

电子换向电动机 ECM MOTORS

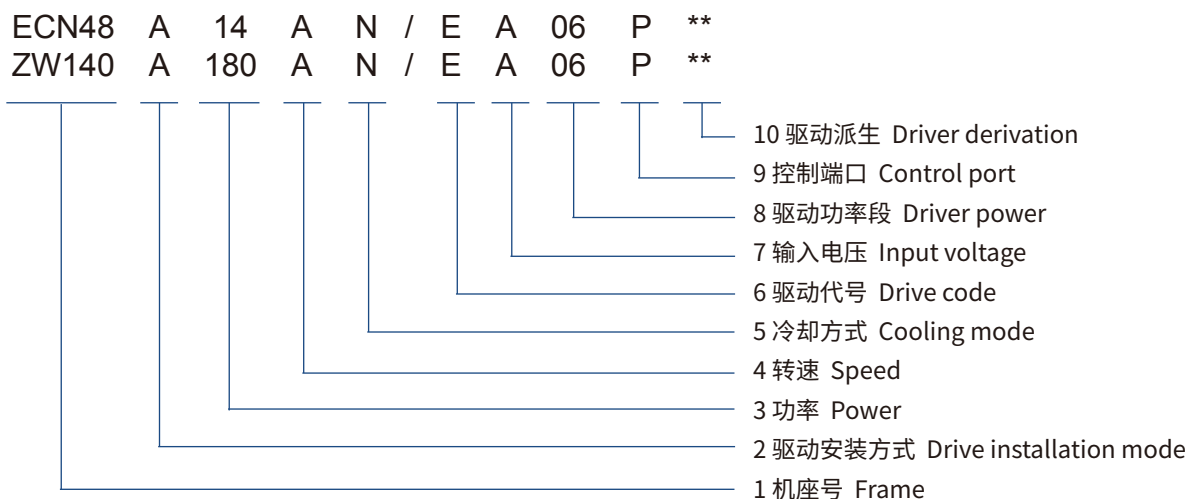


产品介绍 Brief Introduction

ECM系列电机包含了符合NEMA标准的电机和符合IEC标准的电机，可替代传统PSC电机。电机采用钕铁硼磁钢，F级绝缘，滚珠轴承，长寿命免维护；电机效率可达到至少82%以上。此系列电机有多种外部接口可选。适用于工业/住宅HVAC、室内火炉、空气处理、包装、冷凝器等。

ECM series motors include motors that meet NEMA standards and those that meet IEC standards, which can replace traditional PSC motors. The motor uses neodymium iron boron magnets, Class F insulation, ball bearings, long life and maintenance-free; motor efficiency can reach at least 82%. This series of motors have a variety of external interfaces to choose from. Apply to Industrial/residential HVAC, indoor stove, air treatment, packaging, condenser, etc.

产品型号说明 Product Model Description



- 1 机座号： ECN48: NEMA 48; ZW140:定子外圆直径140机座
2 驱动安装方式： A:一体机； B: 二体机
3 功率： 14:1/4HP； 13:1/3HP； 12:1/2HP； 34: 3/4HP； 10:1HP
180:180W； 250:250W； 375:375W； 550:550W； 750:750W
4 转速： A:200--1200r/min； B: 200--1800r/min
5 冷却方式： N:TENV； D:ODP； A:TEAO
6 驱动代号： E:驱动控制器
7 输入电压： A:115V； B: 208--230V； C:115/208-230
8 驱动功率段： 06: 1/4--1/2HP； 10: 3/4--1HP
9 控制端口： P: 电位器； V: 0-10V； S: 串口； BLANK: 无控制
10 驱动派生： **: 特征代码，用1-9或26个英文大写字母组合表示

- 1 Frame: ECN48: NEMA 48; ZW140: Outer diameter of stator 140
2 Drive installation mode: A: Integration structure; B: Split structure
3 Power: 14: 1/4HP; 13: 1/3HP; 12: 1/2HP; 34: 3/4HP; 10: 1HP
180: 180W; 250: 250W; 375: 375W; 550: 550W; 750: 750W
4 Speed: A: 200--1200r/min; B: 200--1800r/min
5 Cooling mode: N: TENV; O: ODP; A: TEAO
6 Drive code: E: Drive controller
7 Input voltage: A: 115V; B: 208--230V; C: 115/208-230
8 Driver power: 6: 1/4--1/2HP; 10: 3/4--1HP
9 Control port : P: Potentiometer; V: 0-10V; S: serial port; Blank: none control leads
10 Driver derivation: **: feature code, represented by a combination of 1-9 or 26 English capital letters

ECM 电动机 - TENV (一体机)

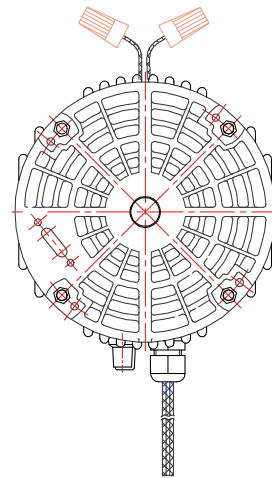
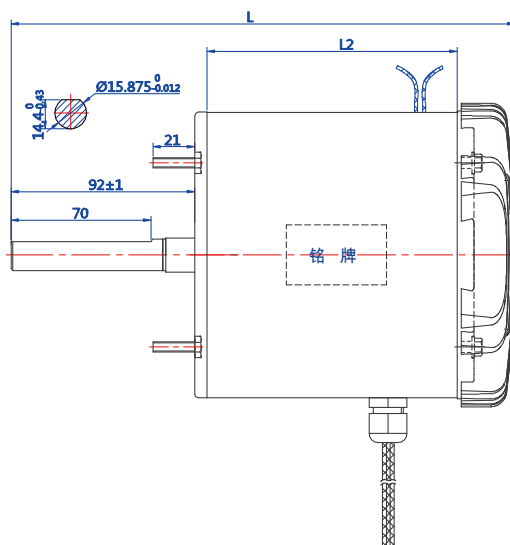
EC MOTORS – TENV (one-cavity)

特点：

- 调速范围200rpm-1800rpm
- 更高的效率, 大于82%
- 更低的运行噪音
- 功率范围: 1/4、1/3、1/2 HP
- 广泛运用于HVAC、风扇、空气净化器等设备

Features :

- Speed range 200rpm ~ 1800rpm
- Higher efficiency, 82% or above
- Lower operating noise
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NEMA Motor Model No.	IEC Motor Model No.	Output HP(W)	Hz	Volts	FL Amps	RPM	Phases	Ins Class	Duty	ENCL.	L2	L
ECN48A14AN/EA06P-**	ZW140A180AN/EA06P-**	1/4 (180)	50/60	115	3.8	200-1200	1	B	S1	TENV	114	241
ECN48A14AN/EB06P-**	ZW140A180AN/EB06P-**	1/4 (180)	50/60	208-230	1.9	200-1200	1	B	S1	TENV	114	241
ECN48A14AN/EC06P-**	ZW140A180AN/EC06P-**	1/4 (180)	50/60	115/208-230	3.8/1.9	200-1200	1	B	S1	TENV	114	241
ECN48A14BN/EA06P-**	ZW140A180BN/EA06P-**	1/4 (180)	50/60	115	3.9	200-1800	1	B	S1	TENV	112	239
ECN48A14BN/EB06P-**	ZW140A180BN/EB06P-**	1/4 (180)	50/60	208-230	2.0	200-1800	1	B	S1	TENV	112	239
ECN48A14BN/EC06P-**	ZW140A180BN/EC06P-**	1/4 (180)	50/60	115/208-230	3.9/2.0	200-1800	1	B	S1	TENV	112	239
ECN48A13AN/EA06P-**	ZW140A250AN/EA06P-**	1/3 (250)	50/60	115	4.6	200-1200	1	B	S1	TENV	118	245
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ECN48A12AN/EA06P-**	ZW140A375AN/EA06P-**	1/2 (375)	50/60	115	6.6	200-1200	1	B	S1	TENV	125	252
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ECN48A12BN/EA06P-**	ZW140A375BN/EA06P-**	1/2 (375)	50/60	115	6.9	200-1800	1	B	S1	TENV	120	247
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ECM 电动机 - TEAO (一体机)

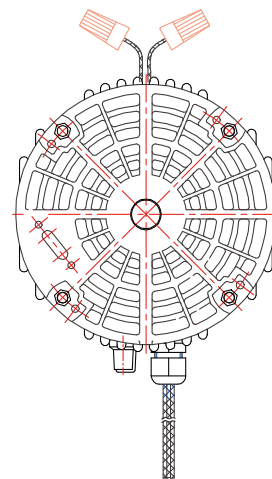
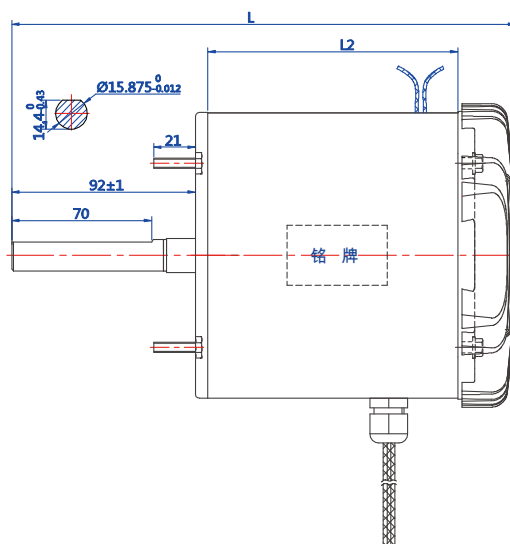
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ECN48A14AA/EA06P-**	ZW140A180AA/EA06P-**	1/4 (180)	50/60	115	3.8	200-1200	1	B	S1	TEAO	114	241
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ECN48A13AA/EA06P-**	ZW140A250AA/EA06P-**	1/3 (250)	50/60	115	4.6	200-1200	1	B	S1	TEAO	118	245
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ECN48A13BA/EB06P-**	ZW140A250BA/EB06P-**	1/3 (250)	50/60	208-230	2.4	200-1800	1	B	S1	TEAO	115	242
ECN48A13B/EC06P-**	ZW140A250BA/EC06P-**	1/3 (250)	50/60	115/208-230	4.8/2.4	200-1800	1	B	S1	TEAO	115	242
ECN48A12AA/EA06P-**	ZW140A375AA/EA06P-**	1/2 (375)	50/60	115	6.6	200-1200	1	B	S1	TEAO	125	252
ECN48A12AA/EB06P-**	ZW140A375AA/EB06P-**	1/2 (375)	50/60	208-230	3.3	200-1200	1	B	S1	TEAO	125	252
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ECM 电动机 - TENV (二体机)

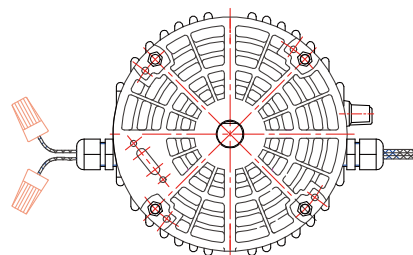
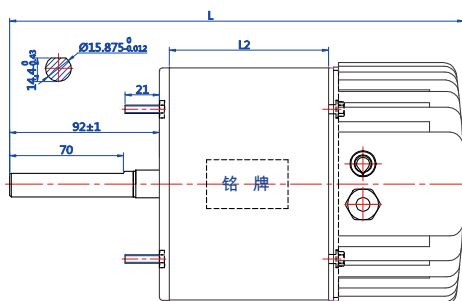
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ECN48B13AN/EA10P-**	ZW140B250AN/EA10P-**	1/3 (250)	50/60	115	4.6	200-1200	1	B	S1	TENV	68	249
ECN48B13AN/EB10P-**	ZW140B250AN/EB10P-**	1/3 (250)	50/60	208-230	2.3	200-1200	1	B	S1	TENV	68	249
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ECN48B12AN/EA10P-**	ZW140B375AN/EA10P-**	1/2 (375)	50/60	115	6.6	200-1200	1	B	S1	TENV	75	256
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ECN48B34AN/EA10P-**	ZW140B550AN/EA10P-**	3/4 (550)	50/60	115	9.5	200-1200	1	B	S1	TENV	88	269
ECN48B34AN/EB10P-**	ZW140B550AN/EB10P-**	3/4 (550)	50/60	208-230	4.7	200-1200	1	B	S1	TENV	88	269
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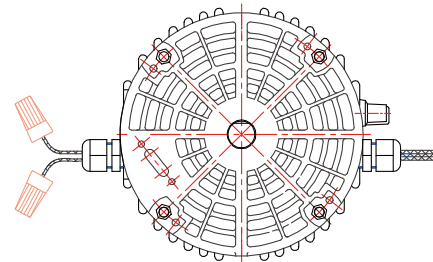
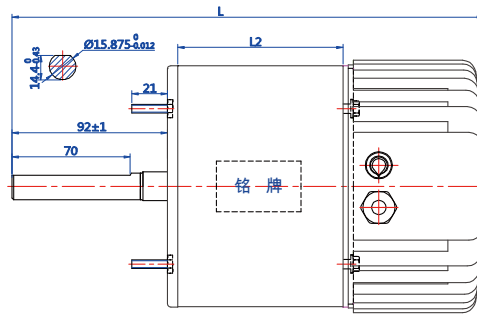
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ECN48B12BA/EB10P-**	ZW140B375BA/EB10P-**	1/2 (375)	50/60	208-230	3.3	200-1800	1	B	S1	TEAO	70	251
ECN48B12BA/EC10P-**	ZW140B375BA/EC10P-**	1/2 (375)	50/60	115/208-230	6.6/3.3	200-1800	1	B	S1	TEAO	70	251
ECN48B34AA/EA10P-**	ZW140B550AA/EA10P-**	3/4 (550)	50/60	115	9.5	200-1200	1	B	S1	TEAO	88	269
ECN48B34AA/EB10P-**	ZW140B550AA/EB10P-**	3/4 (550)	50/60	208-230	4.7	200-1200	1	B	S1	TEAO	88	269
ECN48B34AA/EC10P-**	ZW140B550AA/EC10P-**	3/4 (550)	50/60	115/208-230	9.5/4.7	200-1200	1	B	S1	TEAO	88	269
ECN48B34BA/EA10P-**	ZW140B550BA/EA10P-**	3/4 (550)	50/60	115	9.8	200-1800	1	B	S1	TEAO	80	261
ECN48B34BA/EB10P-**	ZW140B550BA/EB10P-**	3/4 (550)	50/60	208-230	4.9	200-1800	1	B	S1	TEAO	80	261
ECN48B34BA/EC10P-**	ZW140B550BA/EC10P-**	3/4 (550)	50/60	115/208-230	9.8/4.9	200-1800	1	B	S1	TEAO	80	261
ECN48B10AA/EA10P-**	ZW140B750AA/EA10P-**	1.0 (750)	50/60	115	12	200-1200	1	B	S1	TEAO	98	279
ECN48B10AA/EB10P-**	ZW140B750AA/EB10P-**	1.0 (750)	50/60	208-230	6	200-1200	1	B	S1	TEAO	98	279
ECN48B10AA/EC10P-**	ZW140B750AA/EC10P-**	1.0 (750)	50/60	115/208-230	12/6	200-1200	1	B	S1	TEAO	98	279
ECN48B10BA/EA10P-**	ZW140B750BA/EA10P-**	1.0 (750)	50/60	115	12	200-1800	1	B	S1	TEAO	88	269
ECN48B10BA/EB10P-**	ZW140B750BA/EB10P-**	1.0 (750)	50/60	208-230	6	200-1800	1	B	S1	TEAO	88	269
ECN48B10BA/EC10P-**	ZW140B750BA/EC10P-**	1.0 (750)	50/60	115/208-230	12/6	200-1800	1	B	S1	TEAO	88	269

ECM 电动机 - ODP (二体机)

EC MOTORS – ODP (two-cavity)

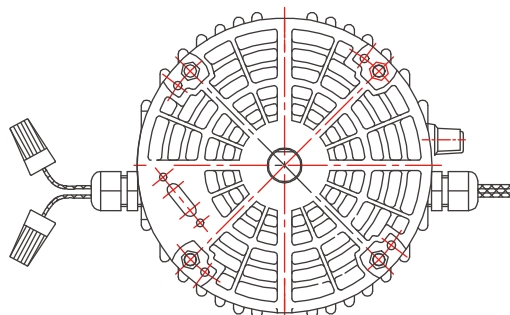
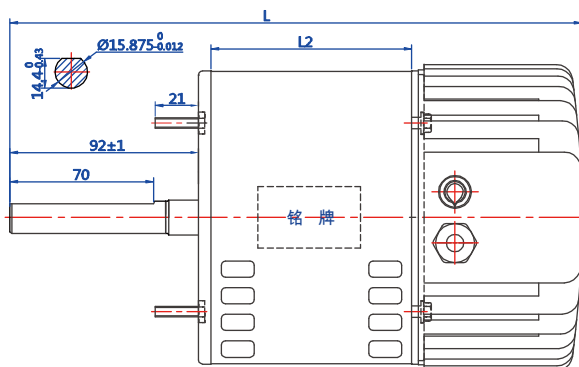


特点：

- 调速范围200rpm-1800rpm
- 更高的效率, 大于82%
- 更低的运行噪音
- 功率范围: 1/4、1/3、1/2、3/4、1 HP
- 广泛运用于HVAC、风扇、空气净化器等设备

Features :

- Speed range 200rpm ~ 1800rpm
- Higher efficiency, 82% or above
- Lower operating noise
- Power range: 1/4, 1/3, 1/2, 3/4, 1 HP
- Apply to HVAC, blower, air purification equipment and others.



NEMA电机型号	IEC电机型号	功率	频率	电机	满负荷电流	转速	相数	绝缘等级	工作制	冷却方式	尺寸 mm	
NEMA Motor Model No.	IEC Motor Model No.	Output HP(W)	Hz	Volts	FL Amps	RPM	Phases	Ins Class	Duty	ENCL.	L2	L
ECN48B10AD/EA10P-**	ZW140B750AD/EA10P-**	1.0 (750)	50/60	115	12.6	200-1200	1	B	S1	ODP	98	279
ECN48B10AD/EB10P-**	ZW140B750AD/EB10P-**	1.0 (750)	50/60	208-230	6.3	200-1200	1	B	S1	ODP	98	279
ECN48B10AD/EC10P-**	ZW140B750AD/EC10P-**	1.0 (750)	50/60	115/208-230	12.6/6.3	200-1200	1	B	S1	ODP	98	279
ECN48B10BD/EA10P-**	ZW140B750BD/EA10P-**	1.0 (750)	50/60	115	12.6	200-1800	1	B	S1	ODP	88	269
ECN48B10BD/EB10P-**	ZW140B750BD/EB10P-**	1.0 (750)	50/60	208-230	6.3	200-1800	1	B	S1	ODP	88	269
ECN48B10BD/EC10P-**	ZW140B750BD/EC10P-**	1.0 (750)	50/60	115/208-230	12.6/6.3	200-1800	1	B	S1	ODP	88	269

