DATA SHEET

Product line

Three Phase Induction Motor - Squirrel Cage

: Three-Phase



14733008

Customer

: W56 Cooling method : IC01 - ODP Frame

Product code:

Rated voltage [V] 208-230/460 190/380 220/415 Rated current [A] 1.32-1.20/0.598 1.35/0.675 1.25/0.665 L. R. Amperes [A] 7.79-7.06/3.53 6.08/3.04 6.02/3.19 LRC [A] 5.9x(Code K) 4.5x(Code G) 4.8x(Code H) No load current [A] 0.754-0.874/0.437 0.832/0.416 0.875/0.464 Rated speed [RPM] 3450 2785 2810 Slip [%] 4.17 7.17 6.33	Insulation class		: F	Mounting	: F-1	
Altitude : 1000 m.a.s.l. Approx. weight³ : 6.1 kg (0.0005 kgm²) Output [HP]			: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Output [HP]	Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line	
Output [HP] 0.33 0.33 0.33 Poles 2 2 2 Frequency [Hz] 60 50 50 Rated voltage [V] 208-230/460 190/380 220/415 Rated current [A] 1.32-1.20/0.598 1.35/0.675 1.25/0.665 L. R. Amperes [A] 7.79-7.06/3.53 6.08/3.04 6.02/3.19 LRC [A] 5.9x(Code K) 4.5x(Code G) 4.8x(Code H) No load current [A] 0.754-0.874/0.437 0.832/0.416 0.875/0.464 Rated speed [RPM] 3450 2785 2810 Slip [%] 4.17 7.17 6.33 Rated torque [kgfm] 0.069 0.086 0.085 Locked rotor torque [%] 270 190 210 Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level²	Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 6.1 kg	
Poles				Moment of inertia (J)	: 0.0005 kgm²	
Frequency [Hz] 60 50 50 Rated voltage [V] 208-230/460 190/380 220/415 Rated current [A] 1.32-1.20/0.598 1.35/0.675 1.25/0.665 L. R. Amperes [A] 7.79-7.06/3.53 6.08/3.04 6.02/3.19 LRC [A] 5.9x(Code K) 4.5x(Code G) 4.8x(Code H) No load current [A] 0.754-0.874/0.437 0.832/0.416 0.875/0.464 Rated speed [RPM] 3450 2785 2810 Slip [%] 4.17 7.17 6.33 Rated torque [kgfm] 0.069 0.086 0.085 Locked rotor torque [%] 270 190 210 Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.75 0.72	Output [HP]		0.33	0.33	0.33	
Rated voltage [V] 208-230/460 190/380 220/415 Rated current [A] 1.32-1.20/0.598 1.35/0.675 1.25/0.665 L. R. Amperes [A] 7.79-7.06/3.53 6.08/3.04 6.02/3.19 LRC [A] 5.9x(Code K) 4.5x(Code G) 4.8x(Code H) No load current [A] 0.754-0.874/0.437 0.832/0.416 0.875/0.464 Rated speed [RPM] 3450 2785 2810 Slip [%] 4.17 7.17 6.33 Rated torque [kgfm] 0.069 0.086 0.085 Locked rotor torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 59.5 61.0 60.0 75% 68.0 66.0 65.0 75% 0.66 0.76 0.72	Poles		_	_	2	
Rated current [A] 1.32-1.20/0.598 1.35/0.675 1.25/0.665 L. R. Amperes [A] 7.79-7.06/3.53 6.08/3.04 6.02/3.19 LRC [A] 5.9x(Code K) 4.5x(Code G) 4.8x(Code H) No load current [A] 0.754-0.874/0.437 0.832/0.416 0.875/0.464 Rated speed [RPM] 3450 2785 2810 Slip [%] 4.17 7.17 6.33 Rated torque [kgfm] 0.069 0.086 0.085 Locked rotor torque [%] 270 190 210 Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 59.5 61.0 60.0 50% 59.5 61.0 60.0 65.0 66.0 65.0 100% 70.0	Frequency [Hz]		60	50	50	
L. R. Amperes [A] 7.79-7.06/3.53 6.08/3.04 6.02/3.19 LRC [A] 5.9x(Code K) 4.5x(Code G) 4.8x(Code H) No load current [A] 0.754-0.874/0.437 0.832/0.416 0.875/0.464 Rated speed [RPM] 3450 2785 2810 Slip [%] 4.17 7.17 6.33 Rated torque [kgfm] 0.069 0.086 0.085 Locked rotor torque [%] 270 190 210 Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 59.5 61.0 60.0 50% 59.5 61.0 67.0 75% 68.0 66.0 65.0 75% 68.0 66.0 67.0 75% 0.66 0.76 0.72	Rated voltage [V]		208-230/460	190/380	220/415	
Description	Rated current [A]		1.32-1.20/0.598	1.35/0.675	1.25/0.665	
No load current [A] 0.754-0.874/0.437 0.832/0.416 0.875/0.464 Rated speed [RPM] 3450 2785 2810 Slip [%] 4.17 7.17 6.33 Rated torque [kgfm] 0.069 0.086 0.085 Locked rotor torque [%] 270 190 210 Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 50% 59.5 61.0 60.0 75% 68.0 66.0 65.0 100% 70.0 67.0 67.0 25% Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72	L. R. Amperes [A]		7.79-7.06/3.53	6.08/3.04	6.02/3.19	
Rated speed [RPM] 3450 2785 2810	LRC [A]			4.5x(Code G)	4.8x(Code H)	
Slip [%] 4.17 7.17 6.33 Rated torque [kgfm] 0.069 0.086 0.085 Locked rotor torque [%] 270 190 210 Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 50% 59.5 61.0 60.0 T5% 68.0 66.0 65.0 100% 70.0 67.0 67.0 Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72	No load current [A]	0.754-0.874/0.437	0.832/0.416	0.875/0.464	
Rated torque [kgfm] 0.069 0.086 0.085 Locked rotor torque [%] 270 190 210 Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 59.5 61.0 60.0 75% 68.0 66.0 65.0 100% 70.0 67.0 67.0 Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72	Rated speed [RPM]		3450	2785	2810	
Locked rotor torque [%] 270 190 210 Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 50% 59.5 61.0 60.0 75% 68.0 66.0 65.0 75% 68.0 67.0 67.0 Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72			4.17	7.17	6.33	
Breakdown torque [%] 300 210 240 Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) 50% 59.5 61.0 60.0 75% 68.0 66.0 65.0 100% 70.0 67.0 67.0 Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72	Rated torque [kgfm]		0.069	0.086	0.085	
Service factor 1.35 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 50% 59.5 61.0 60.0 75% 68.0 66.0 65.0 100% 70.0 67.0 67.0 Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72			270	190	210	
Temperature rise 80 K 80 K 80 K 80 K 80 K 80 K 50s (cold) 28s (hot) 60.0 dB(A) 60.	Breakdown torque	[%]	300			
Locked rotor time 45s (cold) 25s (hot) 54s (cold) 30s (hot) 50s (cold) 28s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 50% 59.5 61.0 60.0 75% 68.0 66.0 65.0 100% 70.0 67.0 67.0 Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72	Service factor			1.35	1.15	
Noise level? 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) Efficiency (%) 50% 59.5 61.0 60.0 75% 68.0 66.0 65.0 100% 70.0 67.0 67.0 Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72			80 K		80 K	
Efficiency (%)	Locked rotor time			54s (cold) 30s (hot)	50s (cold) 28s (hot)	
Efficiency (%) 50% 59.5 61.0 60.0 60.0 75% 68.0 66.0 65.0 65.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67	Noise level ²		62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
Power Factor 75% 68.0 66.0 65.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67		25%				
Power Factor 75% 68.0 66.0 65.0 65.0 67	Efficiency (%)	50%	59.5	61.0	60.0	
Power Factor	Liliciency (70)		68.0	66.0	65.0	
Power Factor 50% 0.53 0.63 0.58 75% 0.66 0.76 0.72		100%	70.0	67.0	67.0	
Power Factor 75% 0.66 0.76 0.72		25%				
75% 0.66 0.76 0.72	Power Factor	50%	0.53		0.58	
100% 0.75 0.84 0.81	I OWEL FACIOI	75%	0.66	0.76	0.72	
		100%	0.75	0.84	0.81	

Drive end Non drive end Foundation loads

6203 ZZ Bearing type 6202 ZZ Max. traction : 3 kgf Sealing Without Without : 9 kgf Max. compression

Bearing Seal Bearing Seal

Lubrication interval Lubricant amount Mobil Polyrex EM Lubricant type

Notes

USABLE @208V SF 1.00

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.

(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

(1)7111100700110	an load.					
Rev.		Changes Summary	•	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	17/05/2022				1/4	

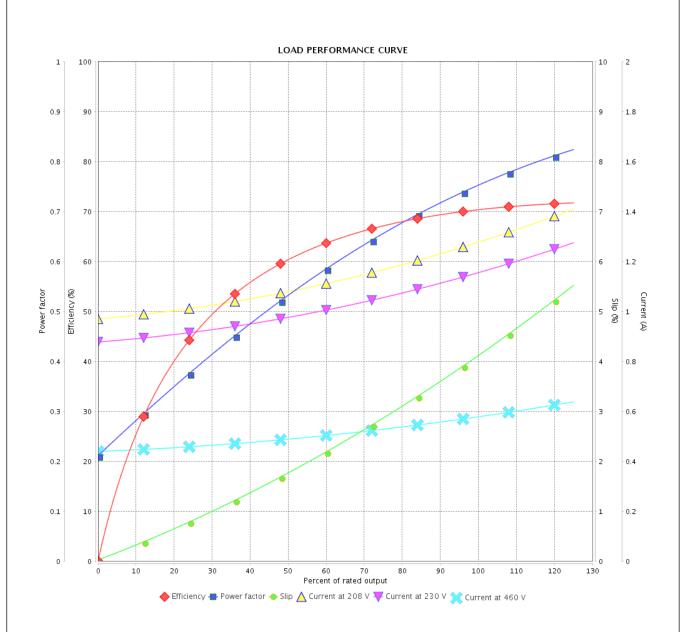
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase Product code : 14733008



Performance : 208-230/460 V 60 Hz 2P : 1.32-1.20/0.598 A : 0.0005 kgm² Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 5.9 : 0.069 kgfm Insulation class Rated torque : F Locked rotor torque : 270 % Service factor Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 3450 rpm

Rev.		Changes Summary	1	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	17/05/2022				2/4	

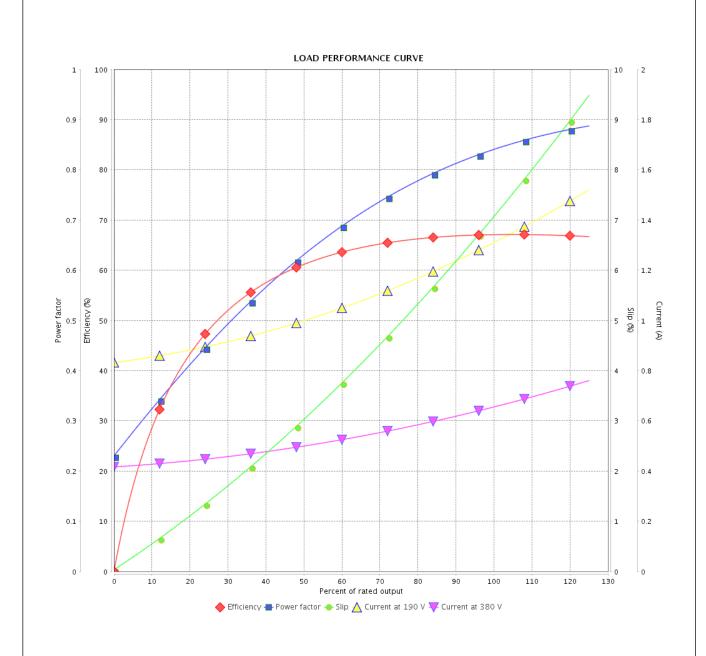
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Three-Phase Product code : 14733008



Performance : 190/380 V 50 Hz 2P : 1.35/0.675 A Rated current Moment of inertia (J) : 0.0005 kgm² **LRC** : 4.5 Duty cycle : Cont.(S1) : 0.086 kgfm Insulation class : F Rated torque Locked rotor torque : 190 % Service factor : 1.35 Breakdown torque : 210 % Temperature rise : 80 K Rated speed : 2785 rpm

·		•			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	17/05/2022			3/4	

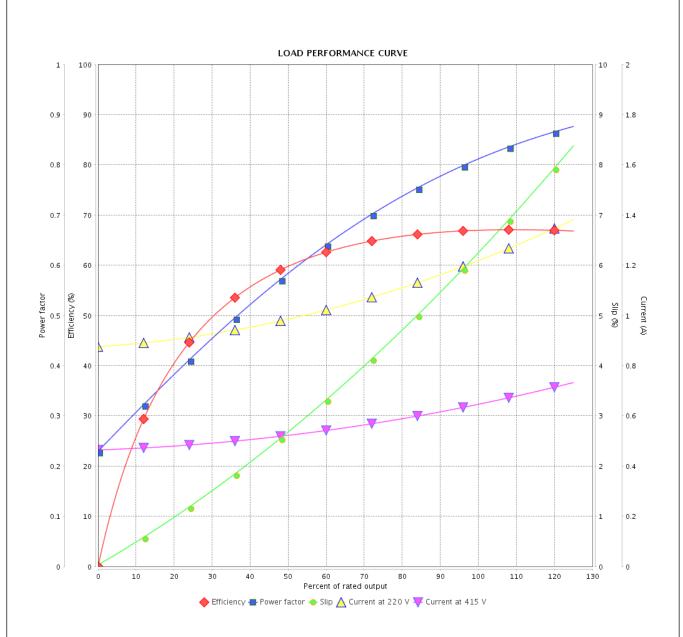
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase Product code : 14733008



Performance : 220/415 V 50 Hz 2P : 1.25/0.665 A : 0.0005 kgm² Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 4.8 : 0.085 kgfm Insulation class : F Rated torque Locked rotor torque : 210 % Service factor : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 2810 rpm

•		•			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
Date	17/05/2022	1		4/4	