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Nominal Data

Model		LWAE3G630SS-5PKW-10
Nominal Voltage :	[VAC]	230
Voltage Range :	[VAC]	176-264
Frequency :	[Hz]	50/60
Speed :	[rpm]	1086
Current :	[A]	2.96
Power input :	[W]	679
Air flow (Max) :	[m3/h]	12777
	[CFM]	7605
Static pressure (Max) :	[Pa]	188
Noise level :	dB(A)	70
Min.ambient Temp :	°C	-25
Max.ambient Temp :	°C	+ 60

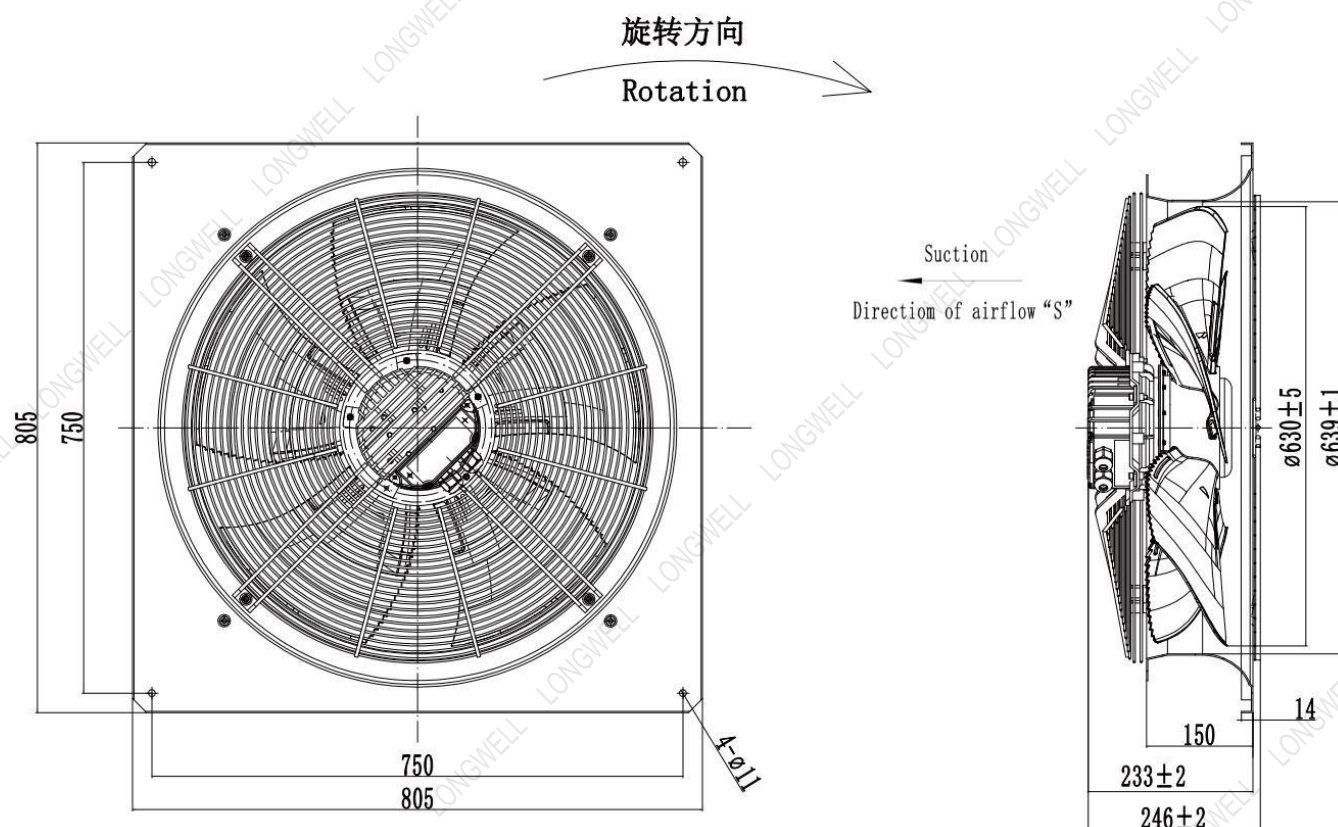
Technical Features

Material :	PA66 (Impeller)
Life Expectance :	40,000Hours(L10), At 40°C room, humidity 15%~65%RH
Service environment :	Operating temperature : -25~60°C ; Operating humidity : 0 ~ 85 % RH Storing temperature : -25 ~ 70°C ; Storing humidity : 0 ~ 95 % RH Applicable altitude range : < 1000m
Insulation Class :	Class F (155°C)
Protection Type :	IP54
Speed Control :	Control input 0~10VDC/PWM/RS485
Production standard :	GB12350《Safety requirements of small power motors》 JB/T10562 《technical specification for general purposes axial fans》 EN60335-1《Household and similar electrical appliances-safety》 ISO5801-1997《Industrial fans-performance testing using standardized airways》 GB/T2888《 Methods of Noise Measurement for Fans Blowers Compressors and Roots Blowers》
Balancing :	At the rated voltage and frequency,the residual unbalance of the fan is not less than G6.3 (balancing precision grade)in each plane,according with JB/T9101
Vibration of the fan :	Vibration speed virtual value of fans accord with JB/T8689

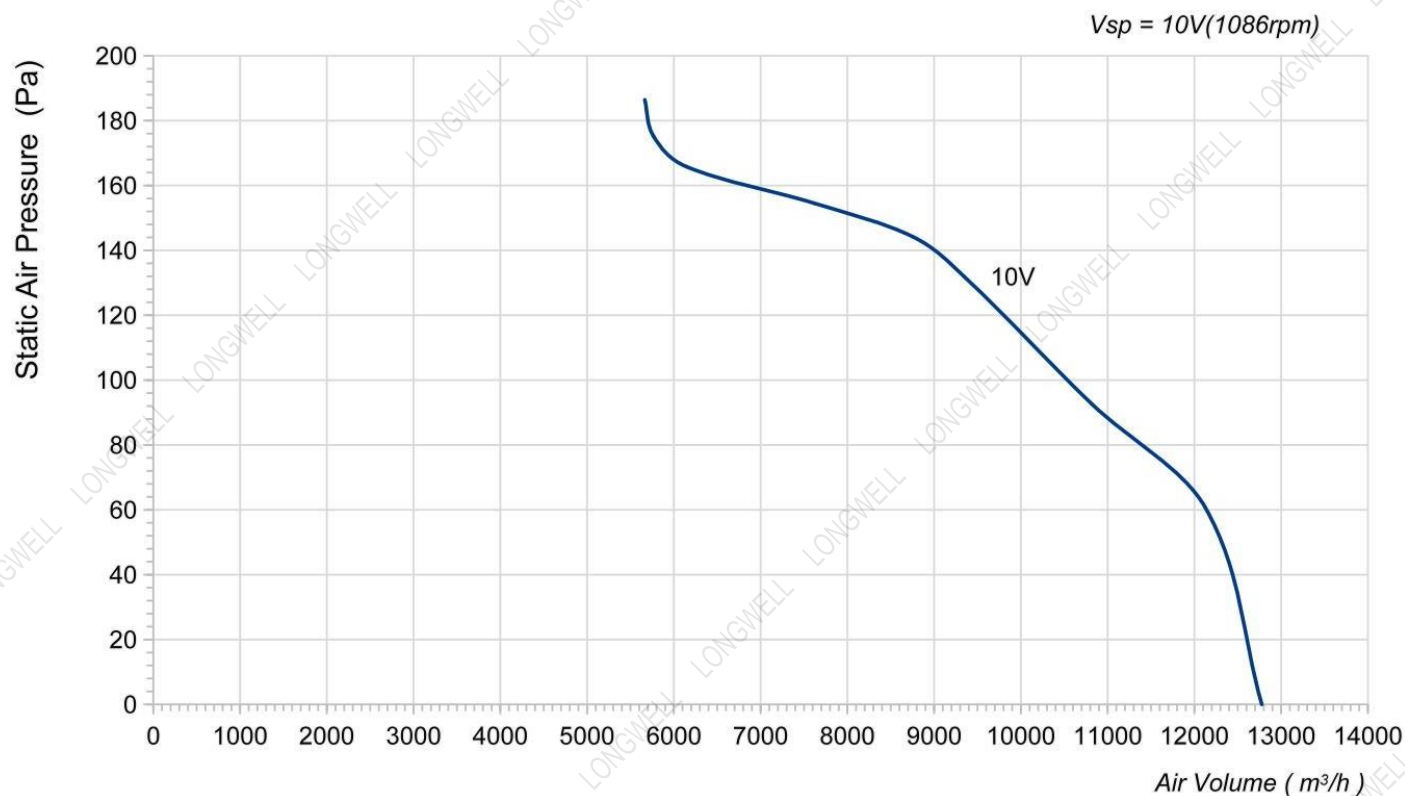
Electrical Protection

Control signal and speed relationship	Control signal VSP voltage range1.0±10VDC. PWM signal : frequency 1K~10KHz amplitude 10V duty cycle 0%~100%
Protection	Current limiting protection 、 Over-temperature protection、 Over-current protection Locked-rotor protection、 Over-voltage and under-voltage protection Input power supply lacks phase protection
Soft start	Delay time <20 seconds to full speed
EMC	Electromagnetic radiation in accordance with GB9254 provisions
Serial Communication	/

Product Drawing



Charts :Air Flow



Wiring Diagram

NO.	Function	Functional description	NO.	Function	Functional description
PE	PE	Ground lead	P3	4~20mA	Analogue control input 4~20mA
P1	N	Naught line		20V	Fixd voltage out 20VDC
	L	Live line		10V	Fixed voltage output 10VDC
P2	NO	Status relay, normally open; close with error		0~10V/PWM	Speed regulation signal input terminal, 0~10V or PWM
	COM	Status relay, common connection		GND	Ground reference end of control signal
	NC	Status relay, normally turn-off; break with error		FG	Speed Signal Feedback
				RS485A	Bus connection RS485; RSA; MODBUS RTU
				RS485B	Bus connection RS485; RSB; MODBUS RTU

PE	P1			P2			P3							
PE	N		L	NO	COM	NC	4~20mA	20V	10V	0~10V	GND	FG	RSA	RSB

Label