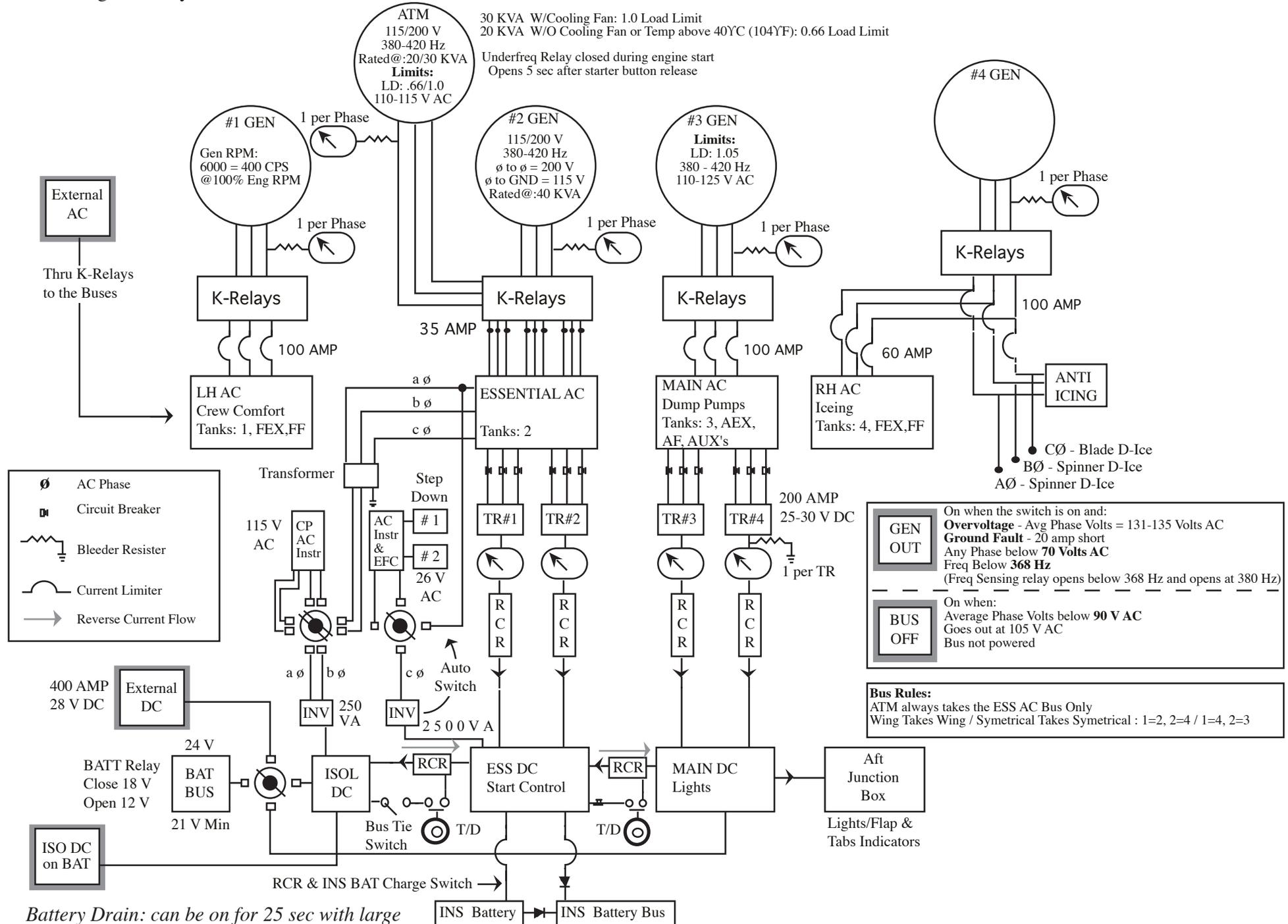


The C-130 Electrical System (C-130E/MC-130P/HC-130P/N)

For Training Use Only



Battery Drain: can be on for 25 sec with large draw on Ess AC Bus

Bus Uses

- LH AC**
 Crew Comfort (Oven)
 NESA Windows
 #1 Boost Pump
 External Tank (L) Falw Boost Pump

- Main AC**
 Dump Pumps
 Radar
 2 TRs
 #3 Boost Pump

- RH AC**
 Anti icing
 Falw Boost Pump
 #4 Boost Pump

- Ess DC**
 Start
 Engine
 Air Craft Systems

- Main DC**
 Lights

- Iso DC**
 Talk

- Bat Bus**
 F
 A
 A
 J
 I
 V
 S

Fuel Boost Pump Electrical Power

- | | |
|---|----------------|
| 1 | #1 |
| 2 | #2 |
| 3 | #3 |
| 4 | #4 |
| 5 | L/R AUX |
| 6 | L EXT F/A |
| 7 | R EXT F/A |
| 8 | L Fuselage F/A |
| 9 | R Fuselage F/A |

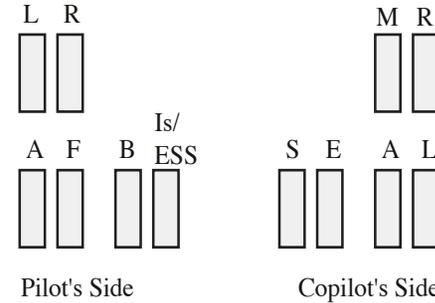
Engine Instrument Panel Power Supplies

- Torquemeters : Single Phase 115 V AC (AC Instr & fuel control)
- Tachometers : Self generating from Tac Gen
- TIT : Single Phase 115 V AC (AC Instr & fuel control)
- Fuel Flow : Single Phase 115 V AC (AC Instr & fuel control)
- Oil Temp : 28 V Essential DC
- Oil Pressure : 26 V AC (Instrument transformers)
- Oil Quantity : 28 V Essential DC
- Oil Cooler : 28 V Essential DC

Circuit Breakers

Little Rock Air Force Base Is Essential MR. S E A L

- | | |
|-----------------------|------------------|
| Left AC | Main AC |
| Right AC | Radios |
| AC Instr & Fuel Contr | Start |
| Fuses | Engines |
| Battery Bus | Aircraft Systems |
| Isolated DC | Lighting |
| Essential DC | |



#1 AC Instr & FC Transformer

- #1 Transformer
- F Fuel Pressure Indicator
- E Emergency Brakes Gage
- B Booster Hydraulic Pressure Gage
- #3 Engine & Gear Box Oil Psi
- #4 Engine & Gear Box Oil Psi

