



## Data sheet for 1MB0013 Dust Explosion-proof Motors

### 1MT0013系列粉尘防爆电动机数据表

MLFB-Ordering data: 1MT0013-3BC23-3AA4

Explosion-proof grade: Ex tb IIIC T130°C Db



#### Motor type:

Client order no.:

Order no.:

Offer no.:

Remarks:

U	Δ/Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			I <sub>A</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub>	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I <sub>I</sub> /I <sub>N</sub>	T <sub>I</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>	
380	Δ	50	160	-/-	305	994	1537	95.6	95.7	-/-	0.84	-/-	-/-	8.5	3.0	2.4	IE3
660	Y	50	160	-/-	176	994	1537	95.6	95.7	-/-	0.84	-/-	-/-	8.5	3.0	2.4	IE3
IM B3			FS 355M		1630 kg	IP65		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

#### Mechanical data / 机械性能数据

Sound pressure level 50Hz/60Hz (load)	71 dB(A)	-/-
声压等级 50Hz/60Hz (负载)		
Moment of inertia	10.4 kgm <sup>2</sup>	
转动惯量		
Bearing DE   NDE	6322 C3 6322 C3	
轴承 DE   NDE		
Bearing lifetime	-/-	
轴承寿命		
Lubricants	BME	
润滑油		
Regreasing device	Yes	
再润滑装置		
Grease nipple	M10x1	
油杯		
Type of bearing	floating bearing DE	
轴承类型	驱动端轴承浮动	
Condensate drainage holes	No	
排水孔		
External earthing terminal	YES	
外部接地		
Vibration class	A	
振动等级		
Insulation	155(F)	
绝缘等级		
Duty type	S1	
工作方式		
Direction of rotation	bidirectional	
旋转方向	双向	
Frame material	cast iron	
机座材料	铸铁	
Data of anti condensation heating	-/-	
防潮加热		
Coating	YES	
喷漆		
Color	RAL7030	
颜色		
Motor protection	-/-	
电机保护		
Method of cooling	IC411 - self ventilated, surface cooled	
冷却方式	IC411 - 自扇冷	

#### Environmental conditions / 环境条件

Ambient temperature	-15 °C - +40 °C
环境温度	
Altitude above sea level	1000 m
海拔高度	

Unrestricted

#### Terminal box / 接线盒

Terminal box position	top
接线盒位置	顶部
Material of terminal box	cast iron
接线盒材料	铸铁
Type of terminal box	-/-
接线盒型号	
Cable diameter	42.5-54.3
外接电缆直径(mm)	
Max. auxiliary terminals	-/-
最大辅助端子数	
Auxiliary cable entry	-/-
辅助进线孔	
Main terminal thread	M16
接线端子螺纹	
Cable entry	2xM72x2
进线孔尺寸	

#### Special design / 特殊设计

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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