

Data sheet for three-phase Squirrel-Cage-Motors

1MT8014系列粉尘防爆电动机数据表

MLFB-Ordering data: 1MT8014-1DD43-4AA4

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 _s /I _N	M _s /M _N	M _k /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _s /I _N	T _s /T _N	T _B /T _N	
400	D	50	7.5	-N/A-	16.4	734	97.6	89.3	89.8	89.1	0.74	0.69	0.59	6.5	2.5	2.5	IE4
690	Y	50	7.5	-N/A-	9.5	734	97.6	89.3	89.8	89.1	0.74	0.69	0.59	6.5	2.5	2.5	IE4
A = IM B3 / IM 100			FS 160L		158 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)	55	-N/A-
声压等级 50Hz/60Hz (空载) (dB(A))		
Moment of inertia	0.1819	
转动惯量 (kgm ²)		
Bearing DE NDE	6309 2Z C3	6309 2Z C3
轴承 DE NDE		
Relubrication quantity (DE NDE)	N/A	N/A
再润滑用量 (g) (DE NDE)		
Relubrication interval (DE NDE)	N/A	
再润滑周期 (h) (DE NDE)		
Lubricants	N/A	
润滑脂		
Regreasing device	No	
再润滑装置		
Grease nipple	No	
油杯		
Type of bearing	Floating bearings	
轴承类型		
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) to 130(B)	
绝缘等级		
Duty type	S1	
工作方式		
Direction of rotation	bidirectional	
旋转方向		
Frame material	Cast iron	
机座材料		
Data of anti condensation heating	No	
防潮加热		
Coating	Yes	
喷漆		
Color	RAL 7011	
颜色		
Motor protection	A = Without motor protection	
电机保护		
Method of cooling	IC411 - Self ventilated, surface cooled	
冷却方式		

Environmental conditions / 环境条件

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

Terminal box / 接线盒

Terminal box position	Terminal box on top
接线盒位置	
Material of terminal box	Aluminum
接线盒材料	
Type of terminal box	N/A
接线盒型号	
Cable diameter	22-32
电缆直径 (mm)	
Max. cross-sectional area	16
最大电缆截面积 (mm ²)	
Main terminal thread	6xM5
接线端子螺纹	
Cable gland	2 plug
葛兰	
Main cable entry	2xM40x1.5
主进线孔螺纹规格	

Special design / 特殊设计