



Note: Document originally drafted in the English language.
注释：文件最初用英语起草。

Product Description

The MX100™ housing is used for rotating anode inserts having 100mm (4 inch) diameter targets.

IEC Classification Class 1

Weight, Approximate:

Housing & Tube 26.3 kg (58 lbs)

Mounting Housing Bosses

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产品说明

MX100™ 管套适用于具有 100 mm (4.0 in.) 直径靶盘的旋转阳极管芯。

IEC 分级： 1 类

近似重量：

管和管套： 26.3 kg (58 lbs)

安装 管套轮毂

™ 所有商标均属于各自的生产商

Product Description

Maximum Potential Difference 150 kV
 Cathode to Ground 82 kV
 Anode to Ground 82 kV
 Grid to Cathode (If Applicable) -4 kV

Grid Control Voltages:
 Typical Bias Voltage for Cutoff at 150 kV -3600 Vdc
 Grid Voltage for Exposure 0 Vdc

Maximum X-Ray Tube Assembly Heat Content
 1,110 kJ (1,554 kHU)

Maximum Continuous Heat Dissipation
 with Air Circulator 740 W (1,036 HU/sec)

Maximum Housing Temperature 78°C

X-Ray Tube Assembly
 Permanent Filtration 0.7mm Al IEC 60522

Loading Factors for Leakage Radiation 150 kV, 4.0 mA

Temperature Limits for Storage and Transport
 -9°C to + 70°C
 Humidity 10% to 90%
 Atmospheric Pressure Range 70 kPa to 106 kPa

Thermal Switch Normally Open
 6A @ 125 Vac or 7A @ 30 Vac/dc
 Close 130°F (±5.0°F)
 Open 110°F (±5.0°F)

Pressure Switch Normally Closed
 1A @ 125 Vac or 30 Vdc
 Open 5 PSIG (±1.0 PSIG)
 Close 4 PSIG (±1.0 PSIG)

X-Ray Tube Assembly (Complies to) IEC 60601-2-28

产品说明

最大电位差值 150 kV
 阴极到地 82 kV
 阳极到地 82 kV
 栅极与阴极的电压如果适用 -4 kV

栅极控制电压:
 150 kV 切断时典型偏压 -3600 Vdc
 曝光的栅极电压 0 Vdc

X 射线管组件最大热含量 1,110 kJ (1,554 kHU)

风扇的最大连续散热 740 W (1,036 HU/sec)

最大管套温度 78°C

X 射线管组件:
 固有滤过 0.7mm Al IEC 60522

泄漏辐射测试条件: 150 kV, 4.0 mA

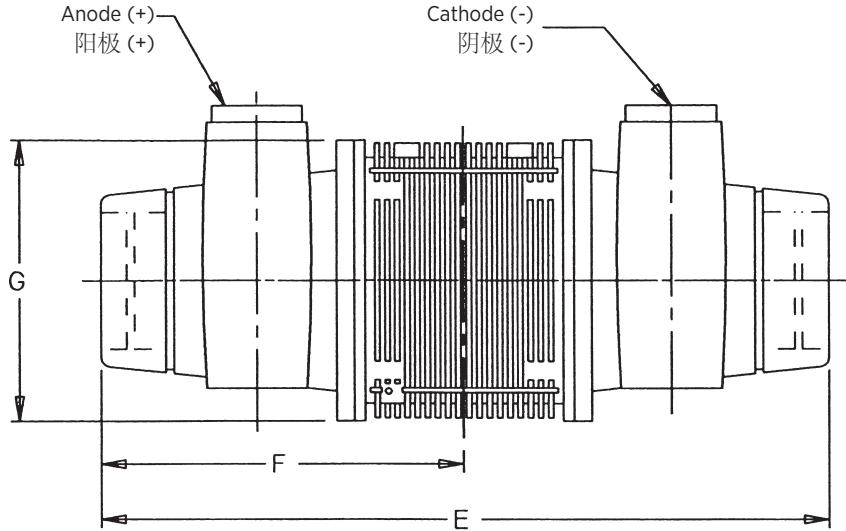
存储与运输温度限值 -9°C 到 +70°C
 湿度 10% 到 90%
 大气压范围 70 kPa - 106 kPa

热控开关 正常开启
 6A @ 125 Vac 或 7A @ 30 Vac/dc
 关闭 130°F (±5.0°F)
 打开 110°F (±5.0°F)

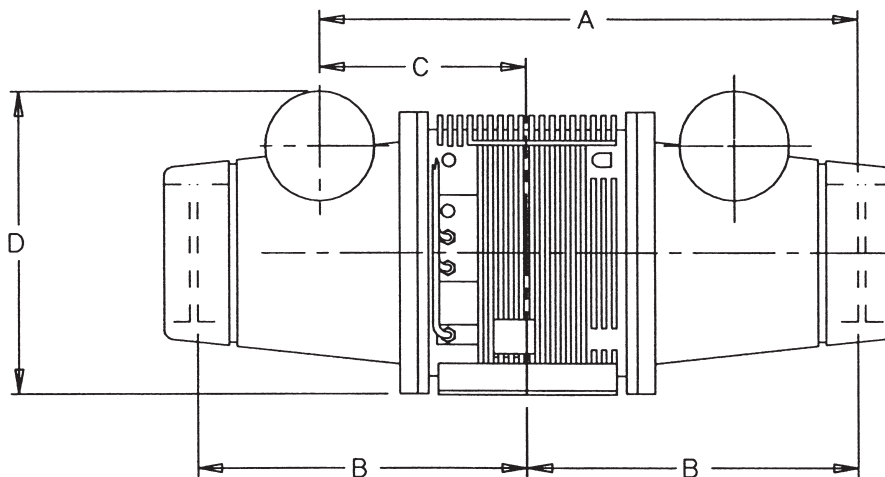
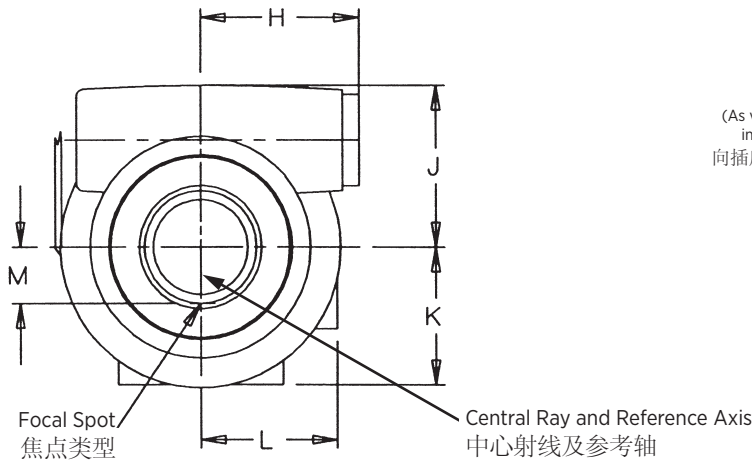
压力开关: 正常闭合
 1A @ 125 Vac 或 30 Vdc
 打开 5 PSIG (±1.0 PSIG)
 关闭 4 PSIG (±1.0 PSIG)

X 射线管组件 (符合) IEC 60601-2-28

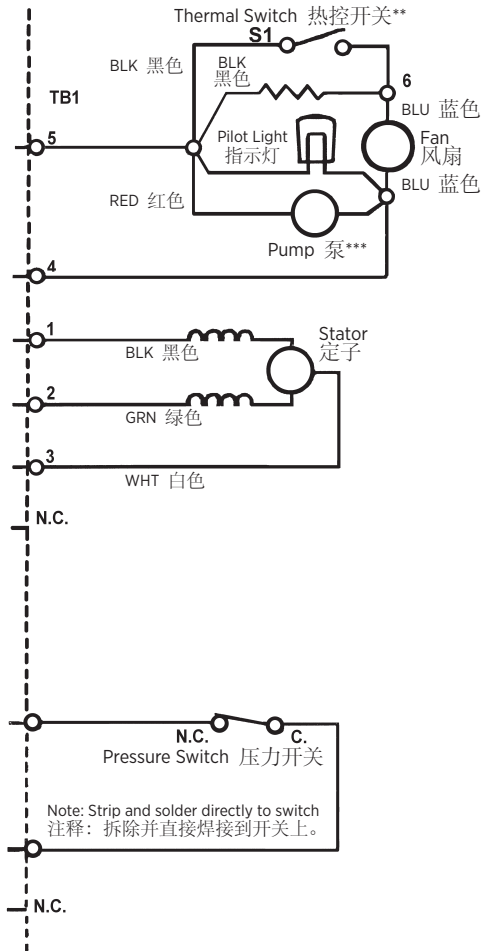
Dimensions are for reference only
维度是供仅供参考



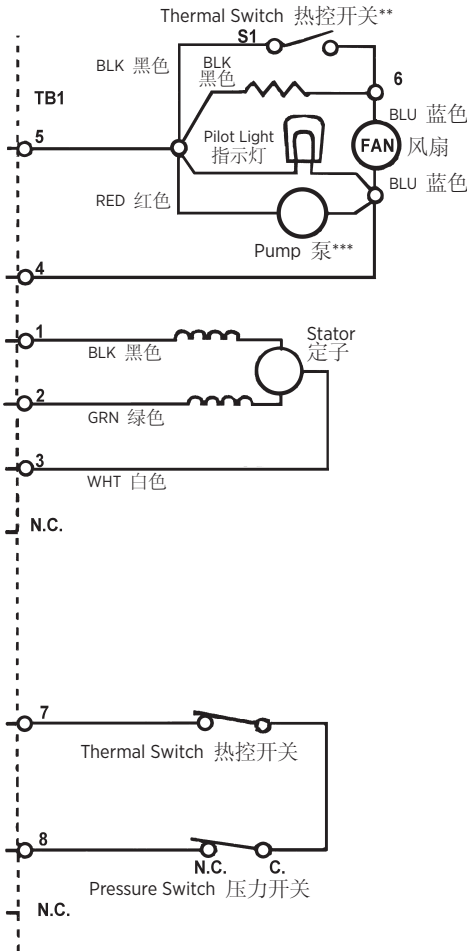
尺寸数据		
	英寸	毫米
A	11.76	298.7
B	9.40	238.8
C	5.89	148.5
D	8.60	218.4
E	20.75	527.1
F	10.38	263.7
G	8.00	203.2
H	4.52	114.8
J	4.60	116.8
K	3.91	99.3
L	3.90	99.1
M	1.60	40.6



6 Position Terminal Strip 6 定位终端条



8 Position Terminal Strip 8 定位终端条



Stator Drive Frequency 定子驱动频率	RPM
50 Hz	2800 - 3000
60 Hz	3400 - 3600
150 Hz	8500 - 9000
180 Hz	9500 - 10,800

Note:
Check wiring of tube and change as necessary to make it look like above diagram.
**Used on tubes with 2 speed fans
***May not be present

Stator Coil Resistance: 23 / 23 / 46 Ω

Voltage:	Start	Run
	60Hz	230 VAC
180Hz	400 VAC	85 VAC

Amperes:	Start	Run
	60 Hz	6.3 A
180 Hz	10.3 A	2.4 A

Time to Full Speed:

60 Hz	0-3000 RPM	.98 sec.
180 Hz	0-9000 RPM	1.33 sec.

Brake Voltage 106 VDC

Low Speed Time	2 sec.
High Speed Time	3.5 sec.

注释:
检查射线管的配线, 并根据需要进行更改以使其看起来像上面的图解。
**在配有二个高速风扇的射线管上使用
***可能不存在

定子线圈电阻: 23 / 23 / 46 Ω

电压: :	启动	运行
	60Hz	230 VAC
180Hz	400 VAC	85 VAC

安培:	启动	运行
	60 Hz	6.3 A
180 Hz	10.3 A	2.4 A

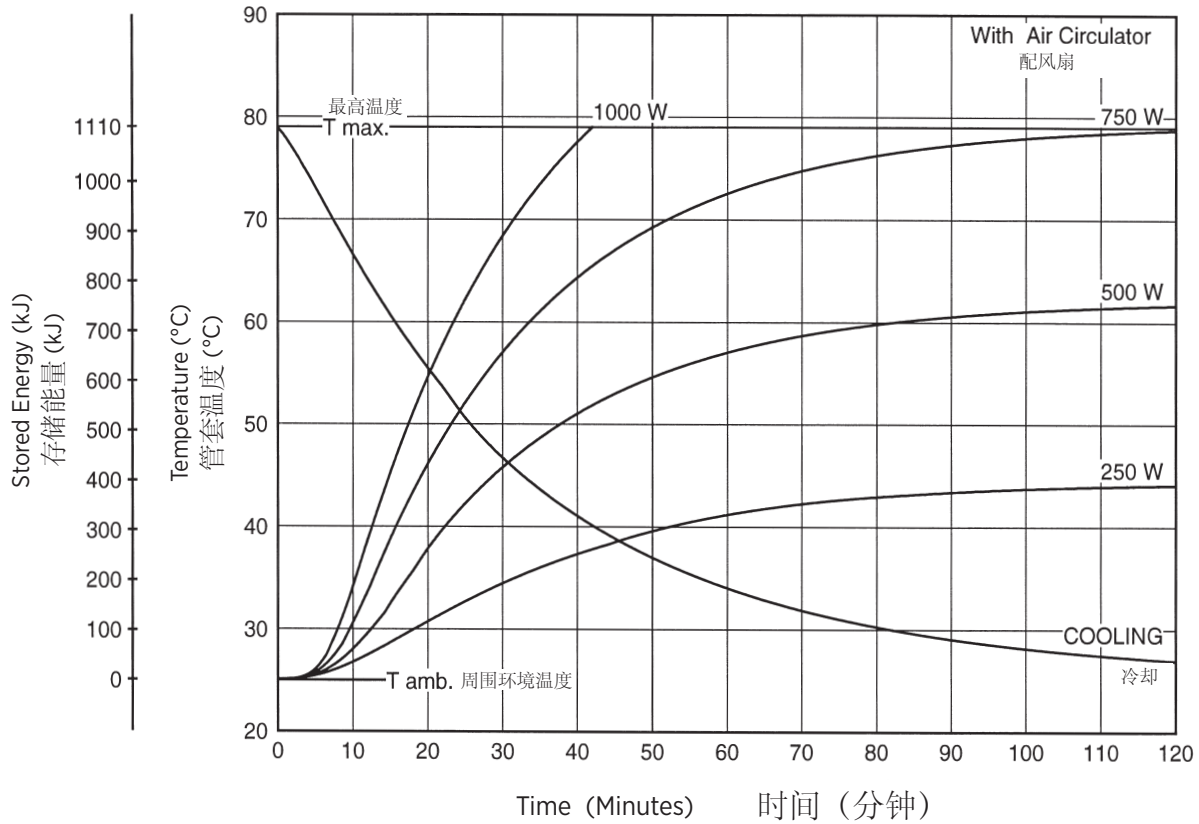
达到全速的时间:

60 Hz	0-3000 RPM	.98 sec.
180 Hz	0-9000 RPM	1.33 sec.

制动电压 106 VDC

低速时间	2 秒
高速时间	3.5 秒

Tube Housing Assembly Heating and Cooling
X射线管组件加热/冷却曲线



Note:

1. Heat inputs into housing include tube power, filament power, and stator power.
2. Heating curves based on no restrictions of natural convection around tube housing assembly.

注释:

1. 向管套的热量输入包括管功率、灯丝功率和定子功率。
2. 加热曲线以管套组件周围无自然对流的限制为根据。

