



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

### 1MT0013系列粉尘防爆电动机数据表

MLFB-Ordering data: 1MT0013-3AA53-3AA4

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>l</sub> /I <sub>N</sub>	T <sub>l</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>	
380	Δ	50	160	-/-	280	2982	512	95.6	95.7	-/-	0.91	-/-	-/-	7.9	2.3	2.6	IE3
660	Y	50	160	-/-	162	2982	512	95.6	95.7	-/-	0.91	-/-	-/-	7.9	2.3	2.6	IE3
IM B3			FS 315L		950 kg		IP65		IEC/EN 60034			IEC, DIN, ISO, VDE, EN					

#### Mechanical data / 机械性能数据

Sound pressure level 50Hz/60Hz (load)	78 dB(A)	-/-
声压等级 50Hz/60Hz (负载)		
Moment of inertia	1.98 kgm <sup>2</sup>	
转动惯量		
Bearing DE   NDE	6316 C3 6316 C3	
轴承 DE   NDE		
Bearing lifetime	-/-	
轴承寿命		
Lubricants	2# Li Grease	
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	31.5-42.5
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	M12
接线端子螺纹	
Cable entry	2xM64x2
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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