

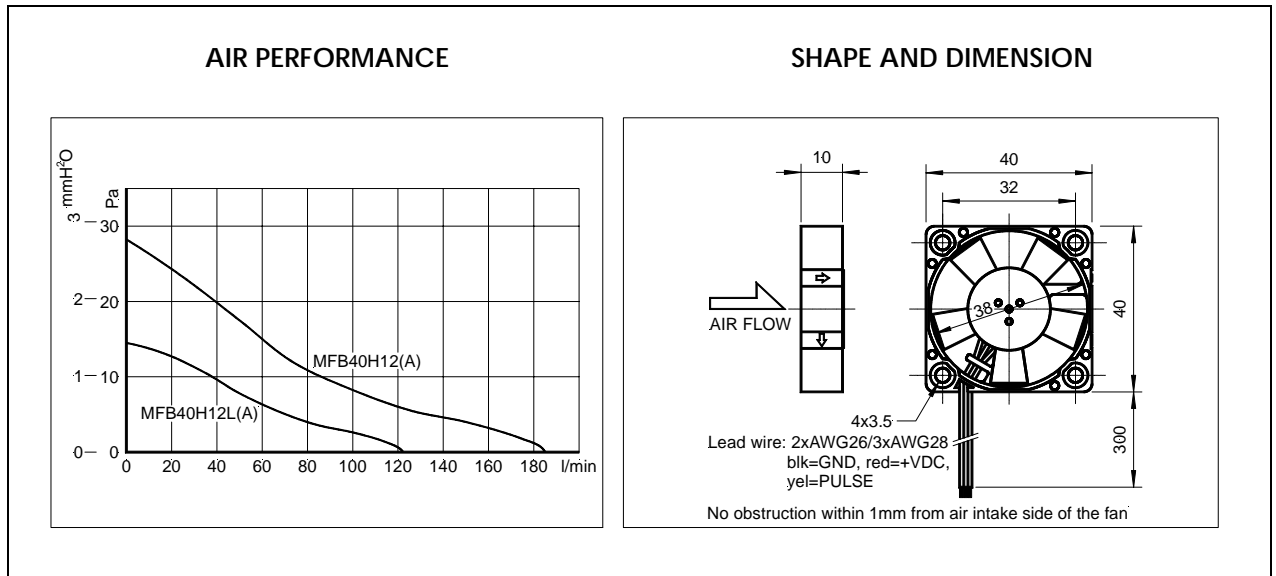
SEPA[®] BRUSHLESS FAN

MFB40H12L(A) , MFB40H12(A)



HIGH RELIABILITY FAN

AUTOMOTIVE FAN



PERFORMANCE

| CE | MFB40H12L(A) | MFB40H12(A) (Standard model) |
|---|-------------------------------------|---------------------------------|
| Operating Voltage [V] | 10.2 ... 12 ... 13.8 | |
| Operating Current [mA] | 50 | 40 |
| Rated Current blocked rotor (restart system) [mA] | (70) | (90) |
| Max. Air Flow [l/min - m ³ /h] | 121 - 7.3 | 185 - 11.1 |
| Max. Air Pressure [mmH ₂ O - Pa] | 1.4 - 14 | 2.9 - 28 |
| Noise @ 1m (typ.) [dB(A)] | 18 | 24 |
| Operating Temperature [°C] | -40 ... +80 (85) | |
| Rotor Speed [RPM] | 3900 | 6100 ±20% |
| Life Expectancy L ₁₀ /MTBF [h] | 95000/280000@20°C, 29000/80000@70°C | |
| Bearing System | ball bearings in metal flange | |
| Weight [g] | 13 | |
| Pulse Output (MFB40H12xA) | 2 pulse / rev. | |
| Packing Quantity [PCs] | 50 - 100 - 500 | |

This **SEPA**[®] high-tech miniature fan is suitable for industrial or automotive use and has a remarkable air flow performance despite its small dimensions. Due to a nearly linear air performance characteristic, the fan is applicable for different uses. It is permanently protected electrically against reverse polarity, blocking and thermal overloading (by IC). Due to the low rotor weight and precision balancing, it is virtually vibration-free. It is also insensitive to shock.

Further features of this fan are its extremely robust and torsionally rigid plastic housing of PBT (UL E54695), ball bearings with narrow tolerances, of special steel, polyester-based PCB (UL E44247) and absolute reliability due to 100% burn-in.

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