



NOTE:  
1. 3-4 Main switch closes on temperature rise  
2. Compressor

|   |   |   |      |      |
|---|---|---|------|------|
| Operating Temperature (min/hg)  | Warm  | Normal                                      | Cold |      |
| SIGNAL IN(°C)   |   |   |      |      |
| CUT IN(°C)  |   |   |      |      |
| CUT OUT(°C)   |   |   |      |      |
| DIFF(°C)  |   |   |      |      |
| The second testing temp is taken as an accurate value.  |   |   |      |      |
| Operating Temperature (760mm/hg)  | Warm  | Normal                                      | Cold |      |
| SIGNAL IN(°C)   |   |   |      |      |
| CUT IN(°C)  |   |   |      |      |
| CUT OUT(°C)   |   |   |      |      |
| DIFF(°C)  |   |   |      |      |
| The second testing temp is taken as an accurate value.  |   |   |      |      |
| Rated Volts (V)   | AC  |   |      |      |
| Rated Amperes (A)   | 250   | 120   |      |      |
| Power Factor (Cosφ)   | 3-4   | 3-4   |      |      |
| Non-inductive Current   | 1   | 0.5-6                                       | 1-10 |      |
| Inductive   | 0.75  | 0.5-6                                       | 1-10 |      |
| Locked Rotor  | 0.45  | 0.5-36                                      | 1-40 |      |
| Insulation Resistance   | More than 100MΩ with a DC500V megger  |   |      |      |
| Dielectric Strength   | AC 1500V for one minute   |   |      |      |
| Kind of charge  | Gas(R290)   |   |      |      |
| Conditions of Operating Temp.   | TS/TB TS: Temperature Around the Main Frame<br>TB: Temperature around the Sensing Element |   |      |      |
| Response Characteristic of Sensing Element  | Temp. change rate ≤ 1°C/min   |   |      |      |
| Max. Temperature  | Around the Main Frame: 70°C   |   |      |      |
| Life of Contact   | Around the Sensing Element: 80°C  |   |      |      |
| Rotating Moment of Adjusting shaft  | COLD — WARMER 0.02-0.35N·m<br>WARMER — OFF less than 0.6N·m                               |   |      |      |
| REMARKS:<br>1. The length of capillary immersed in the testing medium shall reach more than 150 mm.<br>2. The temperature characteristic is under a 760mm/hg of atmosphere at 25°C<br>3. Thermostat shown in COLD position<br>4. The material requests according to the RoHS. |   |   |      |      |
| Edition   |   | Reigger Number                              | SIGN | DATE |
| DESIGNED BY   |   | S. B. Chan 18.3.13                          |      |      |
| CHECKED BY  |   | W. L. Tam 18.3.15                           |      |      |
| INSPECTED BY  |   | G. H. Chan 18.3.15                          |      |      |
| APPROVED BY   |   | S. H. Sun 18.3.16                           |      |      |
| Pressure Thermostat   |   | Customer: VETRA                             |      |      |
| WIRING DIAGRAM  |   | Customer code: Tongbao code: KDF23S8        |      |      |
|   |   | Design Mark: A                              |      |      |
|   |   | Number Weight(kg) Proportion: 1:1           |      |      |
|   |   | FOSHAN TONGBAO HUATING CONTROLLER CO., LTD. |      |      |