### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : ODP High Efficiency Three-Phase Product code: 11996595

Frame : 256TC : IC01 - ODP Cooling method Mounting Insulation class : F-1 : F

Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line

· 1000 mas l Annroy weight3  $\cdot \cap \cap ka$ 

Altitude						
e : IP23   Moment of inertia (J) : 0.0778 kgm²			78 kgm²			
	: B					
	20	20	20	20		
	4	4	4	4		
	60	50	50	50		
	230/460	380	400	415		
	51.0/25.5	31.0	31.7	30.6		
	286/143	115	130	138		
	5.6x(Code G)	3.7x(Code C)	4.1x(Code E)	4.5x(Code E)		
	21.8/10.9	11.1	12.4	13.7		
	1765	1440	1450	1455		
Slip [%]		4.00	3.33	3.00		
Rated torque [kgfm]		10.1	10.0	9.98		
ocked rotor torque [%]		160	180	200		
Breakdown torque [%]		160	180	200		
	1.15	1.00	1.00	1.00		
	105 K	105 K	105 K	105 K		
	21s (cold) 12s (hot)	27s (cold) 15s (hot)	s (cold) 15s (hot) 25s (cold) 14s (hot)			
	60.0 dB(A)					
	90.2	87.5	87.5	87.5		
75%	91.0	88.5	88.5	88.5		
100%	91.0	87.5 87.5 88.5		88.5		
25%						
50%	0.64	0.72	0.62	0.64		
75%	0.75	0.81	0.74	0.76		
100%	0.81	0.84	0.78	0.81		
	[%] %] 25% 50% 75% 100% 25% 50% 75%	: IP23 : B  20 4 60 230/460 51.0/25.5 286/143 5.6x(Code G) 21.8/10.9 1765 1.94 8.22 [%] 229 %] 250 1.15 105 K 21s (cold) 12s (hot) 60.0 dB(A)  25% 50% 90.2 75% 91.0 100% 91.0 25% 50% 0.64 75% 0.75	: IP23 : B  20 20 4 4 4 60 50 230/460 380 51.0/25.5 31.0 286/143 115 5.6x(Code G) 21.8/10.9 11.1 1765 1440 1.94 4.00 8.22 10.1 [%] 229 160 %] 250 160 1.15 1.00 105 K 105 K 21s (cold) 12s (hot) 60.0 dB(A)  25% 50% 90.2 87.5 75% 91.0 88.5 100% 91.0 87.5 25% 50% 0.64 0.72 75% 0.75 0.81	: IP23 : B    20		

Non drive end Foundation loads Drive end

Bearing type 6309 Z C3 6209 Z C3 Max. traction : 314 kgf Sealing Without Without Max. compression : 314 kgf

> Bearing Seal Bearing Seal

Lubrication interval 20000 h 20000 h Lubricant amount 13 g 9 g Mobil Polyrex EM Lubricant type

Notes

USABLE @208V 56.4A SF 1.15 SFA 64.9A

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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/11/2025			1/5	

#### Three Phase Induction Motor - Squirrel Cage



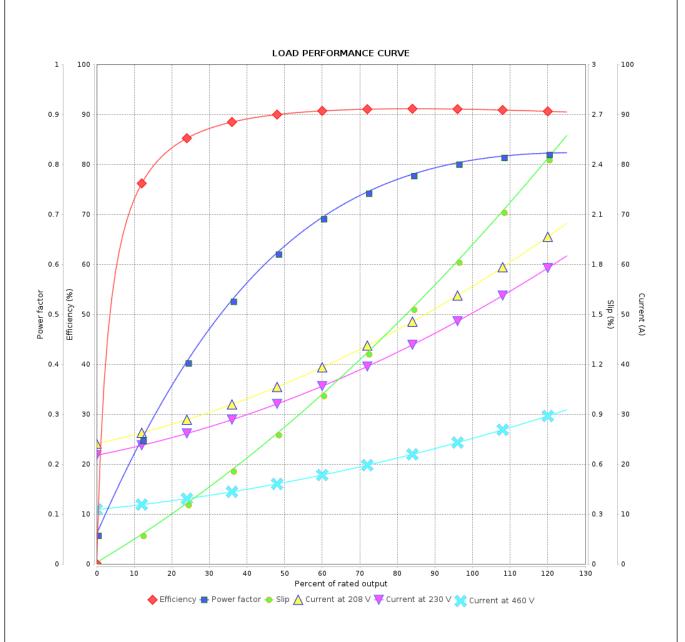
Customer :

Checked by

Date

13/11/2025

Product line : ODP High Efficiency Three-Phase Product code : 11996595



D	. 000/400 \/ 00     - 4D				
Performance	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 51.0/25.5 A : 5.6 : 8.22 kgfm : 229 % : 250 % : 1765 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.0778 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
Rev.	Changes Summar	у	Performed	Checked	Date
Performed by				I	

Page

2/5

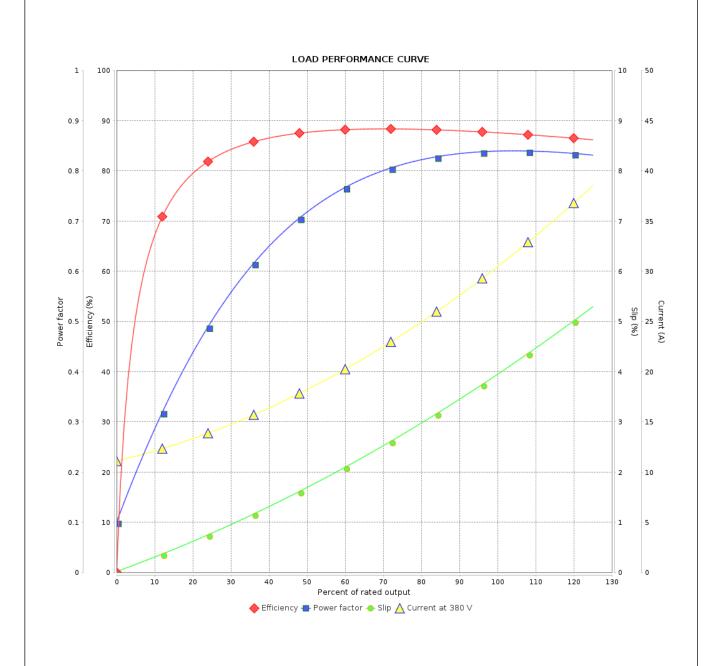
Revision

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11996595



				,	
Performance	: 380 V 50 Hz 4P				
Rated current	: 31.0 A	Moment of	f inertia (J)	: 0.0778 kgm	2
LRC	: 3.7	Duty cycle	·	: Cont.(S1)	
Rated torque	: 10.1 kgfm	Insulation	class	: F	
Locked rotor torque	: 160 %	Service fa	ctor	: 1.00	
Breakdown torque	: 160 %	Temperati	ure rise	: 105 K	
Rated speed	: 1440 rpm	Design		: B	
Rev.	Changes Summa	ry	Performed	Checked	Date

Rated speed	: 14	440 rpm	Design		: В	
Rev.		Changes Summary	1	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/11/2025	1			3/5	

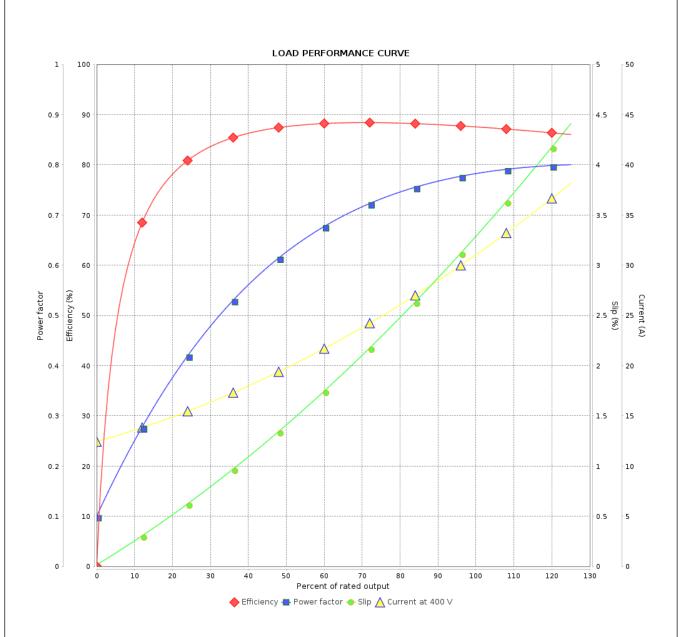
#### Three Phase Induction Motor - Squirrel Cage



_	
Customer	

Checked by

Product line : ODP High Efficiency Three-Phase Product code : 11996595



Performance		: 400 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 31.7 A : 4.1 : 10.0 kgfm : 180 % : 180 % : 1450 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.0778 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.		Changes Summar	у	Performed	Checked	Date
Performed by						

Page

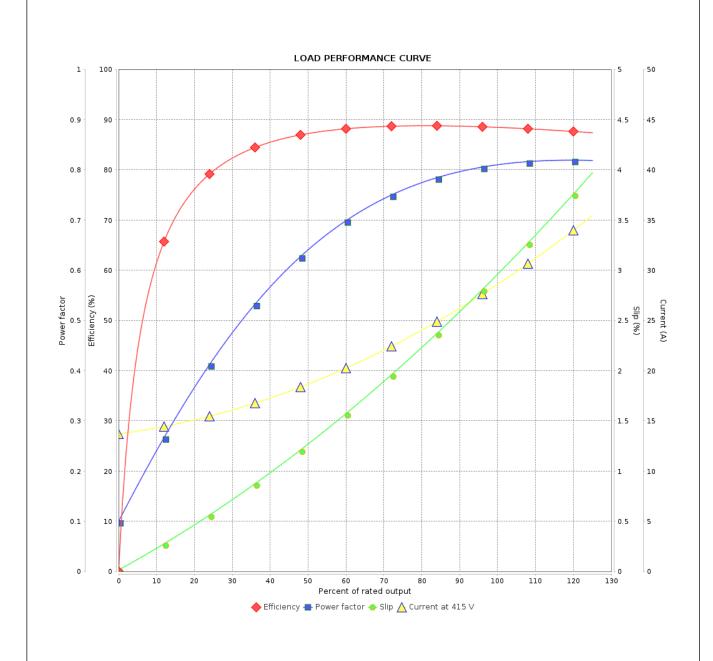
Revision

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11996595



Performance	: 4	15 V 50 Hz 4P				
Rated current LRC			: 0.0778 kgm²			
Rated torque		.98 kgfm	Duty cycle Insulation class		: Cont.(S1) : F	
Locked rotor tord	que : 2	00 %	Service fa	ictor	: 1.00	
Breakdown torqu		00 %	Temperature rise		: 105 K	
Rated speed	: 1	455 rpm	Design		: B	
Rev.		Changes Summary	,	Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	13/11/2025	1			5/5	

