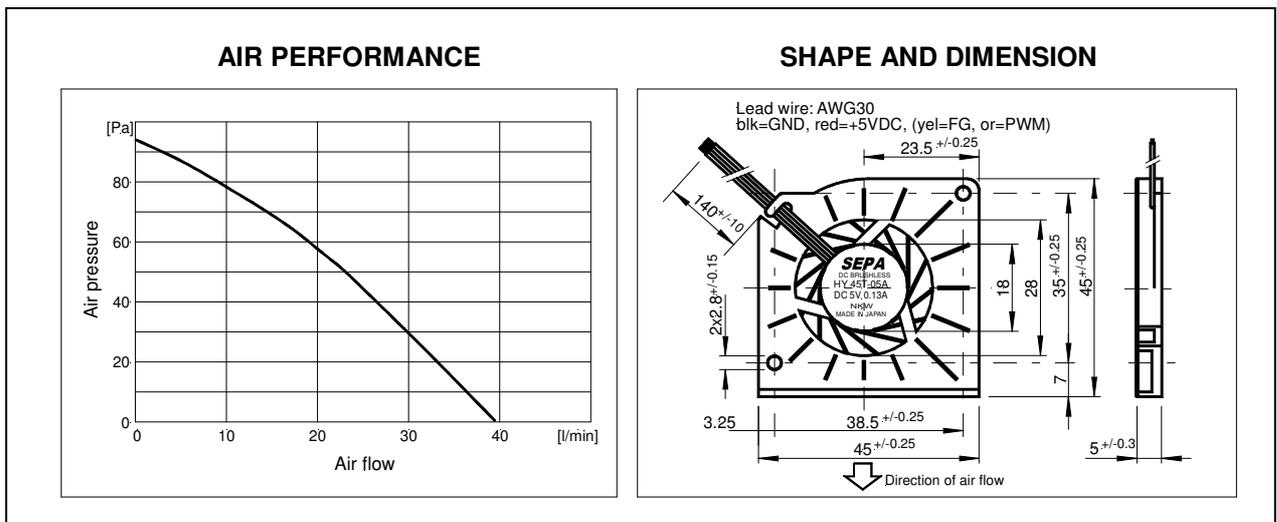


HY45T05-830

ECO FAN



PERFORMANCE

CE	HY45T05-830	
Operating voltage	[VDC]	4.5 ... 5 ... 5.5
Typ. operating current	[mA]	150
Max. start current	[mA]	250
Max. air flow	[l/min – m ³ /h]	38 – 2.3
Max. air pressure	[Pa – mmH ² O]	94 – 9.6
Typ. noise (1m dist. from air intake side)	[dB(A)]	27
Typ. rotor speed	[RPM]	5200
FG	[PPR]	2
PWM-Input voltage	[VDC]	2.5 ... Vcc
Operating temperature	[°C]	-10 ... +80
Life expectancy L10/MTBF@ 40°C	[h]	40000/210000
Bearing system		Magfix sleeve bearing
Weight	[g]	9
Standard packing quantity	[Pcs.]	50-100-500

This radial **SEPA**[®] high-tech ECO fan is suitable for industrial or automotive use and has a remarkable air flow performance despite its small dimensions. Thanks to the extremely low power input, this fan is highly suitable for battery-operated devices. It is permanently protected electrically against reverse polarity, blocking and thermal overloading. 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 stiff housing of PBT GV, Magfix-sleeve bearing system, polyester-based PCB and absolute reliability due to a 100% burn-in.

Technical changes without notice • 11/16

HY45T05-830

ECO FAN

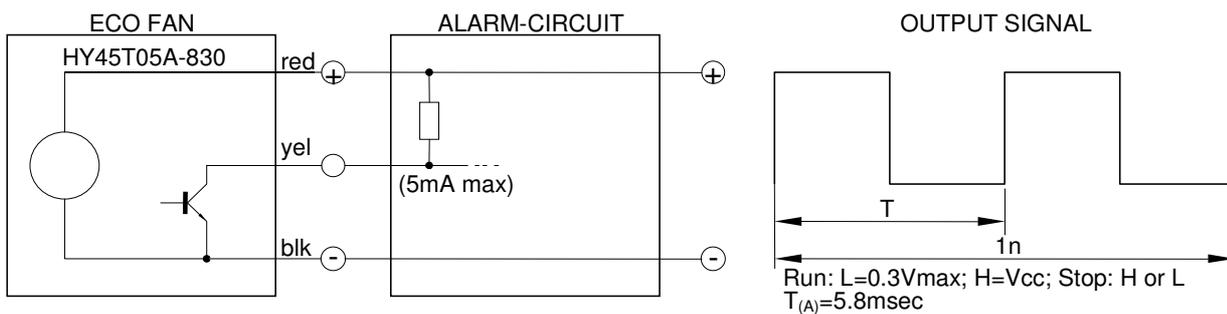


• ALARM SIGNAL (Optional)

The **SEPA**® fan HY45T05-830 includes a pulse output, which allows monitoring the correct function of the fan.

The pulse is like a rectangular wave, the frequency correlates to 2x rotor speed. The amplitude is about 5V_{ss} and appears periodically. At blocked rotor the output signal could be L ($\leq 0,3V$) or H (5 V).

IMPORTANT: The pulse output is not protected against short circuit and must not connect to GND or V_{cc} without pre-resistor. A pull-up-resistor is not needed. Do not connect not used pulse output (insolate).



• PWM

The **SEPA**® fan HY45T05-830 includes a TTL-compatible PWM-control-input (L=OFF, H=ON):
 L=0.7V_{max}; H=2.5...V_{cc}; f=23kHz; PWM duty percentage: 30...100%, 35% min at startup. When the fan power supply is off, no PWM-input signal is allowed.

The fan HY45T05-830 has tinned lead wire ends (without connector).

Do not touch the rotor! Please note the handling specification!

• ACCESSORIES:

Connector: on request

• ORDER INFORMATION (Delivery time on request)

HY45T05-830 **SEPA**® ECO fan, 45x45x5mm, 5VDC, Magfix sleeve bearing, FG, PWM, **CE** 104501050

SEPA® is the brand name for fans and CPU-cooler, made by Nippon Keiki Works LTD., Tokyo