

**Data sheet for three-phase Squirrel-Cage-Motors****1MT8014系列粉尘防爆电动机数据表****MLFB-Ordering data:** 1MT8014-2DD20-4AA4

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

**Motor type:**

Client order no.:

Order no.:

Offer no.:

Remarks:

U	D / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			I <sub>s</sub> /I <sub>N</sub>	M <sub>s</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>s</sub> /I <sub>N</sub>	T <sub>s</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>	
400	D	50	45	-N/A-	87	740	581	93.4	94.1	94.1	0.8	0.77	0.67	7	2.5	2.6	IE4
460	D	60	54	-N/A-	88	890	579	93.6	94.2	94.1	0.82	0.8	0.72	7	2.4	2.4	-N/A-
A = IM B3 / IM 100			FS 280M		540 kg		IP65	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

**Mechanical data / 机械性能数据**

Sound pressure level 50Hz/60Hz (No load) 声压等级 50Hz/60Hz (空载) (dB(A))	62	-N/A-
Moment of inertia 转动惯量 (kgm <sup>2</sup> )	1.992	
Bearing DE   NDE 轴承 DE   NDE	6316 C3	6316 C3
Relubrication quantity (DE NDE) 再润滑用量 (g) (DE NDE)	30	30
Relubrication interval (DE NDE) 再润滑周期 (h) (DE NDE)	5000	
Lubricants 润滑脂	2# Li Grease	
Regreasing device 再润滑装置	Yes	
Grease nipple 油杯	M10x1 GB 1152	
Type of bearing 轴承类型	Fixed bearing on NDE	
Condensate drainage holes 排水孔	No	
External earthing terminal 外部接地	Yes	
Vibration class 振动等级	A	
Insulation 绝缘等级	155(F) to 130(B)	
Duty type 工作方式	S1	
Direction of rotation 旋转方向	bidirectional	
Frame material 机座材料	Cast iron	
Data of anti condensation heating 防潮加热	No	
Coating 喷漆	Yes	
Color 颜色	RAL 7011	
Motor protection 电机保护	A = Without motor protection	
Method of cooling 冷却方式	IC411 - Self ventilated, surface cooled	

**Terminal box / 接线盒**

Terminal box position 接线盒位置	Terminal box on top
Material of terminal box 接线盒材料	Aluminum
Type of terminal box 接线盒型号	N/A
Cable diameter 电缆直径 (mm)	37-44
Max. cross-sectional area 最大电缆截面积 (mm <sup>2</sup> )	120
Main terminal thread 接线端子螺纹	6xM10
Cable gland 葛兰	2 plug
Main cable entry 主进线孔螺纹规格	2xM63x1.5

**Special design / 特殊设计****Environmental conditions / 环境条件**

Ambient temperature 环境温度(°C)	-20 ~ 40
Altitude above sea level 海拔高度	1000m