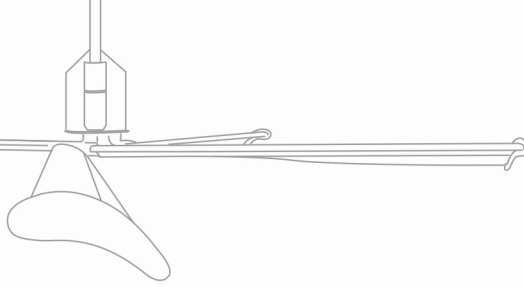


**Model ASGL166 | Rev 09**

**Technical Data Sheet**



|     | Parameter         | Specification                            |
|-----|-------------------|------------------------------------------|
| 1.  | Make              | "AUSTAR"                                 |
| 2.  | Model No.         | ASGL166                                  |
| 3.  | Model Update      | Update 8.0                               |
| 4.  | Fan Size          | 16ft Dia ( 4.9 m )                       |
| 5.  | No. of Blades     | 6 No.s                                   |
| 6.  | Air Volume        | 355000 CFM                               |
| 7.  | Power Consumption | 0.75 KW                                  |
| 8.  | Motor Torque      | 160 Nm                                   |
| 9.  | Speed             | 70 rpm Maximum ( Variable from 0 to 70 ) |
| 10. | Noise             | < 40 db                                  |
| 11. | Input Power       | Single Phase 230V 50Hz                   |
| 12. | Weight            | 110 Kgs                                  |



| Parameter |               | Specification                                                                                                              |
|-----------|---------------|----------------------------------------------------------------------------------------------------------------------------|
| 13.       | Construction  | Mounting Structure                                                                                                         |
|           |               | Laser Cut M.S. with minimum plate thickness 8mm                                                                            |
|           |               | Fasteners                                                                                                                  |
|           |               | High Tensile 10.9 Grade HEX Bolts (Unbrako / TVS make)                                                                     |
| 14.       | Blades        | Motor Mounting Bracket                                                                                                     |
|           |               | Laser Cut M.S. with minimum plate thickness 8mm                                                                            |
|           |               | Extension Tube                                                                                                             |
|           |               | 3" Square Pipe of Reputed make Asian / Apollo / Surya                                                                      |
| 15.       | Motor         | Design                                                                                                                     |
|           |               | Cambered Aerofoil Design                                                                                                   |
|           |               | M.O.C                                                                                                                      |
|           |               | Aluminum 6063 T6                                                                                                           |
| 16.       | Control Penal | Sectional Width                                                                                                            |
|           |               | 190mm                                                                                                                      |
|           |               | No. of Ribs                                                                                                                |
|           |               | 2 Ribs                                                                                                                     |
| 17.       | Motor         | Type                                                                                                                       |
|           |               | Direct Driven PMSM Type Outer Rotor Liquid + Air Cooled                                                                    |
|           |               | Origin                                                                                                                     |
|           |               | Made in INDIA                                                                                                              |
| 18.       | Motor         | Magnets Grade                                                                                                              |
|           |               | N45SH                                                                                                                      |
|           |               | Insulation Class                                                                                                           |
|           |               | H Class                                                                                                                    |
| 19.       | Motor         | Top & Bottom Plate                                                                                                         |
|           |               | Aluminum ( No Sheet metal )                                                                                                |
| 20.       | Control Penal | Mounting                                                                                                                   |
|           |               | Wall Mounting 4 – 5 ft from Floor Level                                                                                    |
|           |               | Features                                                                                                                   |
|           |               | START – STOP with Green and Red display, Speed Adjustment. Emergency STOP. Display to show Speed & other status parameters |
| 21.       | Control Penal | Type of controller                                                                                                         |
|           |               | Variable Frequency Drive.                                                                                                  |
|           |               | VFD Make                                                                                                                   |
|           |               | 'DELTA ' Make                                                                                                              |
| 22.       | Control Penal | Enclosure                                                                                                                  |
|           |               | IP 54, Power Coated Steel cabinet                                                                                          |
|           |               | Compatibility                                                                                                              |
|           |               | BMS Compatibility                                                                                                          |

|     |                        | Certification | Compliance to CE requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----|------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17. | Safety                 | Anti Fall     | <ul style="list-style-type: none"> <li>- All Nuts are self locking type Nylock Nuts which eliminates chances of loosening.</li> <li>- As additional Safety All Bolted joints are wrapped with 8mm dia wire Rope.</li> <li>- 4 Nos 8mm Dia Wire Ropes for Fan Balancing.</li> <li>- Extension Tube, Motor &amp; Hub assembly with Antifall Mounting Bracket. Protection against fall even in case of Motor / Extension tube bolts failure.</li> <li>- Single Piece hub and Safety ring to interlock Blades to each other.</li> </ul> |
| 18. | Color                  |               | Matt Black, Silver, Pure White, Dark Gray<br>OR Customized as per RAL No                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 19. | Warranty               |               | <p>Motor : 2 Years ( Replacement warranty )<br/>Controller &amp; VFD : 2 Years ( Replacement warranty )</p> <p>Blades, Hub, Extension Tube, Mounting Structure :<br/>5 Years ( Replacement Warranty )</p>                                                                                                                                                                                                                                                                                                                           |
| 20. | After Warranty Support |               | <p>Motor : Repairable &amp; spares availability of life time<br/>Controller : Repairable &amp; spares availability of life time</p>                                                                                                                                                                                                                                                                                                                                                                                                 |