## DATA SHEET



Bearing type : 6308 ZZ	Customer	:							
Output							13878036	13878036	
Poles								20s (hot)	
Altitude							: Cont.(S1)		
Rated current	Frequency	: 6	00 Hz		Ambien	t temperature	: -20°C to +	40°C	
L. R. Amperes   5.2.1 A   Cooling method   Cl411 - TEFC   LRC   7.1x(Code H)   No load current   3.3.6 A   Rated speed   1.765 rpm   Noise level*   58.0 dB(A)   Slip   1.94 %   Starting method   Direct On Line   Rated torque   3.0.9 kg/m   Approx. weight*   89.1 kg   Locked rotor torque   31.0 %   Insulation class   F   Service factor   1.25   Moment of inertia (J)   0.0566 kgm*   Design   B   Dutput   50%   75%   100%   Max. traction   1.32 kgf   Dower Factor   0.66   0.76   0.82   Max. traction   1.22 kgf    Losses at normative operating points (speed;torque), in percentage of rated output power   P1 (0.9:1.0)   P2 (0.5:1.0)   P3 (0.25:1.0)   P4 (0.9:0.5)   P5 (0.5:0.5)   P6 (0.5:0.25)   P7 (0.25:0.8 a)   Bearing type   6308 ZZ   6207 ZZ   Sealing   Direct on Line   Non drive end   Bearing type   6308 ZZ   6207 ZZ   Sealing   Writing   Lubrication interval   Lubricant amount   -   Lubricant amount   -   Lubricant type	•		-					s.l.	
LRC : 7.1x(Code H) Mounting : 1.1  Rated speed : 1765 rpm   Noise level* : 58.0 dB(A)   Starting method : Direct On Line Rated torque : 220 %   Breakdown torque : 310 %   Insulation class : F   Service factor : 1.25   Service factor : 1.25   Moment of inertia (J) : 0.0566 kgm²   Design : B   Service factor : 1.25   Moment of inertia (J) : 0.0566 kgm²   Design : B   Service factor : 1.25   Max. compression : 221 kgf   M									
No load current 3.3.6 A Rated speed : 1765 rpm   Slip   1.94 %   Slation   Slation   Slope   S								FC	
Rated speed : 1765 rpm   Noise level   : 58.0 dB(A)   Starting method : Direct On Line   Approx. weight : 89.1 kg   Starting method : Starting									
Slip : 1,94 % Aprox. weight : Direct On Line Rated torque : 3.08 kgfm									
Raited forque : 3.08 kgfm									
Locked rotor torque : 220 % Breakdown torque : 310 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0566 kgm² Design : B  Dutput 50% 75% 100% Foundation loads Efficiency (%) 89.5 91.0 91.7 Max. traction : 132 kgf Power Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Dosses at normative operating points (speed;torque), in percentage of rated output power  P1 (0.91,0) P2 (0.51,0) P3 (0.25,1,0) P4 (0.90,5) P5 (0.50,5) P6 (0.50,25) P7 (0.25,6) 8.8 7.0 6.5 4.9 3.3 2.4 1.6  Bearing type : 6308 ZZ 6207 ZZ Sealing : V'Ring Lip Seal Lubrication interval :								Line	
Breakdown torque : 310 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0566 kgm² Design : B  Dutput 50% 75% 100% Max. traction : 132 kgf Max. traction : 132 kgf Max. compression : 221 kgf  Dutput 60% 89.5 91.0 91.7 Max. compression : 221 kgf  Difficiency (%) 89.5 91.0 91.7 Max. compression : 232 kgf  Difficiency (%) 89.5 91.0 91.7 Max. compression : 221 kgf  Difficiency (%) 90.5 91.0 91.7 Max. compression : 132 kgf  Max. compression :					Approx.	weights	: 89.1 kg		
Insulation class   F   Service factor   1.25   1.25   Moment of inertia (J)   1.00.566 kgm²   1.00									
Service factor : 1.25 Moment of inertia (J) : 0.0566 kgm² Design : B  Dutput 50% 75% 100% Foundation loads Efficiency (%) 89.5 91.0 91.7 Max. traction : 132 kgf Power Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Dougle of the factor o.66 0.76 0.82 Max. compression : 221 kgf  Max. traction : 132 kgf  Max									
Moment of inertia (J) : 0.0566 kgm² : B  Dutput 50% 75% 100% Foundation loads Efficiency (%) 89.5 91.0 91.7 Max. traction : 132 kgf Max. compression : 221 kgf  Dought Selector 0.66 0.76 0.82 Max. compression : 221 kgf  Dought Selector 0.66 0.76 0.82 Max. compression : 221 kgf  Dought Selector 0.66 0.76 0.82 Max. compression : 221 kgf  Dought Selector 0.66 0.76 0.82 Max. compression : 221 kgf  Dought Selector 0.66 0.76 0.82 Max. compression : 221 kgf  Dought Selector 0.66 0.76 Max. compression : 221 kgf  Dought Selector 0.66 0.76 Max. compression : 221 kgf  Dought Selector 0.66 0.76 Max. compression : 221 kgf  Dought Selector 0.66 0.76 Max. compression : 221 kgf  Dought Selector 0.66 0.76 Max. compression : 221 kgf  Dought Selector 0.66 0.76 Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132 kgf Max. traction : 132									
Design : B  Output 50% 75% 100% Foundation loads  Efficiency (%) 89.5 91.0 91.7 Max. traction : 132 kgf  Power Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Oosese at normative operating points (speed;torque), in percentage of rated output power  P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0)  8.8 7.0 6.5 4.9 3.3 2.4 1.6  Bearing type : 6308 ZZ 6227 ZZ  Sealing : VRing Lip Seal  Lubrication interval :			-						
Dutput 50% 75% 100% Foundation loads Efficiency (%) 89.5 91.0 91.7 Max. traction : 132 kgf Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Downer Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Max. traction : 132 kgf Max. compression : 221 kgf  Max. compression			-						
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Efficiency (%) 89.5 91.0 91.7 O.82 Max. traction : 132 kgf Max. compression : 221 kgf  Cosses at normative operating points (speed;torque), in percentage of rated output power  P1 (0.9;1,0) P2 (0.5;1,0) P3 (0.25;1,0) P4 (0.9;0,5) P5 (0.5;0,5) P6 (0.5;0,25) P7 (0.25;0,8,8) P7.0 6.5 4.9 3.3 2.4 1.6  Bearing type : 6308 ZZ Sealing : V'Ring Lip Seal Lubrication interval :	Dutput	50%	75% 100%	6	Foundat	ion loads			
Power Factor 0.66 0.76 0.82 Max. compression : 221 kgf  Losses at normative operating points (speed;torque), in percentage of rated output power  P1 (0.9;1,0) P2 (0.5;1,0) P3 (0.25;1,0) P4 (0.9;0,5) P5 (0.5;0,5) P6 (0.5;0,25) P7 (0.25;0,6) R8 P7 (0.25;0,6) R9					Max tra	ction	· 132 kaf		
Cosses at normative operating points (speed;torque), in percentage of rated output power  P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,3) R8 P7 (0,25;0,3) R9 (0,5;0,25) P7 (0,25;0,3) R9 (0,5;0,25) R9 (0,5;0,2							•		
P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0 8.8 7.0 6.5 4.9 3.3 2.4 1.6  Bearing type						-	<del>-</del>		
Bearing type : G308 ZZ G207 ZZ Sealing : V'Ring Lip Seal Lubrication interval :		tive operating poi	nts (speed;torque)	, in perce	ntage of r	ated output power			
Bearing type : 6308 ZZ 6207 ZZ Sealing : V'Ring Lip Seal Lubrication interval : Lubricant amount : Lubricant type : Mobil Polyrex EM  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.		P2 (0,5;1,0)		P4 (0	,9;0,5)		P6 (0,5;0,25)	P7 (0,25;0,2	
Bearing type : 6308 ZZ 6207 ZZ Sealing : V'Ring Lip Seal Lubrication interval : Lubricant amount : Lubricant type : Mobil Polyrex EM  Notes  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.	8.8	7.0	6.5	4	.9	3.3	2.4	1.6	
Sealing : V'Ring Lip Seal Lubrication interval : Lubricant amount : - Mobil Polyrex EM  Notes  This revision replaces and cancel the previous one, which nust 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 nanufacturing process. 4) At 100% of full load.			Drive en	<u>d</u>		Non drive end	<u>d</u>		
Lubricant amount :	Bearing type	:	6308 Z	Z		6207 ZZ			
Lubricant amount : - Lubricant type : Mobil Polyrex EM  Notes  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.	•	:	V'Ring	3		Lip Seal			
Lubricant type : Mobil Polyrex EM  This revision replaces and cancel the previous one, which nust 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 nanufacturing process. 4) At 100% of full load.  These are average values based on tests with sinusoida power supply, subject to the tolerances stipulated in NEI MG-1.			-			-			
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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/07/2025			1/3	

## DATA SHEET



Three Phase Inc	duction Motor - Squirrel Cag	е		шеч
Customer	:			<u>.</u>
\/_\\\	Brake informat	ion		
Voltage: 525-575 V Brake Torque: 8.15 kgfm				
Rev.	Changes Summary	Performed	Checked	Date
Porformed by				
Performed by Checked by			Page	Revision

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14/07/2025

Date

## LOAD PERFORMANCE CURVE

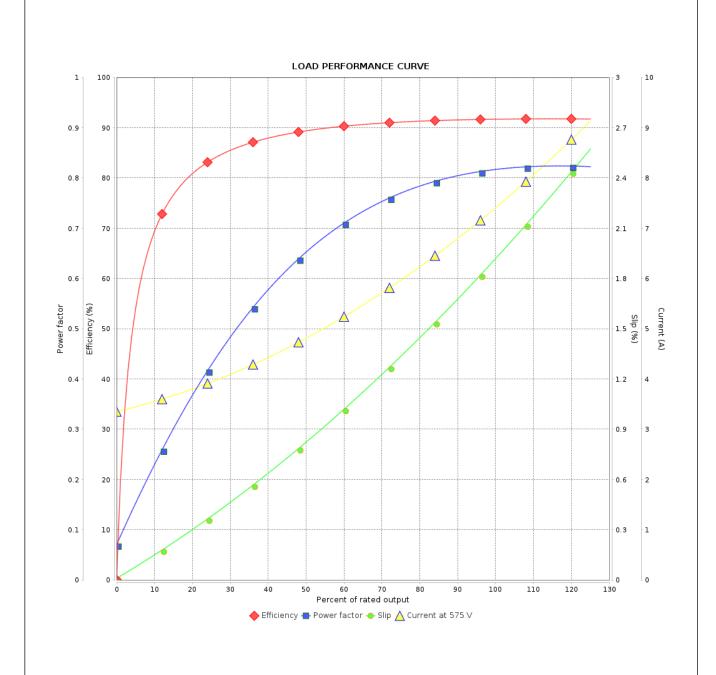
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Product code : 13878036

Efficiency Three-Phase



Performance	: 575 V 60 Hz 4P					
Rated current	: 7.34 A	Moment of inertia (J)		Moment of inertia (J) : 0.0566 kgm²		2
LRC	: 7.1	Duty cycle		: Cont.(S1)		
Rated torque	: 3.08 kgfm	Insulation class		:F		
Locked rotor torque	: 220 %	Service factor		: 1.25		
Breakdown torque	: 310 %	Temperature rise		: 80 K		
Rated speed	: 1765 rpm	Design		: B		
Rev.	Changes Summary		Performed	Checked	Date	

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/07/2025			3/3	