

Fan Application Requirements



# Please complete as many fields as possible to the best of your knowledge and return to <u>AdvRequirementForms@emp-corp.com</u>.

#### See the attached README.pdf for explanation of component control options.

| Information Completed By:                    | Today's Date:      |
|--|--------------------|
| Primary EMP or Distributor Contact:          |                    |
| Property, Company, or Fleet name:            |                    |
| Location:<br>City, Province/State<br>Country |                    |
| Administrative Contact:                      | Technical Contact: |
| Phone:                                       | Phone:             |
| E-mail:                                      | E-mail:            |

What is the intended application? Please describe in detail. Please include project name to be used as a reference for communication with EMP. Please note, EMP products have not been approved for aviation use.

Please describe the mounting location (Rooftop, engine compartment, etc) and expected environment (dirt, dust, water, road debris, etc.). Please give details.

| What will be the minimum operating conditions/ambient air temperatures?<br>What will be the maximum operating conditions/ambient air temperatures?<br>Will the fan need a finger guard? Yes No<br>Fan type (see figure)? Push Pull<br>What is the air flow required?<br>CFM m <sup>3</sup> /Hour Other (specify above) | °C<br>°C | °F<br>°F |  |
|--|----------|----------|--|
| What is the system operating voltage range? $12/14V$ DC $24/28V$ DC $HV/Other$ (specify)What is the restriction the fan must push or pull against?UnknownInches H2OPaOther (specify)   | :        |          |  |
| What is the maximum current (amps) that will be available to the fan?<br>Are there any certification requirements? E-Mark, CSA, UL; additional costs may apply for specific certifications.  |          |          |  |
| What is the expected annual purchase volume for this product?<br>Please list all important project milestone dates, including date sample fans are required.   |          |          |  |

1<sup>st</sup> Sample: PPAP: SOP: Other:

### Control Refer to the attached README.pdf for additional information

On/off control *Fan runs at single configured speed* PWM control *Motor speed controlled to PWM input Only available on 12/24 volt 11" fan* 

### CAN control/status

Use EMP Messages

Use SAE J1939 Electrified Accessory Motor PGNs 32000/64513/62320

Requires access to <u>SAE J1939 Digital Annex</u>.

EMP components use addresses in the range reserved by SAE for manufacturer use. Each component uses a range of addresses selected to avoid conflicts with other EMP components.

To request custom addressing or use of a different SAE J1939 PGN set, provide requirements below:

## Additional Comments

Please return this completed form to <u>AdvRequirementForms@emp-corp.com</u>.