

FOR SALE OR LEASE

CBK-06-5007 (4) USED X SF6 145kV 3000AMP 40kA 50/60HZ. CIRCUIT BREAKER

REF. NO. CBK-06-5007

TECHNICAL SPECIFICATIONS:

Type: **HS145B**

Mfg. HVB AE Power Systems, Inc.

Rated Max. Voltage: 145kV

Rate Power Frequency: 50/60Hz.
Rated Voltage Range Factor, K: 1.0
Rate Shot-Circuit Current: 40kA
Percent DC Component: 55%
Rated Interrupting Time: 3 Cycles
Rated Continuous Current: 3000AMP

Rated Full Wave Lighting Impulse Withstand Voltage <Bil>:

• Terminal To Ground Circuit Breaker Closed: 650kV

Terminal To Ground Circuit Breaker Open: 650kV

Total Weight of Breaker w/Gas - 7000Lbs. (3175) kg

Total Weight of SF6 Gas - 44Lbs. (20) kg

Short Time Duration: 3 Seconds Operating Mechanism: HVB S1

TRIP CIRCUIT

Coil Part No. 24-1285-125 Number of Coils: 2

Voltage Range: 70 To 140VDC Current 9.0 A. AT 125VDC

Motor Control Voltage Range: 125VDC Rated Closing Switching Surge Factor: N/A Rated Transient Overvoltage Factor: 2.0 Rated Overhead Line Charging Current: 80 A

Rated Isolated Cable/Shunt Capacitor Bank Current: 600 A Rated Back-to-Back Cable'/ Shunt Capacitor Bank 315A

Rated Transient Inrush Current Peak: 20000A

Rated Transient Inrush Current Frequency: 4250 Hz. Assigned Out-of-Phase Switching Current: 10kA



Rated Operating Duty Cycle: 0-0.3s-CO-15s-CO

Normal SF6 Gas Pressure AT 20° C 75 PSIG (0.52) MPaG

- Minimum SF6 Gas Pressure 67 PSIG (0.46) MPaG
- Minimum SF6 Gas Pressure 64 PSIG (0.44) MPaG

Internal Pre-Insertion Resistor N/A
Internal Capacitor Across Contacts N/a

CLOSING CIRCUIT

Coil Part No. 24-1285-125 Number of Coils: 1

Voltage Range: 90 TO 140 VDC Current: 9.0 A AT 125VDC

Motor Current: 11.67 A





Reference Addendums:

A: Nameplate

B: CTG~HVCB126_Hitachi 145KV 3000A OEM Specs Drawings

C: CTG~Hitachi SF6 Breaker - Modified Fabrication



Condition: Tested, Excellent

Warranty: Sold As Is/Where Is

Availability: Immediately upon full Payment

FOB: Your Truck/Warehouse USA

Price: Call For Quotation

CTG Power Systems Intnl., LLC (CTG) is the seller of this equipment and will facilitate all aspects of the equipment transaction. CTG's Terms and Conditions governing used surplus equipment will apply. Additional services such as shipping and insurance, engineering and installation are available through CTG and will be performed under a separate contract, if requested.

A non-revocable purchase order accompanied by verification of the availability of funds is required. Inspection is encouraged and will be arranged within 72 hours advance notice. Buyer will be required to render a non-refundable deposit of up to 50% of the total purchase price to secure the option to purchase with balance due 50% within 30 days of inspection and no later than 5 days prior to load out, whichever event occurs earlier. There is no inspection without remitting a fully refundable deposit.

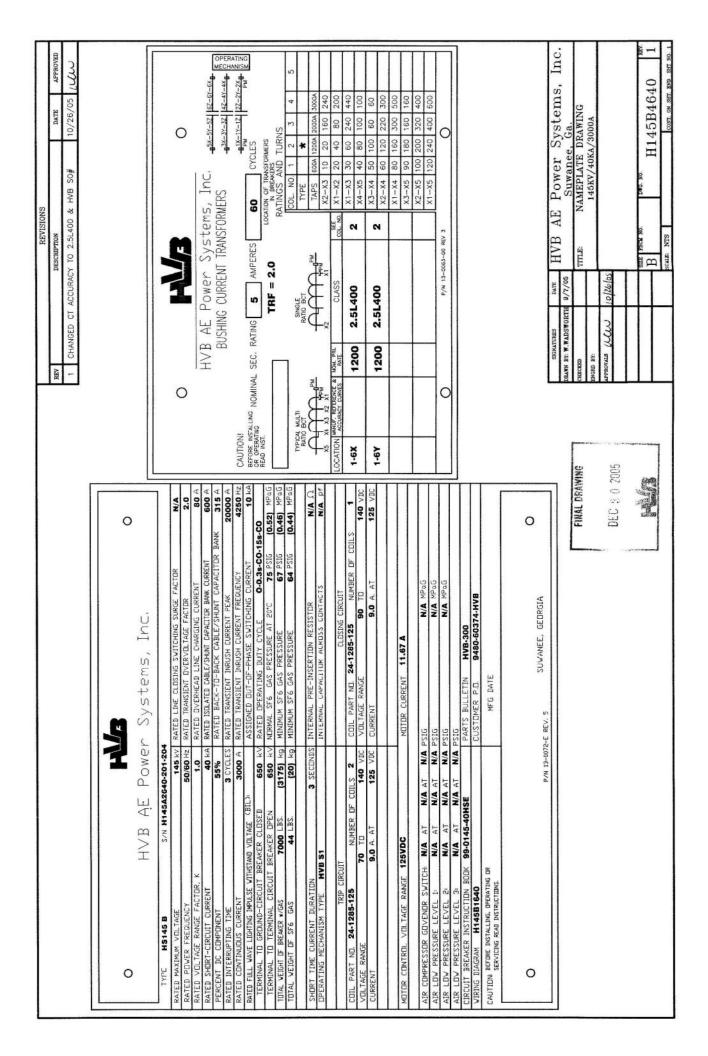
For more information and firm proposal, please contact CTG:

CTG POWER SYSTEMS INTNL., LLC (CTG)

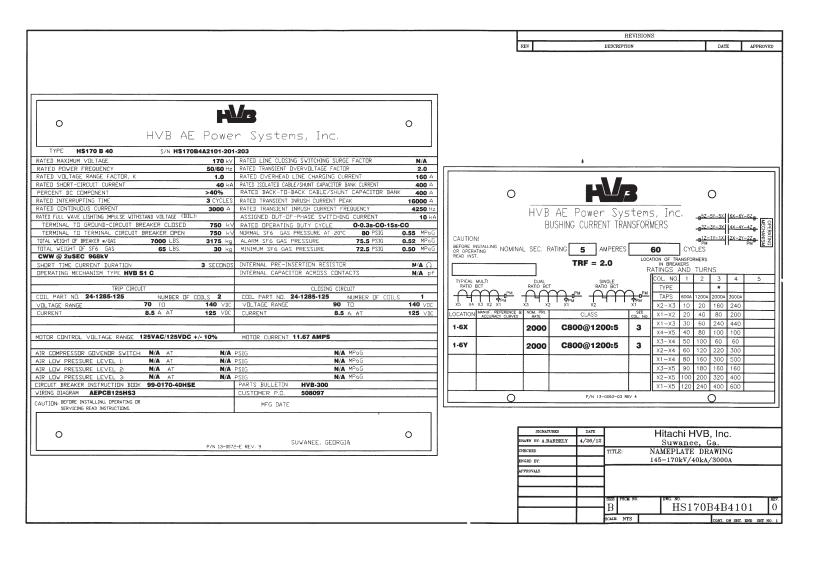
401 E. Jackson St. Ste. 2340-F12 Tampa, Florida 33602 USA

Tel: +1 (813) 920-3500 | Fax: +1 (941) 220-6612 | WhatsApp: +1 (813) 918-0762

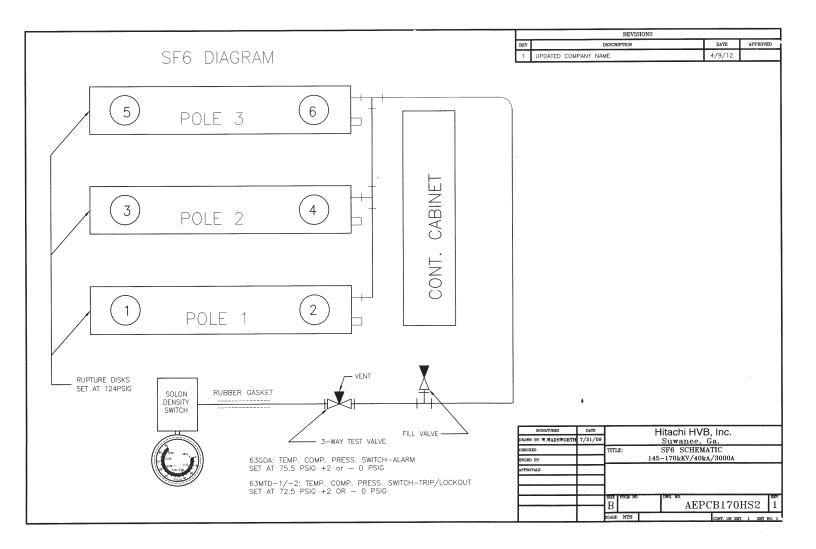
Email: <u>Sales@CTGPowerSystems.com</u> Website: <u>www.CTGPowerSystems.com</u>



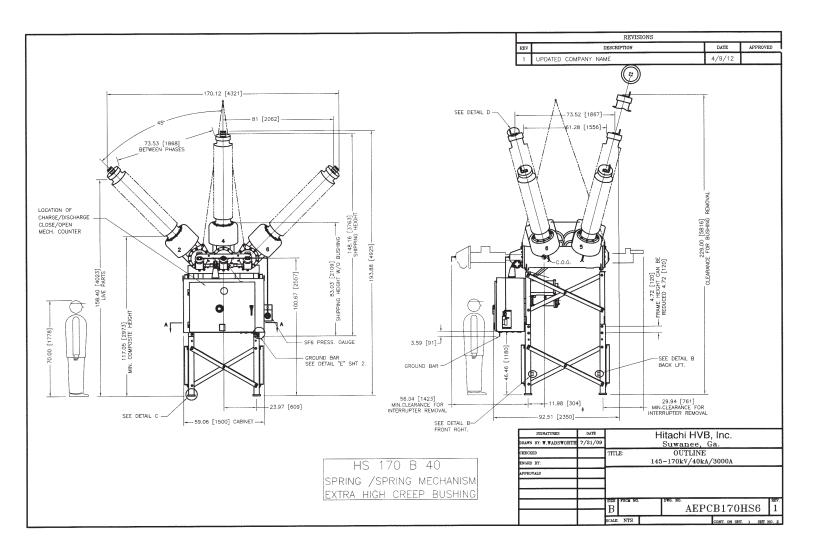




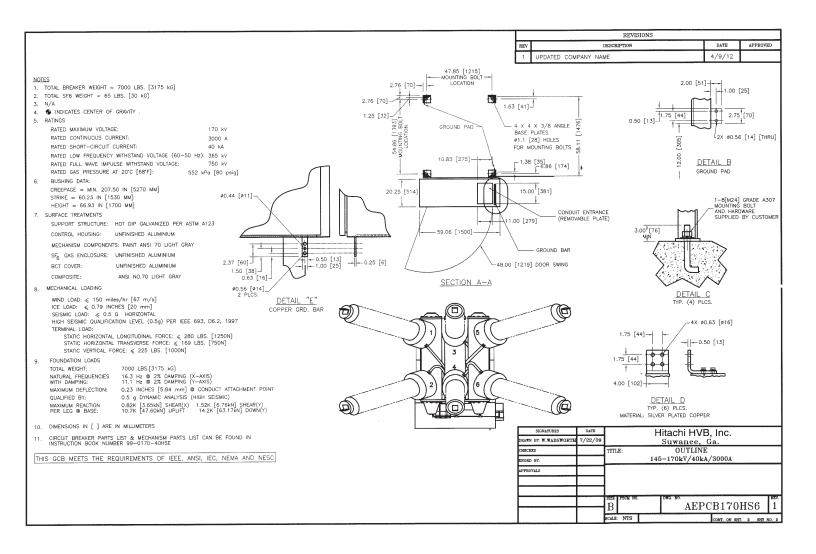




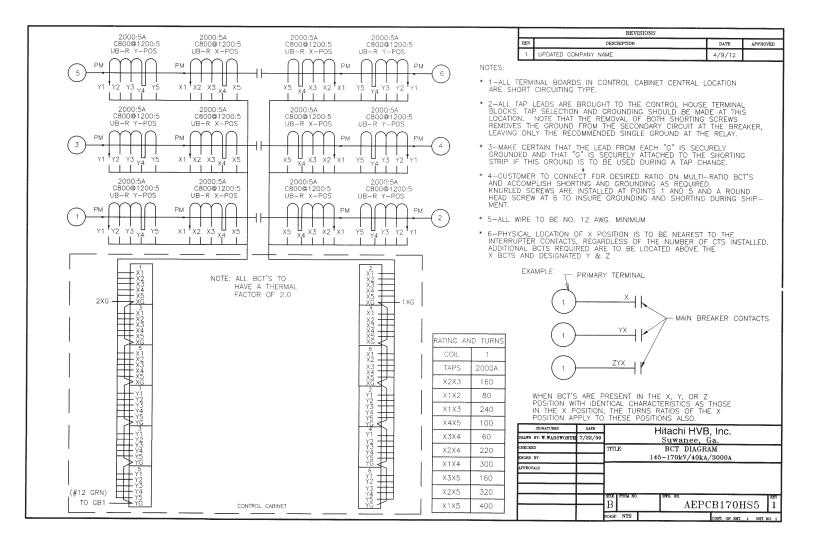














ABBREVIATIONS;

- AUTO CIRCUIT BREAKERS
- ALTERNATING CURRENT
- AUGUSTRAILE
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- BUSHING CURRENT TRANFORMERS
- BREAKER
- BBACK
- CRANATOR
- CUSING COIL
- CRUTE SCOR
- CONNECTION

NO	DENSITY SWITCH]			
1 63GDA 14-2008-07 EGA BLÖCK: SĒT=72.5 +/- 2 PSĪG 63MTD-1/-2 SDLON 2TC/407 EGA SETPOINTS FOR ALARM TO BE GREATER	NO		PART NO OR CATALOG NO	DEV IDENT	DESCRIPTION
THE SETTINGS TOR DEBOTE OF ELECTION	1			EGA	BLOCK: SET=72.5 +/- 2 PSIG

ISCELLANEOUS				
NO	DEVICE FUNCTION	PART NO DR CATALOG NO	DEV IDENT	DESCRIPTION
1	52/00	24-1285-125 Manuf. Hib, Korea	мв	CLOSE COIL - 12 OHMS 9.0A PEAK
S	52/T-1&T-2	24-1285-125 MANUF. HIB, KOREA	MC/MD	TRIP COIL 1 & 2 - 12 DHMS 9.0A PEAK
3	231	21-0610-01 STEGE-SKT011409NC	MG	CABINET HEATER THERMUSTAT 30-140F
4				
5		08-0000-04 GE EB-1 (2 POINTS)	Q/V	POWER SOURCE TERMINAL BLOCKS (3 TOTAL)
		08-0000-01 GE EB25B6 (1x6 PTS)	Р	POVER TERMINAL BLOCK
6		08-0000-00/-02 GE EB25B12 (1x12 PTS) GE EB25B4 (1x4 PTS)	K	CONTROL TERMINAL BLOCKS
7		08-0000-05 GE EB-27 (6 POINTS)		CT SHORT CIRCUITING TERMINAL BLOCKS
8		08-0023-00 YDSHIDA #UCK15S-25CU(UL)	T	CLOSE AND TRIP COILS & MOTOR TERMINAL BLOCK 25 POINTS SUPPLIED ON MECHANISM
9		08-0011-00 GE CR15 (7 POINTS)	2	GAS DENSITY SWITCH TERMINAL POINTS
10		08-0011-00 GE CR15 (60 PDINTS)	н	SPARE MA SWITCH AND SPARE TERMINAL POINTS
11		08-0011-00 GE CR15 (12 PDINTS)	AL	ALARM TERMINAL POINTS
12	52/a % 52/b	JAEP #1V208570	MA	AUXILIARY SWITCH CONT. CURR. 30A - INTERRUPT 10A
13		21-0324-01	HG/HJ	CABINET HEATER 160₩ @ 120V (640W @ 240V)
14		40-0020-03	EY	CABINET LIGHT ASSEMBLY
15		18-0801-00 FUJI # TLD-01(3A)	EX	DOOR SWITCH
16		40-0033-01	EZ	EXTERNALLY ACCESSIBLE GFT RECEPTABLE
17	44/SB-1/-2	OMRON #XAA2-4L	MHS	SPRING POSITION LIMIT SWITCH
18	52CS/CLOSE	21-0408-00 FUJI#PSA-PIIC	PBC	BLACK PUSHBUTTON LEGEND 'CLOSE'
19	52CS/TRIP-1/-2	21-0408-00 FUJI#PSA-P11C	PBT1/PBT2	RED PUSHBUTTON LEGEND 'OPEN'
20	69	08-0100-20 TEST SW. V3TS-01-AK	SA	1 POLE KNIFE SWITCH
21		21-0210-00 HUBBELL#3771	EZZ	RECEPTACLE,TWISTLOCK 250VAC 50A 1 PH COVER 21-1210-00 - HUBBELL#7770
22	52M	24-1239-00 BALDUR #32769		SPRING MECHANISM CHARGING MOTOR UNIVERSAL 120VAC/125VDC FILA 1167A - INRUSH CUURENT 5835A

REVISIONS						
REV	DATE	APPROVED				
1	EGA DESCRIPTION UPDATED	2/1/12				
2	UPDATED COMPANY NAME	4/9/12				
	OF DATED COMPART WHILE	1/0/12				

RELAYS & CONTACTORS				
NE	DEVICE FUNCTION	PART NO OR CATALOG NO	DEV IDENT	DESCRIPTION
1	44X	15-1006-00 FUJI #SC- 5 -1/G	DU	MOTOR CONTACTOR/ING-INC AUX.
2	63MTDX-1/-2	15-0065-00 GE#RL4RD022RK 15-3016-00 GE#BCLF10		GAS PRESSURE AUXILIARY RELAY 1 NO ADD-ON CONTACT
3	52Y	15-0002-18 P&# KRPA-11DG-125</td><td>ES</td><td>ANTI-PUMP RELAY</td></tr><tr><td>4</td><td>44ER</td><td>15-0025-00 DMRDN#LY4-110</td><td>EG</td><td>MOTOR DIVER RUN RELAY</td></tr><tr><td>5</td><td>44X1</td><td>15-3025-00 DMRDN #H3CR-A8</td><td>EK</td><td>TIMING RELAY - MODE A SET AT 0.5 MINUTES T.D.P.U.</td></tr><tr><td>6</td><td>42</td><td>15-0065-00 GE#RL4RD022RK</td><td>DUT</td><td>AC-DC TRANSFER RELAY</td></tr><tr><td>. 7</td><td>27L</td><td>15-0002-05 P&B# KRPA-11AG-120</td><td>EL</td><td>LOSS OF MOTOR CIRCUIT VOLTAGE RELAY 120VAC</td></tr><tr><td>8</td><td>27C/27M</td><td>15-0002-18 P&B# KRPA-11DG-125</td><td>EC/EM</td><td>LOSS OF DC VOLTAGE CLOSE,TRIP & MOTOR CIRCUITS - 125VDC</td></tr></tbody></table>		

DISCONNECTS				
NΟ	DEVICE FUNCTION	PART NO DR CATALOG NO	DEV IDENT	DESCRIPTION
1	871	08-0100-19 TEST SW. W3TS-02-BK	ZB	2 POLE KNIFE SWITCH CLOSE/TRIP#1 CIRCUIT
2	8H/8R	08-0100-20 TEST SW. W3TS-01-AK 08-0400-00 BUSSMAN# H25030-1S	SH/SR UH/UR	KNIFE SWITCH CAB HEATER, LIGHT & REC. FUSE HOLDER & LITTLE FUSE NLN 15 15A - 08-0500-01
3	8MA	08-0100-20 TEST SW. W3TS-01-AK 08-0400-00 BUSSMAN# H25030-1S	SMA	KNIFE SWITCH AC MOTOR CIRCUIT FUSE HOLDER & LITTLE FUSE NLN 15 15A - 08-0500-01
4	8MB	08-0100-19 TEST SW, V3TS-02-BK 08-0400-01 BUSSMAN# H25030-2S	SMB	KNIFE SWITCH DC MOTOR CIRCUIT FUSE HOLDER & LITTLE FUSE NLN 15 15A - 08-0500-01

SIGNATURES	DATE		Hitachi HVB, Inc.	
DRAWN BY: W.WADSWORTH	11/9/09	Suwanee, Ga.		
CHECKED		TITLE:	DEVICE SHEET	
ENGRD BY:			145-170kV/40kA/3000A	
APPROVALS				
		1		
		B FSCM NO.	AEPCB125HS4 2	
		SCALE: NTS	CONT. ON SHT. 1 SHT NO. 1	



