Environmental / Chemical Processing Blowers

EN 505 & CP 505

2.0 / 2.5 HP Sealed Regenerative w/Explosion-Proof Motor

FEATURES

- Manufactured in the USA ISO 9001 and NAFTA compliant
- Maximum flow: 150 SCFM
- Maximum pressure: 75 IWG
- Maximum vacuum: 70 IWG
- Standard motor: 2.0 HP, explosion-proof
- Cast aluminum blower housing, impeller , cover & manifold; cast iron flanges (threaded); teflon[®] lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- · Quiet operation within OSHA standards

MOTOR OPTIONS

- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

BLOWER OPTIONS

- · Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- · Slip-on or face flanges for application-specific needs

ACCESSORIES

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package



Blower Performance at Standard Conditions 60 Hz 50 Hz Air Flow Rate - m³/hour Air Flow Rate - m³/hour 51 77 102 127 153 178 204 229 255 77 102 127 153 204 229 255 280 0 280 0 26 51 178 90 224 ۵n 224 Legend Legend 75 187 75 Pressure: Suction: 187 Pressure: --- -Suction: EN505AX72ML EN505AX72ML 60 149 60 149 EN505AX58ML EN505AX58ML Inches of Water Inches of Wate 45 112 nbar 45 112 nbar 75 30 75 30 37 37 15 15 0 0 0 0 30 120 135 150 165 30 120 135 150 165 0 15 45 60 75 90 105 15 45 60 75 90 105 Air Flow Rate - SCFM Air Flow Rate - SCFM 100 100 Motor Winding Motor Winding Rise °C Temp Rise °C 50 ſemp 0 n Temperature curves are based on standard model Temperature curves are based on standard model . . 100 100 Femp Rise °C Temp Rise °C Air Blower Air 50 Blower . 0

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK rechnical & Industrial Products Sales department.



AMETEK DYNAMIC FLUID SOLUTIONS 75 North Street, Saugerties, NY 12477 USA: +1 21-526-6601 - Europe: +49 7703 930909 - Asia: +86 21 5763 1258 Customer Service Fax: +1 215.256.1338 www.ametkefts.com

D 10

ROTRON[®]