



Data sheet for three-phase Asynchronous Squirrel-Cage-Motors

三相异步鼠笼电动机数据表

MLFB-Ordering data: 1TL0013-1AA42-1AA4 W12

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>	
220	D	50	3	/	10.4	2865	10	87.1	88.3	88.3	0.87	0.84	0.75	8	3.7	3.6	IE3
380	Y	50	3	/	6	2865	10	87.1	88.3	88.3	0.87	0.84	0.75	8	3.7	3.6	IE3
IM B3			FS 100L		37 kg		IP55	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 /
Moment of inertia 转动惯量 (kgm²)	0.00446
Bearing DE   NDE 轴承 DE   NDE	6206 2Z C3 6206 2Z C3
Relubrication quantity (DE NDE) 再润滑用量 (g) (DE NDE)	/ /
Relubrication interval (DE NDE) 再润滑周期 (h) (DE NDE)	/
Lubricants 润滑脂	/
Regreasing device 再润滑装置	/
Grease nipple 油杯	no
Type of bearing 轴承类型	Floating bearings
Condensate drainage holes 排水孔	no
External earthing terminal 外部接地	no
Vibration class 振动等级	A
Insulation 绝缘等级	155(F)
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 winding protection
Method of cooling 冷却方式	IC411 - Self ventilated, surface cooled

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

Terminal box / 接线盒	
Terminal box position 接线盒位置	Top
Material of terminal box 接线盒材料	steel
Type of terminal box 接线盒型号	/
Cable diameter 电缆直径 (mm)	18-23
Max. cross-sectional area 最大电缆截面积 (mm²)	4
Main terminal thread 接线端子螺纹	6xM4
Cable gland 葛兰	1 plug+1 gland
Main cable entry 主进线孔螺纹规格	2xM32X1.5

Special design / 特殊设计
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Technical data are subject to change! There may be discrepancies between calculated and rating plate values.  
若有技术更改，恕不另行通知！计算出的数据可能和铭牌数据有所不同！