



**IMPORTANT:**  
 INTENDED AS A WIRING GUIDE ONLY.  
 FOR COMPLIANCE REFER TO LOCAL ELECTRICAL CODES.  
 FOR *BLAC BOCS* OPERATION AND LIGHT INDICATION REFER TO YOUR *BLAC BOCS* MANUAL.

- NOTES:**
- 1.) CT POLARITY IS IMPORTANT. P1 TO LOAD.
  - 2.) USE CORRECT SIZE CT FOR MOTOR TO BE PROTECTED. SEE TABLE BELOW.
  - 3.) NO SWITCHING DEVICES TO BE CONNECTED IN THE A2 CIRCUIT.
  - 4.) LINE 1, 2 & 3 MUST BE EARTHED THROUGH APPROVED SURGE ARRESTORS, TO THE MOTOR CASING.

**CT RATIO TABLE: 400V**

UP TO & INC. 5.5kW	NO CT REQUIRED.
7.5kW TO 18.5kW	= 75:5
22kW TO 75kW	= 150:5
90kW TO 150kW	= 300:5

**TECHNICAL SPECIFICATIONS**

Voltage - Nominal	400VAC 50Hz
Voltage - Operating	-20% to 15%
Voltage - Starting	-15% to 20%
Operating Temp.	-5 to 60 degrees celsius
Overload Control	Trip time varies with severity of overload.
Underload Control	Approx. 70% of nominal shaft load.
Reset on dry-run	Run-time is automatically matched to water available for pumping.
Reset on overload	Auto reset after first two overloads then reset by power-up with 100 sec. delay.
Switch control	On/Off with parrallel pressure, float etc.



Revisions			
Rev	Date	App	Description

Reference Drawings

Drawn	MVW
Approved	
Date	10-Jun-02
Drawing Number	
3	84-00-0022
Drw Type	Schematic
Rev	0

**BLAC BOCS PANEL**