#### **DATA SHEET**



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 13276769 : L447/9T Cooling method : IC411 - TEFC Frame Insulation class : F Mounting : F-1 Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Approx. weight<sup>3</sup> : 1653 kg Altitude : 1000 m.a.s.l. : 11.7 kgm<sup>2</sup> Protection degree : IP55 Moment of inertia (J) 400 350 Output [HP] 350 350 Poles 6 6 6 6 50 Frequency [Hz] 60 50 50 Rated voltage [V] 460 380 400 415 Rated current [A] 477 497 478 472 L. R. Amperes [A] 3291 3081 3346 3540 7.0x(Code H) LRC [A] 6.9x(Code H) 6.2x(Code G) 7.5x(Code J) No load current [A] 225 200 190 210 Rated speed [RPM] 990 990 990 1190 Slip [%] 1.00 1.00 1.00 0.83 Rated torque [kgfm] 257 257 244 257 Locked rotor torque [%] 200 220 240 240 Breakdown torque [%] 250 240 260 280 Service factor 1.00 1.00 1.00 1.00 Temperature rise 105 K 105 K 105 K 105 K 32s (cold) 18s (hot) 28s (cold) 16s (hot) Locked rotor time 23s (cold) 13s (hot) 25s (cold) 14s (hot) Noise level<sup>2</sup> 71.0 dB(A) 70.0 dB(A) 70.0 dB(A) 70.0 dB(A) 25% 50% 95.4 95.4 95.4 95.0 Efficiency (%) 75% 95.8 95.8 95.8 95.4 100% 95.8 95.8 95.8 95.8 25% 0.68 0.70 0.66 0.62 50% Power Factor 75% 0.78 0.80 0.77 0.74 100% 0.82 0.83 0.82 0.80 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 5.1 5.1 P2 (0,5;1,0) 3.8 3.8 3.8 3.8 P3 (0,25;1,0) 3.4 3.4 3.4 3.4 Losses (%) P4 (0,9;0,5) 2.9 2.9 2.9 2.9 P5 (0,5;0,5) 1.9 1.9 1.9 1.9 P6 (0,5;0,25) 1.4 1.4 1.4 1.4 P7 (0,25;0,25) 0.8 8.0 8.0 8.0 Drive end Non drive end Foundation loads NU-322 C3 Bearing type 6319 C3 Max. traction : 5458 kaf Sealing WSeal WSeal : 7111 kaf Max. compression 13000 h Lubrication interval 7000 h Lubricant amount 60 g 45 g Lubricant type Mobil Polyrex EM This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (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.

(1)710 10070 0110	an load.					
Rev.		Changes Summary	•	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/01/2024				1/6	

# DATA SHEET

#### Three Phase Induction Motor - Squirrel Cage



		•	3		
Customer	:				
	•				
Notes					
		01 0	<u> </u>		
Rev.		Changes Summary	Performed	Checked	Date
Performed by					I
				D	Davidat
Checked by				Page	Revision

#### Three Phase Induction Motor - Squirrel Cage

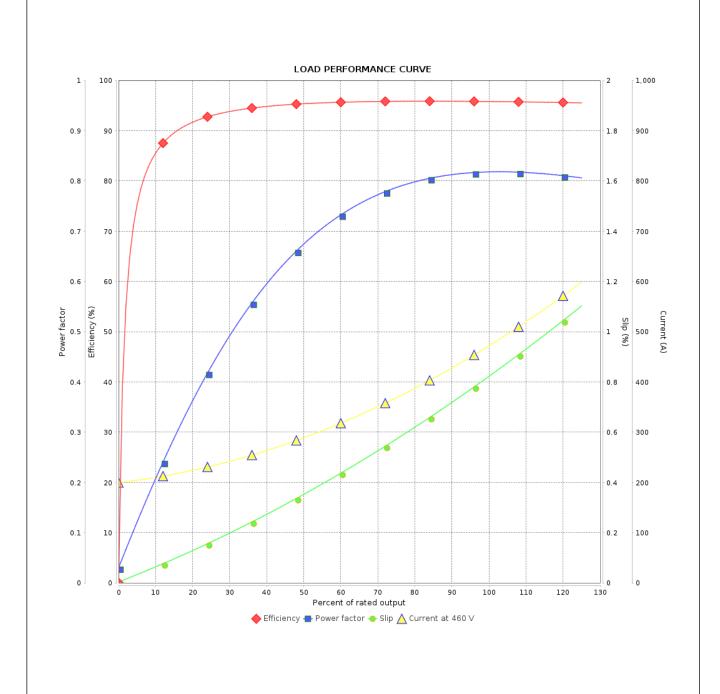


Customer

Product line : W22 NEMA Premium Efficiency Three-

Product code:

13276769



Performance	: 40	60 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		77 A 9 44 kgfm 40 % 50 % 190 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 11.7 kgm² : Cont.(S1) : F : 1.00 : 105 K	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	13/01/2024	-			3/6	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/01/2024

Product line : W22 NEMA Premium Efficiency Three-

Product code:

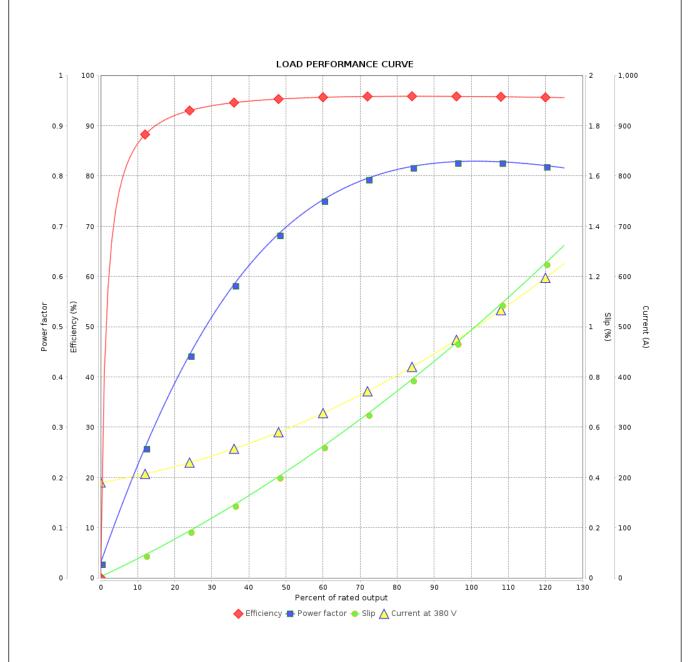
13276769

Page

4/6

Revision

Phase



Performance		: 380 V 50 Hz 6P IE3	3			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	-	: 497 A : 6.2 : 257 kgfm : 200 % : 240 % : 990 rpm		class actor	: 11.7 kgm² : Cont.(S1) : F : 1.00 : 105 K	
Rev.		Changes Summa	ary	Performed	Checked	Date
Performed by						

### Three Phase Induction Motor - Squirrel Cage

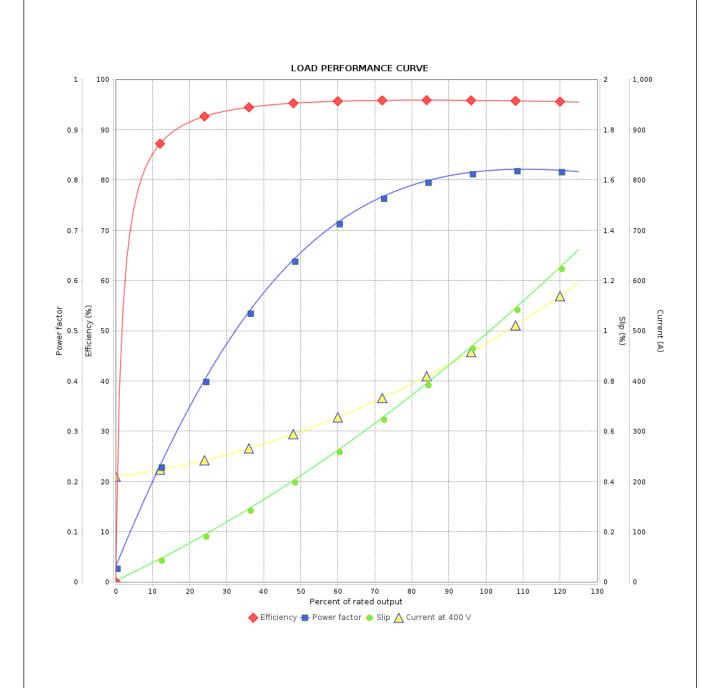


13276769

Customer :

Product line : W22 NEMA Premium Efficiency Three- Product code :

Phase



Performance	: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 478 A : 7.0 : 257 kgfm : 220 % : 260 % : 990 rpm	, ,		: 1.00	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

		,		
		I		
Performed by				
Checked by			Page	Revision
Date	13/01/2024		5/6	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/01/2024

Product line : W22 NEMA Premium Efficiency Three-

Product code:

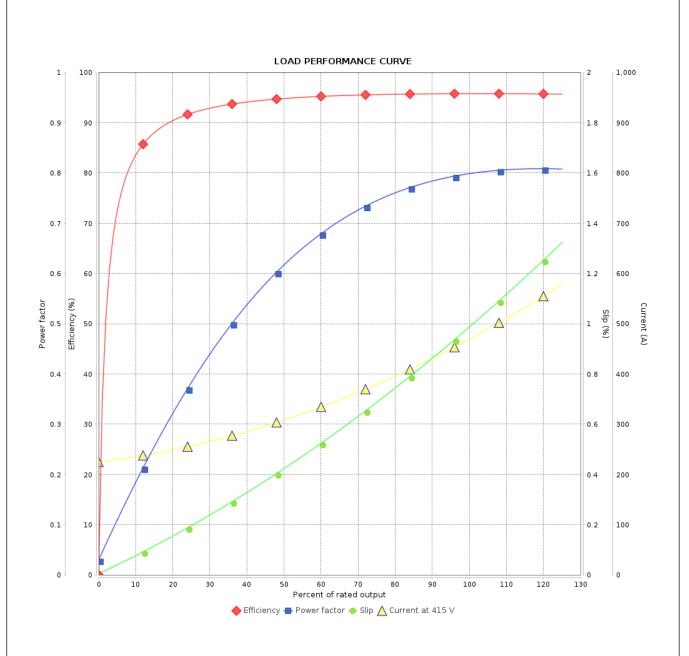
13276769

Page

6/6

Revision

Phase



Performance	: 415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 472 A : 7.5 : 257 kgfm : 240 % : 280 % : 990 rpm	: 7.5 Duty cycle : 257 kgfm Insulation class : 240 % Service factor : 280 % Temperature rise		: 11.7 kgm² : Cont.(S1) : F : 1.00 : 105 K	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					