine temperatur prealarm | <input type="checkbox"/> yes, no sender included |
| <input type="checkbox"/> low oil pressure prealarm | <input type="checkbox"/> yes, no sender included |
| <input type="checkbox"/> low fuel | <input type="checkbox"/> yes, no sender included |
| <input type="checkbox"/> unit not in auto | <input type="checkbox"/> yes, no sender included |
| <input type="checkbox"/> spare _____ | <input type="checkbox"/> spare _____ |
| <input type="checkbox"/> spare _____ | <input type="checkbox"/> spare _____ |

COMPLETE UNIT PARENT NO. 700024
 Dimensional 104-006
 Base PN 59019 FCU 1 Opt. 05
 Base Dwg 102-1752-A Formed OPU
 Formed HSD

Model No. D400FR24

COOLING: FCU 2 Opt. 02
 Type (Unit Mtd)(Remote)(Heat Exch)(City Water)(Air Cooled)
 Ambient Temp _____ Elev _____
 Fan Guard STD w/ ENG. PN _____
 Duct Flange Dwg. _____ PN _____
 Belt Guard Dwg. _____ PN _____
 Antifreeze: Quantity _____ PN _____
 Ship-Wet _____ Loose _____

RADIATOR:Mfg _____ PN 49152 Std w/eng.
 Model D-004

HEAT EXCHANGER/CITY OR (RAW WATER)
 Drawing No. _____
 Heat Exch _____
 Surge Tank _____
 Thermo Valve _____
 Sol Valve _____
 Man Valve _____

WATER FLEX:Mfg _____
 (Neoprene) (Bronze) _____ PN _____

FUEL SYSTEM: FCU 3 Opt. 00
 Type (Diesel) (Gasoline) (Nat Gas) (LP Vapor) (LP Liquid)
 Vapor Fuel Pressure
 Flex Mfg. STD 9" SUPPLY & RETURN
 (Neoprene) (Stainless Steel) _____ PN _____
 Sol. Valve _____ Volts _____ NPT (NC)(NO)
 Mfg. _____ PN _____
 Carb _____ Dwg. _____
 Regulator (Secondary) _____ PN _____
 Adaptor _____
 Fuel Strainer _____
 Fuel Filter _____
 Fuel Pump _____
 Fuel/Water Separator (Mtd.) (Loose) _____

FUEL STORAGE TANK: _____ gallons
 Type (Base Mtd)(Abvegmd)(Trailer)(Subbase)(Rupt. Bsn.)
 Mfg. _____ PN _____ Model _____
 Dwg. No. _____
 Fuel Gauge _____ PN _____
 Fittings Vent Fill Supply Return Foot Valve
 UL 142 Listed _____
 Leak Detector Contacts _____ PN _____
 Check Valve _____ PN _____
 Low Level Switch _____ PN _____

FUEL DAY TANK: _____ Gallons
 Mfg. _____
 Model _____
 Mounting: On Unit _____ Loose _____ Other _____
 Pump Con Sw _____
 Low Fuel Alm Sw _____
 High Fuel Alm Sw _____
 Fuel Gauge _____
 Sight Glass _____

FUEL TRANSFER PUMP: _____ Mfg _____ PN _____
 Pump Model _____
 Motor Mfg _____
 Voltage _____ PH _____ HP _____ GPM _____ Lift Ft. _____

Hand Pump _____
 Model _____ PN _____

ENGINE:PN 49938 FCU 4 Opt. 01
 Model KTA19G2
 Spec _____
 RPM 1800 Adaptor 0 Flywheel 18

FLOAT TANK - 42434
 GOVERNOR:Mfg. BARBER COLMAN Std. with Eng
 Model EFC PN _____
 Control _____
 Actuator _____
 Type (Mech) (Hyd) (Isochronous) (Electric)

LUBE SYSTEM: Mfg Std Mil-F-20707

Lube filter _____
 Lube strainer _____
 Diff press sw _____
 Oil drain extension Dwg. _____

Lube Oil: Quantity _____ PN _____
 Ship: Wet Loose _____ Viscosity _____

ELECTRICAL SYSTEM: (24) VDC

Ignition (Distr.) (Magneto) (RFI Shielding) _____
 Battery Charging Alternator Std. with Engine
 Start Sol. (24) Volt PN 46001

AIR CLEANER: Std. with Engine

Element AN135C 40123
 Brackets Dwg. BB135 40124
 Connection _____

EXHAUST: Std. with Eng. FCU 6 Opt. 06

Manifold (dry) (wet) _____ Size 61469 - MANIFOLD
 Header Dwg. _____ PN 61468 - TURBO

TURBO & MANIFOLD INSULATION 61467 - TURBO ELBOW

MUFFLER: PN 61058 Model JCS 6" S SP

Model (Industrial) (Res.) (Critical) Quantity ONE
 Connection: (Threaded) (Flanged) (Clamped)
 Housing Mounted _____ Ship Loose _____

Mtg. Brackets Dwg. 105-179 PN 40718

Rain Cap Size (Vertical) _____ PN _____
 Rain Cap (Horizontal) _____ PN _____

Tailpipe: _____

Flange WELD QTY 1 PN 42660

Gasket 6" QTY 2 PN 49273

Coupling _____ QTY _____ PN _____

Tubing 6" OD LENGTH 1' PN 44375

Pipe Nipple _____ QTY _____ PN _____

Elbow: Tube Pipe _____ PN _____

Nuts, Bolts and Washers _____

EXHAUST FLEX: Dwg. 204-279 PN 42634

Size 5 1/2" SLV TO 6" FLG

STARTING ACCESSORIES: FCU 7 Opt. 00

Battery (Lead Acid) (Nicad) (Lead Calcium) _____

Type _____ PN _____

VDC _____ Rating (CCA)(AH)

Battery (Rack) (Box) 49683

Type (Unit Mtg) (Floor Mtg) (Console) (Loose)

Battery Cables AS NEEDED

~~Acid~~ (No Acid)

STARTING AIDS: FCU 8 Opt. 01

Water Heater _____ Phillips _____ KIM _____ Other _____

Model UH30 PN 43203

Watts 3000 Volts 120

Fixed Thermostat Adjustable Thermostat 59T

Thermostat 90°F PN 46700

Wired to Terminal Strip Not Wired

Oil Heater _____

Model _____ PN _____

Watts _____ Volts _____

Wired to Terminal Strip Not Wired

Thermostat _____ PN _____

VIBRATION ISOLATORS: FCU 9 Opt. 01

Type (Pad) (Spring) _____ Quantity: 6

Model 2 1/2 X 1 8 PN 46907

Mounted between unit and base

Loose

Mounted between unit and tank

BATTERY CHARGER: FCU 10 Opt. 00

Model _____ PN _____

Type (Trickle) (Automatic) (2 Rate Auto) (Auto Float) _____

Amp _____ VDC _____ VAC _____

Battery Type (Lead Acid) (Nicad) _____

Loose Mounted & DC Wired AC Wired to Terminal Strip

GAUGES: FCU 11 Opt. 00

Engine Mounting _____ Panel Mounting _____

Panel No. Dwg. _____ PN _____

Gauge Size _____

Water Temp 100-240°F PN 45974

Oil Press 0-100 PSI PN 42919

Ammeter 60-0-60 PN 40315

Hourmeter 0-9999.9 PN 45800

Fuel Press _____ PN _____

Lube Temp _____ PN _____

Tach Elec/Mech _____ PN _____

Water Sender _____ PN 45973

Oil Sender _____ PN 45900

HOUSING _____ Open Power Unit _____ FCU 12 Opt. 00

(Weatherproof) (Weatherprotective)

Housing: Dwg. 104-006/100-722-7 PN 43542

Intake Louvers 68HX40WX4D PN 43543

Exh Louver _____ PN _____

Sound Attenuated 1" FOAM INSULATION PN 43586 (2505)

Sound Hoods (Intake) (Exhaust) _____

SCOOP EXHAUST - 49193 105-1013

SCOOP INTAKE - 49194 105-1014

TRAILER: _____ FCU 13 Opt. 00
 2 Wheel _____ 4 Wheel Tandem _____
 Dwg. _____ PN _____
 Swivel Wheel & Jack _____ Stabilizing Jack _____
 Towing Ring _____ Ball Size: _____
 Hydraulic Brakes _____ Electric Brakes: _____

SAFETY SWITCHES: _____ FCU 15 Opt. 01
 Water Shutdown Sw M-1A-225 PN 46114
 P.S.D. Switch _____ PN _____
~~Low Water Level~~ _____ PN _____
 Low Water Temp _____ PN _____

Oil Shutdown Switch SM-2L-15F PN 46115
 Preshutdown _____ PN _____
 OS Switch SM124 PN 35083

BREAKERS: _____ FCU 14 Opt. 00
 Gen Mtg. _____ Ship Loose _____
 Mainline 3 Pole _____ VAC 600 Amp _____
 Model TJK636600WL PN 41171
 Shunt Trip TJKSTA8
 Aux Switch(es) _____
 Enclosure Nema 1, 3R, 12 _____
 Model TJ600S PN 44984

TRANSFER SWITCH: Mfg. ASCO
 Model 3003600C SN F866438001
 Accessories Group 9
 Type (Open) (Enclosure) NEMA 1
 Mounting (Wall) (Free Stgd) _____
 Phase 3 Volts 277/480 Amps 600
 Delay to Start _____ Range _____
 Delay to Normal _____ Range _____
 3-POLE

Qty. _____ 3561.84
 Delay to Emerg: _____ Range _____
 Delay to Stop _____ Range _____
 Exercisor Timer _____
 Test Switch _____
 Aux. Contacts (N.C.) (N.O.) _____
 Normal Life _____
 Emergency Lite _____
 Area Protection _____

Ship with Unit _____ Ship Direct _____ Hold for Pickup _____

Ship TO KL 11-8

Qty. 1 Inst./Parts Manual(s) UPS to Rep/Distr. With Unit

Qty. _____ Framed Instructions under Plexiglass _____

Color: Katolight Gold _____ Gray _____ Other _____

Export Box _____ Containerized _____ Special Marks: _____

Wt. 9393

Dimensions _____

PO # 1831

WARRANTY (1 Year) (2 Year) (5 Year) (Hour Limit _____)

TESTING:

Type: (Std Commercial) (Mil-Std-705) (Witnessed) (Certified Copies) (Strip Chart Recording)

ORDER NUMBER	ITEM NUMBER DESCRIPTION	WH	ORDER QUANTITY	START DATE	LAST TRANS DATE	DUE DATE
M250680	700024 COMP UNIT KTA-19	1	1.000	11/18/96	0/00/00	12/02/96
CUSTOMER JOB NUMBER	WAREHOUSE STOCK LOC	ENGINEERING DRAWING NUMBER	MULTI-ORD REFERENCE	PLANNER	DEPARTMENT	
F44005	* 006	KTA-19	FH EMERG			1
MATERIAL LIST BY COMPONENT ITEM NUMBER						
COMPONENT DESCRIPTION	WH	STOCK LOC	U/ /M	STANDARD QUANTITY	ISSUED QUANTITY	
40123 AIR CLEANER	1		EA	1.000		
40124 BKT AIR CLEANER 13-1/2" VORTOX	1		EA	1.000		
40704 BKT HEATER MTG UNIV	1		EA	1.000		1.
40718 BRACKET MUFFLER 12"	1		ST	1.000		
41171 CIR BKR 600A 3P 600V W/24V ST	1		EA	1.000		
42434 TANK 1GL W/FLOAT VALVE	1		EA	1.000		
42634 EXH FLEX 5-1/16" SLV/6" FLG	1		EA	1.000		
42660 PIPE FLANGE 6" WELD	1		EA	1.000		
43203 HEATER 3000W 120V TANK	1		EA	1.000		
43304 HUMP HOSE 5-1/2" TO 5-1/2"	1		EA	2.000		
43542 HOUSING 140LX78HX56W PROOF	1		EA	1.000		
43543 LOUVER 68HX40WX4D FIXED	1		EA	1.000		
43586 FOAM INSULATION 1" (FOR HSG)	1		SF	250.000		

ORDER NUMBER	ITEM NUMBER DESCRIPTION	WH	ORDER QUANTITY	START DATE	LAST TRANS DATE	DUE DATE
M250680	700024 COMP UNIT KTA-19	1	1.000	11/18/96	01/00/00	12/02/96
CUSTOMER JOB NUMBER	WAREHOUSE STOCK LOC	ENGINEERING DRAWING NUMBER	MULTI-ORD REFERENCE	PLANNER	DEPARTMENT	
F44005	* 006	KTA-19	FM EMERG	1		
MATERIAL LIST BY COMPONENT ITEM NUMBER						
COMPONENT DESCRIPTION	WH	STOCK LOC	U/ /M	STANDARD QUANTITY	ISSUED QUANTITY	
44374 EXH TUBING ELBOW 90 3-1/2"OD	1		EA	1.000		
44375 STEEL TUBING 6"OD 16GA	1		FT	1.000		
44387 EXH TUBING ELBOW 90 2-1/2 OD	1		EA	1.000		
44541 NAMEPLATE POW. PKG.	1		EA	1.000		1.
44984 ENCL CIR BKR NEMA 1 TJ6005	1		EA	1.000		
46114 SWITCH TEMP 1/2" 225F ND	1		EA	1.000		
46115 SWITCH PRESS 1/8" 15PSI SPDT	1		EA	1.000		
46700 THERMOSTAT JACKET WATER	1		EA	1.000		
46907 VIB PAD 2.5X18X.25	1		EA	6.000		
47406 PIPE NIPPLE 3/8 X 3	1		EA	2.000		2.0
49152 RADIATOR D-004 KTA-1963	1		EA	1.000		.0
49193 SCOOP EXHAUST 104-006 STANDARD	1		EA	1.000		.0
49194 SCOOP INTAKE 104-006 STANDARD	1		EA	1.000		.0

ORDER NUMBER	ITEM NUMBER DESCRIPTION	WH	ORDER QUANTITY	START DATE	LAST TRANS. DATE	DUE DATE
M250680	700024 COMP UNIT KTA-19	1	1.000	11/18/96	0/00/00	12/02/96
CUSTOMER JOB NUMBER	WAREHOUSE STOCK LOC	ENGINEERING DRAWING NUMBER	MULTI-ORD REFERENCE	PLANNER	DEPARTMENT	
F44005	* 006	KTA-19	FM EMERG	1		
MATERIAL LIST BY COMPONENT ITEM NUMBER						
COMPONENT DESCRIPTION	WH	STOCK LOC	U/M	STANDARD QUANTITY	ISSUED QUANTITY	
49273 GASKET 6" PIPE FLANGE	1		EA	2.000		
49683 BATTERY BOX 25LX14WX11.5H	1		EA	2.000		
49938 ENG KTA1962 EPC	1		EA	1.000		
53269 GENERATOR 572/4024 08:18 DVR HT	1		EA	1.000		
58316 HOSE FLEX 2 1/2 X 28 RADIATOR	1		EA	2.000		
58318 HOSE RAD 3-1/2X900 WIRE INSERT	1		EA	1.000		
59019 BASE KTA1963 572 HSD 006/012	1		EA	1.000		
61058 MUFFLER EM 6" CRIT SI 12"00	1		EA	1.000		
61467 INSULATION TURBO ELBOW KTA19	1		EA	1.000		
61468 INSULATION TURBO KTA19	1		EA	1.000		
61469 INSULATION MANIFOLD KTA19	1		EA	1.000		
69010 BKT AIR CLEANER MTG KTA-19G W AM-5512 NO MISC CHARGES FOR THIS ORDER	1		EA	1.000		

ORDER NUMBER	ITEM NUMBER DESCRIPTION	WH	ORDER QUANTITY	START DATE	LAST TRANS DATE	TRANS DATE	DUE DATE
M250690	90038 PANEL STD 45 SERIES 3PH 24VDC	1	1.000	11/04/96	0/00/00		11/18/96
CUSTOMER JOB NUMBER	WAREHOUSE STOCK LOC	ENGINEERING DRAWING NUMBER	MULTI-ORD REFERENCE	PLANNER	DEPARTMENT		
F44005			FM EMERG	11			
MATERIAL LIST BY COMPONENT ITEM NUMBER							
COMPONENT DESCRIPTION	WH	STOCK LOC	U/ /M	STANDARD QUANTITY	ISSUED QUANTITY		
35054 SWITCH AM/VM 4POS	1		EA	1.000			
35083 SPEED SWITCH SM124-S	1		EA	1.000			
40218 ALARM 12V/24V BUZZER SONALERT	1		EA	1.000			
40311 AMMETER 0-800 3.5" 90D	1		EA	1.000			
40315 AMMETER 60-0-60 CHARGE RATE	1		EA	1.000			
41711 CURRENT TRANS 800:5	1		EA	3.000			
41817 LED RED SUPER BRIGHT DIFFUSED	1		EA	4.000			
42566 WIRING HARNESS STD 45 PANEL	1		EA	1.000			
42703 FREQ METER 55-65	1		EA	1.000			
42820 HOLDER 3-FUSE BLOCK	1		EA	1.000			
42828 FUSE 10A 600V KTK	1		EA	3.000			
42834 HOLDER FUSE IN-LINE	1		EA	1.000			
42835 FUSE 9A 250V AGC	1		EA	1.000		1.0	

ORDER NUMBER	ITEM NUMBER DESCRIPTION	WH	ORDER QUANTITY	START DATE	LAST TRANS DATE	TRANS DATE	DUE DATE
M250690	90038 PANEL STD 45 SERIES 3PH 24VDC	1	1.000	11/04/96	0/00/00		11/18/96
CUSTOMER JOB NUMBER	WAREHOUSE STOCK LOC	ENGINEERING DRAWING NUMBER	MULTI-ORD REFERENCE	PLANNER	DEPARTMENT		
F44005			FM EMERG		11		
MATERIAL LIST BY COMPONENT ITEM NUMBER							
COMPONENT DESCRIPTION	WH	STOCK LOC	U/M	STANDARD QUANTITY	ISSUED QUANTITY		
42919 GAUGE PRESS 0-100PSI (45900)	1		EA	1.000			
44716 PC BOARD 4 LED'S	1		EA	1.000			
45033 ISOLATION TRANSFORMER BOARD	1		EA	1.000			
45532 RELAY 24V DPDT	1		EA	1.000			
45534 SOCKET RELAY 3P DT 10A	1		EA	1.000			
45537 BAIL WIRE	1		EA	1.000			
45800 RUN TIME METER 8-32VDC 2"	1		EA	1.000			
45930 RESISTOR EXTERNAL 200 OHM	1		EA	1.000			
45930 RESISTOR EXTERNAL 200 OHM	1		EA	1.000			
45931 RESISTOR CARB FILM 1K OHM 1/2W	1		EA	4.000			
45900 SENDER PRESSURE (42919)	1		EA	1.000			
45973 SENDER TEMP 3/8" (45974)	1		EA	1.000			
45974 GAUGE TEMP 240F/115C (45973)	1		EA	1.000			

ORDER NUMBER	ITEM NUMBER DESCRIPTION	WH	ORDER QUANTITY	START DATE	LAST TRANS DATE	DUE DATE
M2E0690	90038 PANEL STD 45 SERIES 3PH 24VDC	1	1.000	11/04/96	0/00/00	11/18/96
CUSTOMER JOB NUMBER	WAREHOUSE STOCK LOC	ENGINEERING DRAWING NUMBER	MULTI-ORD REFERENCE	PLANNER	DEPARTMENT	
F44005			FM EMERG	11		
MATERIAL LIST BY COMPONENT ITEM NUMBER						
COMPONENT DESCRIPTION	WH	STOCK LOC	U/ /M	STANDARD QUANTITY	ISSUED QUANTITY	
46133 SWITCH SEL 2POS	1		EA	1.000	.0	
46134 SWITCH DPDT ON-OFF-ON 3POS	1		EA	1.000	.0	
46538 TERM BLOCK	1		EA	1.000	.0	
46900 VIB MT 1.25" 5/16 THREAD	1		EA	4.000	.0	
47004 VOLTMETER 0-300/0-600 DS 3.5"	1		EA	1.000	.0	
47611 CABLE TIE SELF LOCKING 1 IN.	1		EA	24.000	24.0	
47853 WASHER FLAT #8	1		EA	4.000	4.0	
55301 FACE STD 45 PANEL	1		EA	1.000	.0	
55305 ENCLOSURE PANEL STD 45#50	1		EA	1.000	.0	
69022 FRACTIONAL-TURN FASTENER OVAL	1		EA	1.000	.0	
90154 KASSEK 24V COMPLETE W AM-5512 NO MISC CHARGES FOR THIS ORDER	1		EA	1.000	.0	

KATOLIGHT POWER PACKAGE

UNIT MODEL

D 400 FR24

UNIT SERIAL

WA 505646 F 44005 ✓

44541
21196
CA

RATING

CONTINUOUS STANDBY

ENGINE MODEL

KTA 1962

RPM

1800

HZ

60

KW

400

KVA

500

PHASE

3Ø

WIRE

4/10

PF

.8

VOLTS

277/480

AMPS
PER
TERM

601

EXC. AMPS

2.00

EXC. VOLTS

42.0

TEMP. RISE

NEMA STD.

°CENTIGRADE

KATOLIGHT CORPORATION
MANKATO, MINNESOTA U.S.A.



KATOLIGHT CORPORATION
201 Third Avenue
P.O. Box 3229
Mankato, MN 56002-3229

KATOLIGHT ENGINE-GEN. STANDARD COMMERCIAL TEST



Performance
Assurance
Certification

CUSTOMER FM Emergency Gen JOB F-44005 SERIAL NO. WA-505646-1096
UNIT MODEL D400FR24 TESTED BY Randy + Brian DATE 12-11-96

KW	KVA	P.F.	RPM	∅	HZ	VOLTS	AMPS	GENERATOR MODEL	TYPE	CODE
400	500	.8	1800	3∅	60	277 480	601	572 RSL4024	RSL	4024

RESISTANCES:

ARM	RESISTANCE	UNIT	GEN FLD	INSUL TEST
ARM 1-2	.033	Ω	GEN FLD	Ω
ARM 1-3	.033	Ω	EXC FLD	21.0 Ω
ARM 2-3	.033	Ω	AMB TEMP	73°

ACCESSORIES

AUTO-MANUAL SWITCH	<input checked="" type="checkbox"/>
GROUND STUD	<input checked="" type="checkbox"/>
FUEL TANK	<input checked="" type="checkbox"/>
WATER HEATER	<input checked="" type="checkbox"/>
BATTERY CHARGER	<input type="checkbox"/>
OIL HEATER	<input type="checkbox"/>
PRE ALARMS	<input type="checkbox"/>
LOW WATER LEVEL	<input type="checkbox"/>
TACHOMETER	<input type="checkbox"/>
RODENT PROOF PANEL	<input checked="" type="checkbox"/>
EMER STOP BUTTON	<input type="checkbox"/>
TAP CHANGING SW	<input type="checkbox"/>
RECEPTACLE	<input type="checkbox"/>

WIRE: 10 LEADS: 4 CONNECTED: 3∅ Ser wye

VISUAL INSPECTION CHECK-LIST:

MTG & CPLG <input checked="" type="checkbox"/>	EXH SYS <input checked="" type="checkbox"/>	GOVERNOR: <u>EFC</u>
FUEL SYS <input checked="" type="checkbox"/>	DRAIN PLUGS <input checked="" type="checkbox"/>	<u>Barber Colman</u>
LUB SYS <input checked="" type="checkbox"/>	12 <u>(24)</u> VDC	VOLT REG:
COOLING <input checked="" type="checkbox"/>		<u>OUR 2000</u>

ENGINE: <u>Cummins</u>	ENG CONTROL: <u>Kasse 1.5</u>	APPLICABLE DRAWINGS:
MODEL: <u>KTA19G2</u>	HWT-LOP <input checked="" type="checkbox"/>	<u>819-B-5510</u>
SER. NO. <u>37173095</u>	ENG. ALT. <input checked="" type="checkbox"/>	<u>819-B-6169</u>
FUEL: <u>Diese</u>	0° CRANK CYCLIC <input checked="" type="checkbox"/> 45SEC	<u>819-B-6170</u>
COOLING: <u>water lead</u>	0° SPEED 71cps <input checked="" type="checkbox"/> OTHER	

	ACV	ACI	KVA	KW	P.F.	HZ	EFV	EFI	RTM	OIL PSI	COOLANT TEMP
LOW	420					60.0	9.0	.40	0.5	80	175
HIGH	528					60.0	25.0	1.10	0.5	80	175
SET	480					60.0	16.0	.75	0.5	80	175
RATED	480	601	500	400	.8	60.0	42.0	2.00	0.1	80	150
NO LOAD	480	0		0		60.0	16.0	.75	0.2	80	160
MAX	480	509	425	425	1.0	60.0	26.0	1.25	0.3	80	170
NO LOAD	480	0		0		60.0	16.0	.75	0.4	80	175
MAX PICKUP				425							

PHASE BALANCE

PH	VOLTS		AMPS	
1-2	480	1-N 277	L1	601
2-3	480	2-N 277	L2	601
3-1	480	3-N 277	L3	601

PHASE SEQ.
T-1T-2T-3

AMBIENT TEMP F°
73°

REMARKS: