风机/风扇能效Erp认证-欧盟ce-(EU) No 327/2011

产品名称	风机/风扇能效Erp认证-欧盟ce-(EU) No 327/2011
公司名称	深圳市实测通技术服务有限公司
价格	.00/个
规格参数	服务1:速度快 服务2:价格优 服务3:包通过
公司地址	深圳市罗湖区翠竹街道翠宁社区太宁路145号二单元705
联系电话	17324413130 17324413130

产品详情

REGULATION (EU) No 327/2011风机/风扇Erp能效法规-欧盟CE认证

COMMISSION REGULATION (EU) No 327/2011 of 30 March 2011 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW

(EU) No 327/2011关于电机驱动的风机的电力输入功率在125 W至500 kW之间的能效要求

1 适用范围

‘ Fan ’ means a rotary bladed machine that is used to maintain a continuous flow of gas, typically air, passing through it and whose work per unit mass does not exceed 25 kJ/kg, and which: “ 风机 ” 指的是一种旋转叶片的机

器，用于保持气体(通常是空气)的连续流动，通过风机，其单位质量的工作不超过25千焦/公斤，并且:

— is designed for use with or equipped with an electrical motor with an electric input power between 125 W and 500 kW (≥ 125 W and ≤ 500 kW) to drive the impeller at its optimum energy efficiency point, 配合或配用电输入功率在125w ~ 500kw(≥125w ~≤500kw)的电动机，在最佳能效点驱动叶轮，

— is an axial fan, centrifugal fan, cross flow fan or mixed flow fan, 是轴流风机、离心风机、横流风机或混流风机，

— may or may not be equipped with a motor when placed on the market or put into service; 在投放市场或投入使用时，可配备或不配备电机;

2 Measurement category测量分类

1) ‘ Measurement category A ’ means an arrangement where the fan is measured with free inlet and outlet conditions.

2) ‘ Measurement category B ’ means an arrangement where the fan is measured with free inlet and with a duct fitted to its outlet.

3) ‘ Measurement category C ’ means an arrangement where the fan is measured with a duct fitted to its inlet and with free outlet conditions.

4) ‘ Measurement category D ’ means an arrangement where the fan is measured with a duct fitted to its inlet and outlet.

3 target energy efficiency ’ (η target)目标能效如何计算？

示例：轴流风扇Axial fan

4 Calculation method风机能效计算方法

$\eta e = Pu(s) / Pe$

where:

η e is the overall efficiency;

P u(s) is the fan gas power, determined according to point 3.3, of the fan when it is operating at its optimal energy efficiency point;

P e is the power measured at the mains input terminals to the motor of the fan when the fan is operating at its optimal energy efficiency point;

其中风量功率gas power, Pu(s)按照如下公式计算

(a) where the fan has been measured according to measurement category A, fan static gas power P us is used from the equation P us = q p sf k ps ;

(b) where the fan has been measured according to measurement category B, fan gas power P u is used from the equation P u = q p f k p ;

(c) where the fan has been measured according to measurement category C, fan static gas power P us is used from the equation P us = q p sf k ps ;

(d) where the fan has been measured according to measurement category D, fan gas power P u is used from the equation P u = q p f k p .

5 能效要求

$\eta e \geq \eta$ target

6 欧盟Erp能效认证流程

提交申请

测量和计算风机能效

能效标识加贴

Erp能效注册