



## Technical Specifications (18.0 Ft Epoch/3 Blade)

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| <b>Category</b>                             | Fan HVLS INDUSTRIAL Super Efficient Gearless PMSM: less than 800W Power Rating   |
| Motor Type                                  | Permanent Magnet Synchronous Motor, Gearless, Brushless  |
| Motor Insulation Class                      | Class H  |
| <b>Sweep Size</b>                           | 5500 mm  |
| <b>Length of Down Rod (Without Shackle)</b> | 1250 mm  |
| <b>No. of Blades</b>                        | 3  |
| Blade Profile                               | Airfoil Design   |
| Blade Material                              | Anodized/ 6061- T6 Aluminum  |
| Blade Struts                                | Clear Zinc/ High Tesile Steel  |
| Blade Width                                 | 187.53 mm  |
| Blade Thickness                             | 2 mm   |
| Blade End Winglets                          | Nylon  |
| Max Coverage Radius in Feet                 | 40   |
| Minimum Space from wall in feet             | 27   |
| Technology                                  | UPF ( Unity Power Factor Correction ) and PMSM ( Permanent Magnet Synchronous Motor)   |
| Max Speed RPM                               | 87   |
| Power Usage at Max RPM                      | <0.8 KW  |
| KVA Draw at Max RPM                         | <0.8KVA  |
| Input Current (A)                           | < 8.5 A Peak or 17A Peak to Peak or 6A RMS.  |
| Torque                                      | 0 to 90 Nm   |
| Standard Power                              | 180 to 277 V AC, 1 Phase, 50 or 60 Hz  |
| Power Factor                                | >0.95  |
| Max Coverage                                | 12,600 sq.ft. (1,170 sq.m)   |
| Air Flow (Cubic ft/ Min)                    | 270,000 to 300,000   |
| Approx. Fan Weight (Kgs. /lbs.)             | 71/156   |
| Sound                                       | <35dB  |
| Height from Floor in ft.                    | 23   |
| Operating units Available options           | Wired Remote   |
| Safety                                      | Safety Guy wire for motor and for each blade   |
|   | Design for UL507 Safety System for Fans  |
|   | Designed for UL1004 Safety System for Motors   |
|   | Designed for UL60730-2-9 and UL508C Safety System for Drives.  |
|   | Fan Mechanical Safety System incorporates Automotive Grade Hub and Guy Wires.  |
| Certifications                              | All fans should meet the applicable requirements of EU Council Directive 2014/35/EU and the European Standards EN60335-1:2012 & EN60335-2-80: 2003/A2:2009 |
|   | UL507: 2017 Ed.10 Electric Fans ETL Listed;  |
|   | CSA 22.2#113:2015 Ed.10+U1 Fans and Ventilators ETL Listed;  |
|   | Sound Certificate by NABL accredited lab.  |
| <b>Make in India Content</b>                | > 70%  |