

20M & 26M

20M SERIES SYNCHRONOUS MOTOR

Technical Specifications

Part Number		20M600B3A	20M720B3A
Ac operating voltage	(vac)	24.0	24.0
Frequency	(Hz)	50.0	60.0
Speed	(rpm)	600.0	720.0
Direction of rotation	-	Reversible	Reversible
Synchronous torque	(oz-in / mNm)	0.38 / 2.68	0.38 / 2.68
Capacitance	(μ F)	2.20	2.20
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	2.24 x 10E ⁻³ / 0.41	
Weight	(lbs / g)	0.052 / 23.5	
Leadwires		AWG 28, UL 1429	
Ambient temperature range	Operating (°C)	-20 ~ +70	
	Storage (°C)	-40 ~ +85	
Bearing type		Sintered Bronze Sleeve	
Insulation resistance at 500vdc	(Mohms)	100	
Dielectric withstanding voltage	(vac)	650 ± 50 VRMS 2 seconds	
Temperature class, max	(°C)	B(130°C)	
RoHS		Compliant	

All motor data values at 25°C unless otherwise specified

* Energise at rated current, 2 phase on

26M SERIES SYNCHRONOUS MOTOR

Technical Specifications

Part Number		26M250B3A	26M250B5A	26M300B3A	26M300B5A
Ac operating voltage	(vac)	24.0	120.0	24.0	120.0
Frequency	(Hz)	50.0	50.0	60.0	60.0
Speed	(rpm)	250.0	250.0	300.0	300.0
Direction of rotation	-	Reversible	Reversible	Reversible	Reversible
Synchronous torque	(oz-in / mNm)	0.89 / 6.25	0.90 / 6.33	0.89 / 6.25	0.90 / 6.33
Capacitance	(μ F)	6.80	0.3	6.80	0.330
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	6.01 x 10E ⁻³ / 1.1			
Weight	(lbs / g)	.075 / 34			
Leadwires		AWG 28, UL 1429			
Ambient temperature range	Operating (°C)	-20 ~ +70			
	Storage (°C)	-40 ~ +85			
Bearing type		Sintered Bronze Sleeve			
Insulation resistance at 500vdc	(Mohms)	100			
Dielectric withstanding voltage	(vac)	650 ± 50 VRMS 2 seconds			
Temperature class, max	(°C)	B(130°C)			
RoHS		Compliant			

All motor data values at 25°C unless otherwise specified

* Energise at rated current, 2 phase on

35L SERIES SYNCHRONOUS MOTOR

Technical Specifications

Part Number		35L250B3A	35L250B5A	35L250B7A
Ac operating voltage	(vac)	24.0	120.0	240.0
Frequency	(Hz)	50.0	50.0	50.0
Speed	(rpm)	250.0	250.0	250.0
Direction of rotation	-	Reversible	Reversible	Reversible
Synchronous torque	(oz-in / mNm)	1.50 / 10.59	1.50 / 10.59	1.50 / 10.59
Capacitance	(μ F)	3.3	0.15	0.039
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	0.0219 / 4		
Weight	(lbs / g)	0.1938 / 88		
Leadwires		AWG 26, UL 1430		
Ambient temperature range	Operating	(°C)	-20 ~ +70	
	Storage	(°C)	-40 ~ +85	
Bearing type		Sintered Bronze Sleeve		
Insulation resistance at 500vdc	(Mohms)	100		
Dielectric withstanding voltage	(vac)	1250 \pm 50 VRMS, 2 seconds		
Temperature class, max	(°C)	B(130°C)		
RoHS		Compliant		

All motor data values at 25°C unless otherwise specified

35L SERIES SYNCHRONOUS MOTOR

Technical Specifications

Part Number		35L300B3A	35L300B5A	35L300B7A
Ac operating voltage	(vac)	24.0	120.0	240.0
Frequency	(Hz)	60.0	60.0	60.0
Speed	(rpm)	300.0	300.0	300.0
Direction of rotation	-	Reversible	Reversible	Reversible
Synchronous torque	(oz-in / mNm)	1.50 / 10.59	1.50 / 10.59	1.50 / 10.59
Capacitance	(μ F)	3.3	0.15	0.039
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	0.0219 / 4		
Weight	(lbs / g)	0.1938 / 88		
Leadwires		AWG 26, UL 1430		
Ambient temperature range	Operating	(°C)	-20 ~ +70	
	Storage	(°C)	-40 ~ +85	
Bearing type		Sintered Bronze Sleeve		
Insulation resistance at 500vdc	(Mohms)	100		
Dielectric withstanding voltage	(vac)	1250 \pm 50 VRMS, 2 seconds		
Temperature class, max	(°C)	B(130°C)		
RoHS		Compliant		

All motor data values at 25°C unless otherwise specified

35M

35M SERIES SYNCHRONOUS MOTOR

Technical Specifications

Part Number		35M250B3A	35M250B5A	35M250B7A
Ac operating voltage	(vac)	24.0	120.0	240.0
Frequency	(Hz)	50.0	50.0	50.0
Speed	(rpm)	250.0	250.0	250.0
Direction of rotation	-	Reversible	Reversible	Reversible
Synchronous torque	(oz-in / mNm)	1.00 / 7.06	1.30 / 9.18	1.30 / 9.18
Capacitance	(µF)	3.0	0.18	0.047
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	0.00003 / 2		
Weight	(lbs / g)	0.175 / 79		
Leadwires		AWG 26, UL 1430		
Ambient temperature range	Operating	(°C)	-20 ~ +70	
	Storage	(°C)	-40 ~ +85	
Bearing type		Sintered Bronze Sleeve		
Insulation resistance at 500vdc	(Mohms)	100		
Dielectric withstanding voltage	(vac)	1250 ± 50 VRMS, 2 seconds		
Temperature class, max	(°C)	B(130°C)		
RoHS		Compliant		

All motor data values at 25°C unless otherwise specified

35M SERIES SYNCHRONOUS MOTOR

Technical Specifications

Part Number		35M300B3A	35M300B5A	35M300B7A
Ac operating voltage	(vac)	24.0	120.0	240.0
Frequency	(Hz)	60.0	60.0	60.0
Speed	(rpm)	300.0	300.0	300.0
Direction of rotation	-	Reversible	Reversible	Reversible
Synchronous torque	(oz-in / mNm)	1.50 / 10.59	1.10 / 8.12	1.10 / 8.12
Capacitance	(µF)	3.0	0.18	0.047
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	0.00003 / 2		
Weight	(lbs / g)	0.175 / 79		
Leadwires		AWG 26, UL 1430		
Ambient temperature range	Operating	(°C)	-20 ~ +70	
	Storage	(°C)	-40 ~ +85	
Bearing type		Sintered Bronze Sleeve		
Insulation resistance at 500vdc	(Mohms)	100		
Dielectric withstanding voltage	(vac)	1250 ± 50 VRMS, 2 seconds		
Temperature class, max	(°C)	B(130°C)		
RoHS		Compliant		

All motor data values at 25°C unless otherwise specified

42M SERIES SYNCHRONOUS MOTOR

Technical Specifications

Part Number		42M250C3A	42M250C5A	42M250C7A
Ac operating voltage	(vac)	24.0	120.0	230.0
Frequency	(Hz)	50.0	50.0	50.0
Speed	(rpm)	250.0	250.0	250.0
Direction of rotation	-	Reversible	Reversible	Reversible
Synchronous torque	(oz-in / mNm)	5.05 / 35.66	5.78 / 40.82	5.47 / 38.63
Capacitance	(μ F)	6.8	0.33	0.100
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	0.068 / 12.5		
Weight	(lbs / g)	0.31875 / 145		
Leadwires		AWG 24, UL 1015		
Ambient temperature range	Operating	(°C)	-20 ~ +70	
	Storage	(°C)	-40 ~ +85	
Bearing type		Sintered Bronze Sleeve		
Insulation resistance at 500vdc	(Mohms)	100		
Dielectric withstanding voltage	(vac)	1250 \pm 50 VRMS, 2 seconds		
Temperature class, max	(°C)	B(130°C)		
RoHS		Compliant		

All motor data values at 25°C unless otherwise specified

42M SERIES SYNCHRONOUS MOTOR

Technical Specifications

Part Number		42M300C3A	42M300C5A	42M300C7A
Ac operating voltage	(vac)	24.0	120.0	230.0
Frequency	(Hz)	60.0	60.0	60.0
Speed	(rpm)	300.0	300.0	300.0
Direction of rotation	-	Reversible	Reversible	Reversible
Synchronous torque	(oz-in / mNm)	5.05 / 35.66	5.78 / 40.82	5.47 / 38.63
Capacitance	(μ F)	6.8	0.33	0.082
Rotor moment of inertia	(oz-in-s ² / g-cm ²)	0.068 / 12.5		
Weight	(lbs / g)	0.31875 / 145		
Leadwires		AWG 24, UL 1015		
Ambient temperature range	Operating	(°C)	-20 ~ +70	
	Storage	(°C)	-40 ~ +85	
Bearing type		Sintered Bronze Sleeve		
Insulation resistance at 500vdc	(Mohms)	100		
Dielectric withstanding voltage	(vac)	1250 \pm 50 VRMS, 2 seconds		
Temperature class, max	(°C)	B(130°C)		
RoHS		Compliant		

All motor data values at 25°C unless otherwise specified