## DATA SHEET



Product line	Three Phas	se Indu	ction	Motor - So	quirrel	Cage			шь
Three-Phase	Customer	:							
Output         : 5 HP (3.7 kW)         Temperature rise         : 80 K           Poles         : 4         Duty cycle         : Cont.(S1)           Frequency         : 60 Hz         Ambient temperature         : -20°C to +40°C           Rated voltage         : 575 V         Altitude         : 1000 m.a.s.l.           Rated voltage         : 57.5 V         Altitude         : 1000 m.a.s.l.           Rated courrent         : 5.19 A         Protection degree         : 1P55           L. R. Amperes         : 38.9 A         Cooling method         : IC411 - TEFC           LRC         : 7.5x(Code J)         Mounting         : F-1           No load current         : 2.40 A         Rotation¹         : Both (CW and CCW)           Nalse speed         : 1750 rpm         Noise level²         : 56.0 dB(A)           Slip         : 2.78 %         Starting method         : Direct On Line           Rated torque         : 2.07 kgfm         Approx. weight³         : 44.6 kg           Locked rotor torque         : 300 %         Approx. weight³         : 44.6 kg           Breakdown torque         : 300 %         Ambient temperature         : 44.6 kg           Output         25%         50%         75%         100%         Foundation loads <td colspan="5"></td> <td colspan="3">ncy Product code : 11456702</td> <td></td>						ncy Product code : 11456702			
Efficiency (%)	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inerti	ue	: 18 : 5 : 4 : 60 : 57 : 5. : 38 : 7. : 2. : 17 : 2. : 22 : 30 : F	32/4TC HP (3.7 kW) O Hz 75 V 19 A 3.9 A 5x(Code J) 40 A 750 rpm 78 % 07 kgfm 29 %		Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise le	ature rise cle t temperature on degree method ig or evel² method	: 80 K : Cont.(S1) : -20°C to +- : 1000 m.a.s : IP55 : IC411 - TE : F-1 : Both (CW : 56.0 dB(A)	40°C s.l. FC and CCW)
Power Factor   0.00   0.60   0.72   0.80   Max. compression   : 152 kgf						1		400   6	
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;0,25)           11.1         9.3         9.4         5.6         3.9         2.7         1.9           Drive end Bearing type         : 6207 ZZ         6206 ZZ         6206 ZZ         V'Ring         V'Ring         V'Ring         Lubrication interval         : -         -         -         -         -         Lubricant amount         : -         -         Mobil Polyrex EM         Mobil Polyrex EM         Mobil Polyrex EM         -									
11.1         9.3         9.4         5.6         3.9         2.7         1.9           Drive end Bearing type         Sealing type         Sealing type Sealing type Sealing type Sealing type Sealing type Sealing type Sealing type type type type type type type type	Losses at normat	tive operati	ng poin	ts (speed;torque)	), in perce	ntage of r	ated output power		
Bearing type : 6207 ZZ 6206 ZZ Sealing : V'Ring V'Ring Lubrication interval : Lubricant amount : - Mobil Polyrex EM			1,0)						P7 (0,25;0,25
Bearing type : 6207 ZZ 6206 ZZ Sealing : V'Ring V'Ring Lubrication interval : Lubricant amount : Lubricant type : Mobil Polyrex EM	11.1	9.3		9.4	5	5.6			1.9
Notes	Sealing Lubrication inter Lubricant amour		: : : :	6207 2	<u></u>	bil Polyre	6206 ZZ V'Ring - -	<u> </u>	
			:		Мо	DII Polyrex	( EM		
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Rev.		Changes Summary	Performed	Checked	Date
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Date	13/07/2025			1/2	

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

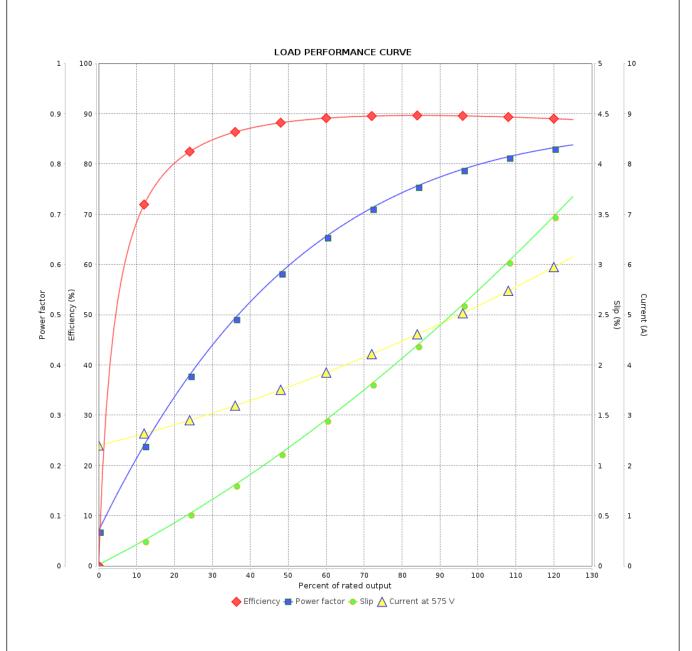
Date

13/07/2025

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11456702



Performance : 575 V 60 Hz 4P : 0.0169 kgm<sup>2</sup> Rated current : 5.19 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 7.5 : 2.07 kgfm Insulation class Rated torque : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1750 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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