

INDUSTRIAL FIBERGLASS IMPELLERS

PRODUCT DATA SHEET

Typical Applications: Agriculture, Livestock Cooling & Ventilating Systems, Small/Packaged Cooling Towers, General Purpose Industrial HVAC

| IMPELLER SERIES | SW | | SE | |
|-----------------------------------|---|---------------------|-------------------------------------|---------------------|
| AVAILABLE AIRFOILS | P1, P2 | | E1, E2 | |
| BLADE PITCH ANGLE | Fixed | | Fixed | |
| STANDARD IMPELLER DIAMETER | English | Metric | English | Metric |
| | 20" | 508 mm | 20" | 508 mm |
| | 24" | 609 mm | 24" | 609 mm |
| | 30" | 762 mm | 30" | 762 mm |
| | 36" | 914 mm | 36" | 914 mm |
| | 42" | 1066 mm | 42" | 1066 mm |
| | 48" | 1219 mm | 48" | 1219 mm |
| | 54" | 1371 mm | 54" | 1371 mm |
| | 60" | 1524 mm | 60" | 1524 mm |
| NO. OF BLADES | Minimum | Maximum | Minimum | Maximum |
| | 2 | 5 | 6 | 9 |
| MATERIAL OF CONSTRUCTION | BLADE: Solid Core Glass Fiber Reinforcement CAST BODY OF HUB: Aluminum BS1940 Grade LM-6 CAST IRON CENTER SPOOL INSERT OF HUB: Standard IS210-1993 Grade FG200 HARDWARE: Standard IS1367 Grade 8.8 Steel | | | |
| RECOMMENDED STANDARD BUSHING TYPE | H | | P1 | |
| STANDARD BUSHING BORE RANGE | English | Metric | English | Metric |
| | 0.375" - 1.5" | 9.525 mm to 38.1 mm | 0.5" - 1.75" | 12.7 mm to 44.45 mm |
| BLADE COATING | Gel Coat Layered With Red Automotive UV & Weather Resistant Polyurethane Paint | | | |
| OPERATING TEMPERATURE | Maximum Continuous | | Intermittent | |
| | 165° F (93° C) | | 165+° F to 200° F (74+° C to 93° C) | |
| BALANCING STANDARD | ISO 1940 G 6.3 | | | |
| MAX. RECOMMENDED TIP SPEED | 12000 Feet Per Minute (3658 Meters Per Minute) | | | |