



- Motor: Single phase, capacitor induction, 2/4 pole, inner rotor, thermal protection
- Motor Protection:
- Frame: Aluminum die cast, black color. Option: Natural color treatment
- Impeller: Plastic, rated UL94V-0
- Bearing: Two ball bearings
- Rotation: CCW view from label side
- Operating Temp: Ambient non-condensing allowable thermal range -20~ +75C
- Storage Temp:
- Life Expectancy: Indoor free air running test MTBF 80K hours at 35C, 30K hours at 60C
- Dielectric Strength: Over 1 min. at 1,500 VAC, 0.5mA, 50/60 Hz
- Insulation Resistance: Over 100 Mega Ohm at DC 500V
- IP Protection:
- Connection: Wire lead or Terminal flat pin connecting for choice
- Weight: 2,460 g (5.4 Lbs)

Dia.254x89mm/10x3.5inch, 860~340CFM

| Model No.                      | Rated Voltage | Voltage Range      | Freq. | Input Power                      | Rated Current                      | Ref. Speed                        | Max. Airflow                  | Max. Static Pressure                | Noise          |
|--------------------------------|---------------|--------------------|-------|----------------------------------|------------------------------------|-----------------------------------|-------------------------------|-------------------------------------|----------------|
|                                | VAC           | VAC                | Hz    | Watt                             | Amp                                | RPM                               | CFM                           | Inch/H2O                            | dB(A)          |
| TA8545R-H-110                  | 115           | 100~120            | 50/60 | 60/75(-108)                      | 0.7/0.99                           | 2600/2700                         | 820/860                       | 0.78/0.73                           | 65             |
| TA8545R-M-110                  | 115           | 100~120            | 50/60 | 45/55                            | 0.62/0.75                          | 2200/2000                         | 690/640                       | 0.65/0.54                           | 51             |
| TA8545R-L-110                  | 115           | 100~120            | 50/60 | 23/35                            | 0.26/0.27                          | 1450/1680                         | 450/535                       | 0.43/0.47                           | 45             |
| TA8545R-XL-110                 | 115           | 100~120            | 50/60 | 23/35                            | 0.19/0.21                          | 1200/1150                         | 370/340                       | 0.35/0.31                           | 32             |
| TA8545R-H/M-110 dual speed     | 115           | 100~120            | 50/60 | -1 60/75<br>-2 45/55             | -                                  | 2600/2700<br>2200/2000            | 820/860<br>690/640            | 0.78/0.73<br>0.65/0.54              | 65<br>51       |
| TA8545R-H/L-110 dual speed     | 115           | 100~120            | 50/60 | -1 60/75<br>-3 23/35<br>(-60)    | 0.788/0.995<br>0.507/0.544         | 2500/2400<br>1800/1600            | 790/760<br>560/520            | 0.74/0.65<br>0.54/0.43              | 65<br>48       |
| TA8545R-H-220                  | 230           | 200~240            | 50/60 | 60/75<br>(-108)                  | 0.35/0.51                          | 2600/2700                         | 820/860                       | 0.78/0.73                           | 65             |
| TA8545R-M-220                  | 230           | 200~240            | 50/60 | 45/55                            | 0.3/0.34                           | 2200/2000                         | 690/640                       | 0.65/0.54                           | 51             |
| TA8545R-L-220                  | 230           | 200~240            | 50/60 | 23/35                            | 0.14/0.13                          | 1450/1680                         | 450/535                       | 0.43/0.47                           | 45             |
| TA8545R-XL-220                 | 230           | 200~240            | 50/60 | 23/35                            | -                                  | 1200/1150                         | 370/340                       | 0.35/0.31                           | 32             |
| TA8545R-H/M-220 dual speed     | 230           | 200~240            | 50/60 | -1 60/75<br>-2 45/55             | 0.42/0.56<br>0.31/0.37             | 2600/2650<br>2200/2000            | 860/890<br>680/630            | 0.79/0.83<br>0.41/0.35              | 63<br>51       |
| TA8545R-H/M-L-220 triple speed | 230           | 200~240            | 50/60 | -1 60/75<br>-2 45/55<br>-3 23/35 | 0.46/0.6<br>0.29/0.32<br>0.18/0.17 | 2600/2650<br>2050/1850<br>800/700 | 860/890<br>680/630<br>260/235 | 0.79/0.83<br>0.62/0.57<br>0.25/0.23 | 63<br>51<br>21 |
| TA8545R-H-110/220 dual voltage | 115<br>230    | 100~120<br>200~240 | 50/60 | 60/75                            | 0.7/0.98<br>0.35/0.5               | 2600/2650                         | 820/850                       | 0.78/0.73                           | 63             |
| TA8545R-H-380                  | 380           | 380~420            | 50/60 | 75/105                           | 0.32/0.41                          | 2600/2650                         | 820/850                       | 0.78/0.73                           | 65             |
| TA8545R-H-440                  | 440           | 440~480            | 50/60 | 75/105                           | -                                  | 2600/2650                         | 820/850                       | 0.78/0.73                           | 65             |

Related Product Information

Please see our related items below for suggested products to use with this item:

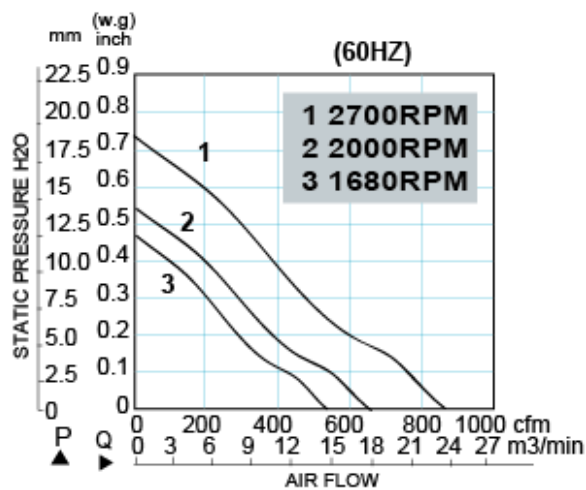
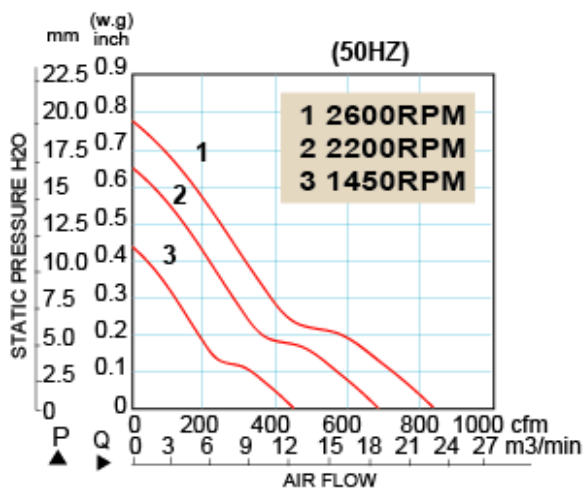
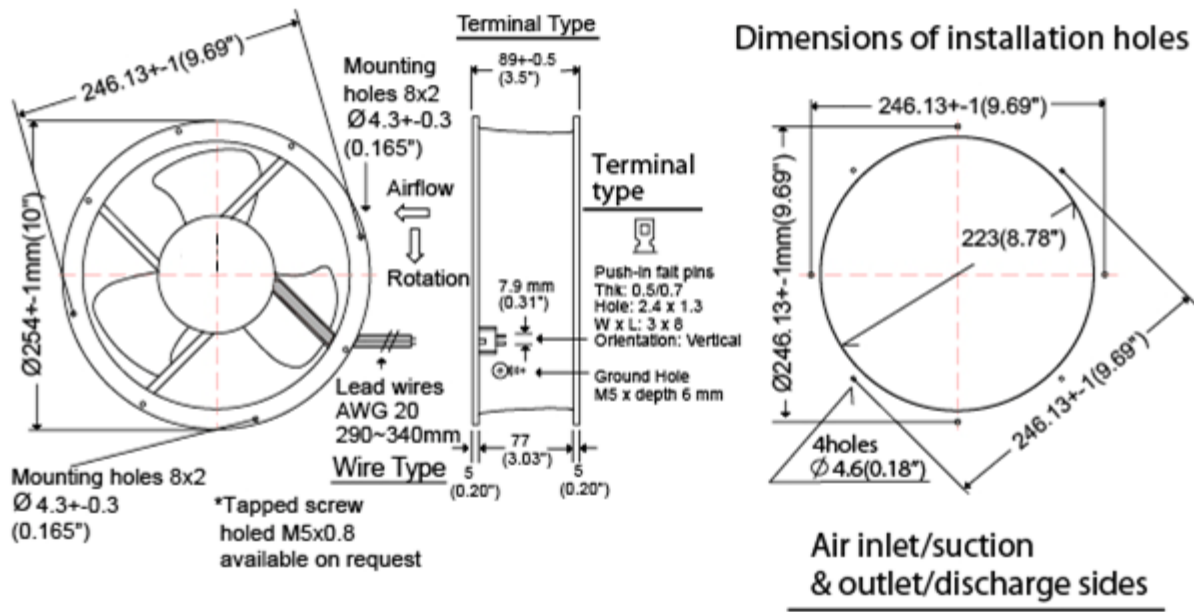
- Metal Fan Guard: TWG-254

Related Technical Information

-Optional Function Leads:

- Tachometer, speed sensor pulses 5V, input 4.5~27 VDC, 1 signal each revolution, or 2 signals each revolution available on request. Function-T
- AC Alarm Fan, DC Power supply alarm output, open collector or TTL available. Function-L Alarm DC input
- Fan abnormal speed alarm, Programmable CPU AC Power alarm output, open collector or TTL available on request. Function-V Programmable CPU Alarm
- AC Fan Dual Voltage Wiring Diagram : Dual fan voltage 115/230VAC

Fan Performance Curves and Dimensions



\* TEI reserves the right to change data and specs without notice\* Tests are at nominal rated voltage against zero static pressure\* Specifications subject to change without notice, data tolerance +-10%