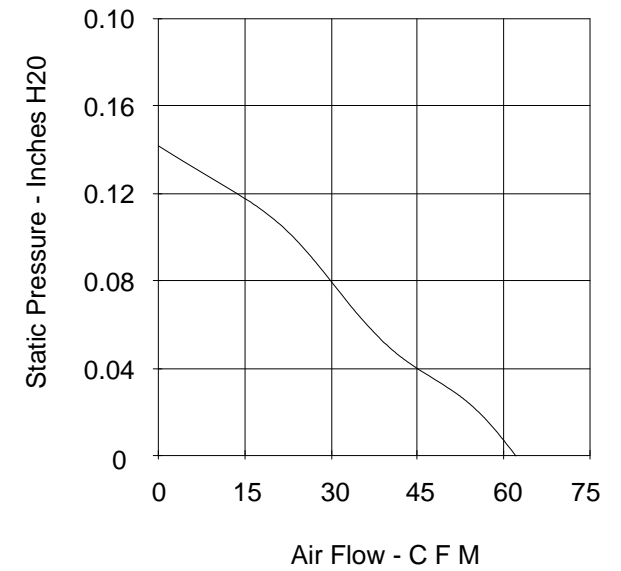
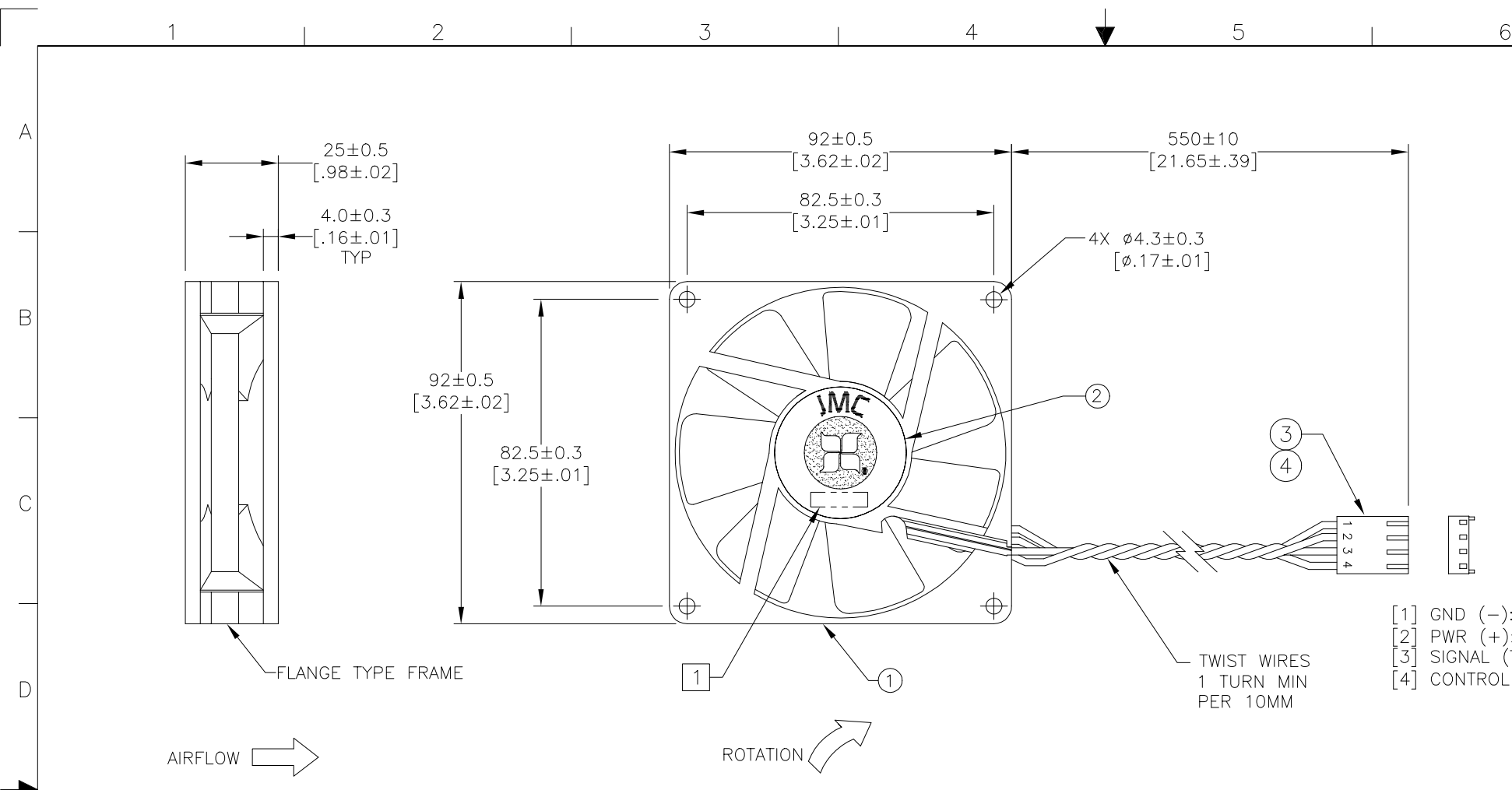
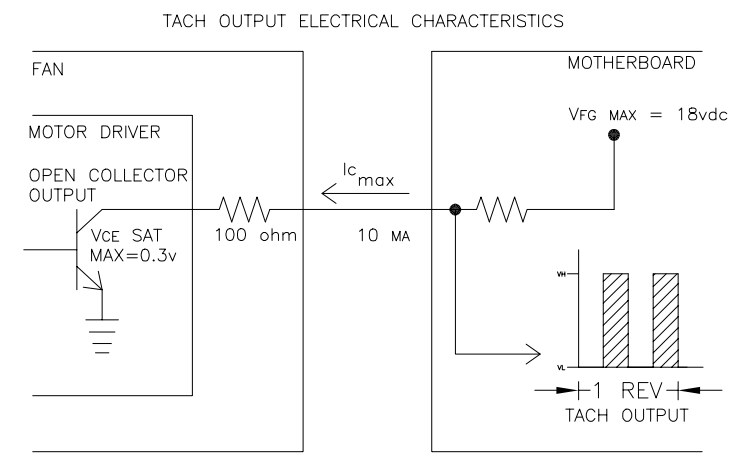
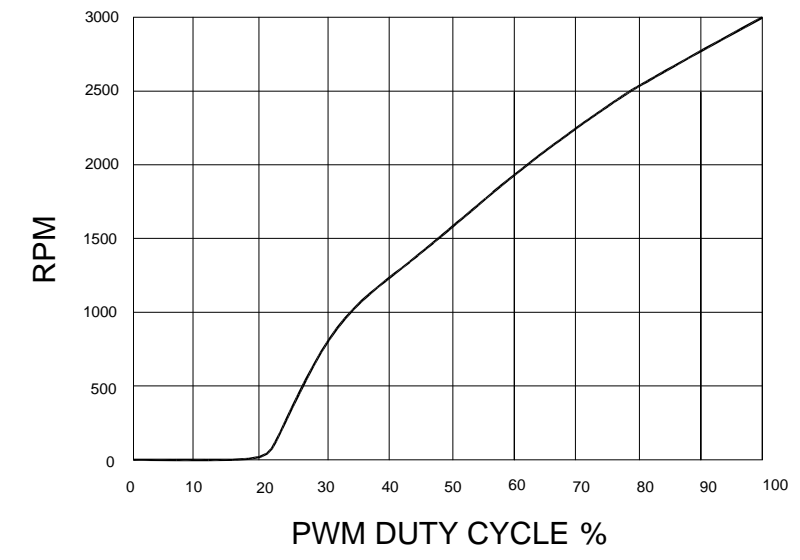


| REVISION HISTORY |        |                               |      |          |
|------------------|--------|-------------------------------|------|----------|
| EC NUMBER        | DATE   | DESC.                         | REV. | APPROVED |
| -                | 7/8/04 | CREATED DWG                   | X00  | CJ       |
| -                | 7/9/04 | INITIAL PRELIM STAGE REVISION | V00  | CJ       |



- [1] GND (-): BLACK
- [2] PWR (+): YELLOW
- [3] SIGNAL (TACH): GREEN
- [4] CONTROL (PWM): BLUE



|                  | ITEM                    | SPECIFICATION | UNITS/NOTES             |
|------------------|-------------------------|---------------|-------------------------|
| MECHANICAL       | SPEED                   | 0 / 3000±10%  | RPM AT 12 VDC           |
|                  | AIRFLOW                 | 61            | CFM IN FREE AIR         |
|                  | STATIC PRESSURE         | .16           | INCHES H <sub>2</sub> O |
|                  | BEARING TYPE            | BALL, DUAL    | -                       |
|                  | OPERATING TEMP          | -10 TO 70     | °C                      |
|                  | STORAGE TEMP            | -40 TO 70     | °C                      |
|                  | NOISE LEVEL             | 38            | dBA MAX AT 1M           |
| PHYSICAL         | L10 TEST DATA           | 75,000        | HOURS                   |
|                  | BLADE MATERIAL          | UL 94V-0      | -                       |
|                  | FRAME MATERIAL          | UL 94V-0      | -                       |
|                  | WIRE SIZE               | 26            | AWG                     |
| ELECTRICAL       | WIRE TYPE               | UL 1007       | -                       |
|                  | REGULATORY APPROVALS    | -             | -                       |
|                  | NET WEIGHT              | 85            | GRAMS                   |
|                  | OPERATING VOLTAGE       | 10.8-13.2     | VDC                     |
|                  | START UP PWM DUTY CYCLE | 25            | %                       |
|                  | RATED CURRENT           | .35           | AMP                     |
|                  | INPUT POWER             | 4.2           | WATT                    |
| TACH OUTPUT      | 2                       | PULSES/REV    |                         |
| MOTOR PROTECTION | POLARITY, AUTO RESTART  | -             | -                       |

- NOTES:**
- FAN LABEL MUST BE MARKED WITH DRAWING NUMBER TO AREA ON LABEL AS INDICATED USING SMALLEST LEGIBLE CHARACTER HEIGHT.
  - PWM CONTROL INPUT ELECTRICAL CHARACTERISTICS
    - INPUT IMPEDANCE GREATER THAN OR EQUAL TO 10K OHM
    - A LOGICAL HIGH ON PWM SIGNALS FAN FULL ON.
    - A LOGICAL LOW ON PWM SIGNALS FAN RUN AT MINIMUM SPEED.
    - PWM OPERATING FREQUENCY IS 25 KHz±5 KHz
      - MAXIMUM VOLTAGE (VIL MAX) IS 0.8 VDC
      - MINIMUM VOLTAGE (VIH MIN) IS 2.0 VDC

| ITEM | QTY | DESCRIPTION            | PART NUMBER     | MANUFAC. |
|------|-----|------------------------|-----------------|----------|
| 4    | 4   | TERMINAL               | 08-50-0114      | MOLEX    |
| 3    | 1   | CRIMP TERMINAL HOUSING | 22-01-3047      | MOLEX    |
| 2    | 1   | LOGO LABEL             | 3090-2411-002   | JMC      |
| 1    | 1   | FAN MODEL              | 9025-12MB [APW] | JMC      |

|   |                                   |      |              |                          |             |
|---|-----------------------------------|------|--------------|--------------------------|-------------|
| PRIMARY UNITS IN MILLIMETERS<br>ALTERNATE UNITS [ ] IN INCHES |                                   |      |              | <b>JMC</b> AUSTIN, TEXAS |             |
| TOLERANCE UNLESS OTHERWISE SPECIFIED                          | X.X±0.3 [.01]<br>X.XX±0.13 [.005] |      |              |                          |             |
| DRAWN BY  | P. MOWERY                         | DATE | 7/9/04       | SIZE                     | A2          |
| ENGINEER  | C. JANAK                          | DATE | 7/9/04       | DRAWING NO.              | 9029411PW-6 |
| SCALE: NONE   |                                   |      | SHEET 1 OF 1 |                          |             |

DRAWING NO. 9029411PW-6 REV. V00