

PRODUCT CARD 1-2-0294-7564

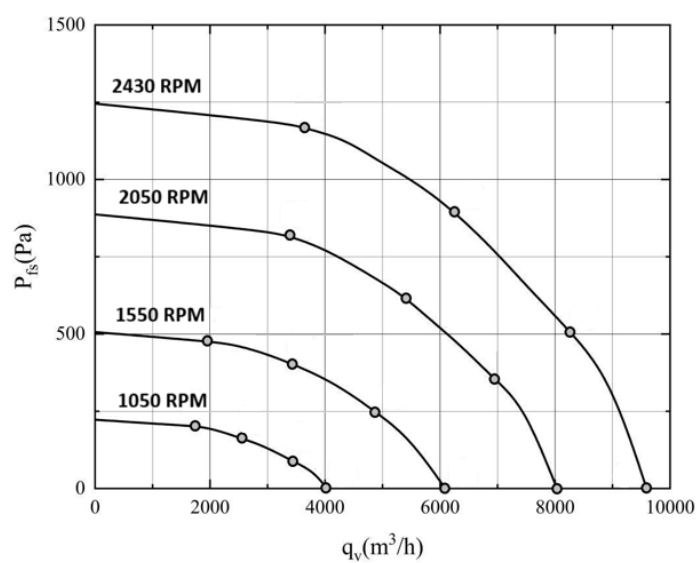
PLUG.FAN.ASM EC137/80D3G81-B400/140A2-11-Z (WG 400-2.7)



Rated data

Type	EC137/80D3G81-B400/140A2-11-Z	
Phase	3~	
Rated voltage	VAC	400
Rated voltage range	VAC	380 ~ 480
Frequency	Hz	50/60
Speed (rpm)	min-1	2430
Power	W	2700
Current	A	4.2
Minimum ambient temperature	°C	-40
Maximum ambient temperature	°C	40

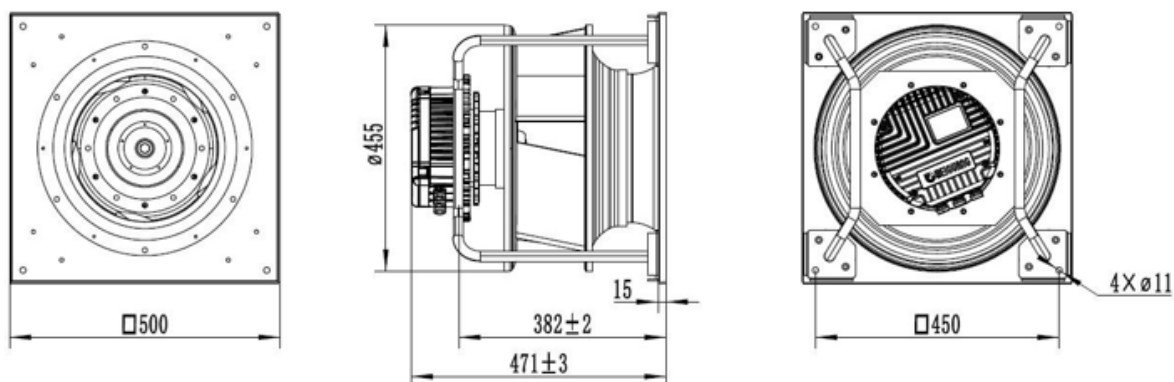
Performance curve



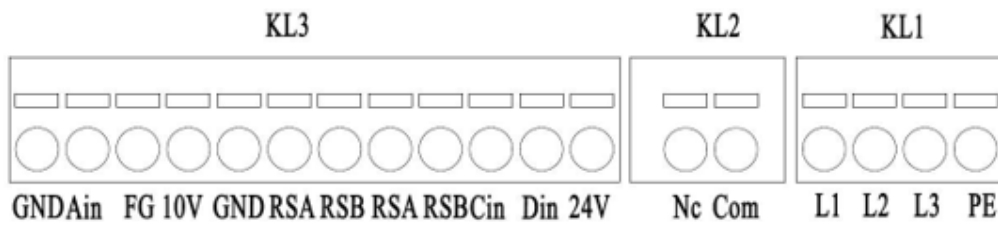
Technical description

Net weight	30kg
Gross weight	32kg
Housing dimensions	52cm*52cm*50cm
Ingress protection	IP54
Installation type	Mounting: horizontal shaft or rotor downwards
Insulation class	F
Storage temperature	-40°C ~ +80°C
Duty	S1
Vibration	≤ 4,6 mm/s
Start-up voltage	1V
Breakdown voltage	DC2500V/1 min
Control characteristics	0-10 VDC / PWM Speed control 0-10 VDC / PWM
	Output terminal +10VDC, max. 3,5 mA
	Integrated PID controller
	Motor overtemperature protection
	Soft start
	RS485 MODBUS-RTU
	Alarm relay
	Protection against voltage/phase failure

Drawing



Connections



Terminal	No.	Connection	Function
KL1	1	L1	Supply phase conductor, voltage range as shown on the nameplate
	2	L2	Supply phase conductor, voltage range as shown on the nameplate
	3	L3	Supply phase conductor, voltage range as shown on the nameplate
	4	PE	Protective earth
KL2	1	NC	Status relay
	2	COM	Status relay: 250 VAC / 2 A (AC-1), min. 10 mA
KL3	1	GND	Reference ground for the control interface
	2	Ain (0-10V/ PWM)	Control input 0-10V or PWM, internal impedance 100K
	3	FG(Tacho)	Tacho output: 1 pulse per revolution
	4	10V (+10V/ maks.3,5mA)	Output voltage, power supply for an external device
	5	GND	Reference ground for the control interface
	6, 8	RSA	RS485 interface for MODBUS, RSA
	7, 9	RSB	RS485 interface for MODBUS, RSB
	10	Cin (4-20mA)	Input control current: 4–20 mA (measured), Rin = 124 Ω
	11	DIN	Digital input 5-50VDC enables electronics Active state: voltage > 3 VDC; Inactive state: voltage < 1.5 VDC
	12	24V (+24V/ Max. 30mA)	Output voltage; power supply for an external device