

Data sheet for three-phase Squirrel-Cage-Motors

1MT8014系列粉尘防爆电动机数据表

MLFB-Ordering data: 1MT8014-3AA53-5AA4

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	
415	D	50	160	-N/A-	260	2982	512	96.3	96.4	96	0.89	0.89	0.87	8.5	2.5	2.6	IE4
480	D	60	180	-N/A-	255	3582	480	96.2	96.1	95.4	0.89	0.89	0.86	9	2.5	2.6	-N/A-
A = IM B3 / IM 100			FS 315L			990 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)	77	-N/A-
声压等级 50Hz/60Hz (空载) (dB(A))		
Moment of inertia	2.47	
转动惯量 (kgm ²)		
Bearing DE NDE	6316 C3	6316 C3
轴承 DE NDE		
Relubrication quantity (DE NDE)	40	40
再润滑用量 (g) (DE NDE)		
Relubrication interval (DE NDE)	3000	
再润滑周期 (h) (DE NDE)		
Lubricants	2# Li Grease	
润滑脂		
Regreasing device	Yes	
再润滑装置		
Grease nipple	M10x1 GB 1152	
油杯		
Type of bearing	Fixed bearing on NDE	
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	Cast iron
接线盒材料	
Type of terminal box	N/A
接线盒型号	
Cable diameter	37-44
电缆直径 (mm)	
Max. cross-sectional area	240
最大电缆截面积 (mm ²)	
Main terminal thread	6xM12
接线端子螺纹	
Cable gland	2 plug
葛兰	
Main cable entry	2xM63x1.5
主进线孔螺纹规格	

Special design / 特殊设计