## DATA SHEET Three Phase Induction Motor - Squirrel Cage

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Customer

Frame :: 143/5TC Locked rotor time :: 395 (rot) / 225 (rot)   Poles :: 4 IP(0,75 kW) Temperature rise :: 80 k   Poles :: 4 Duty cycle :: Cont.(S1)   Ambient temperature rise :: 200 V Ambient temperature :: 200 C 40°C   Rated voltage :: 200 V Ambient temperature :: 200 C 40°C   Rated voltage :: 200 V Ambient temperature :: 200 C 40°C   Rated voltage :: 200 A Noise level <sup>2</sup> :: 50 kg   I.R. Amperes :: 27.8 A Kounting :: F.   Rated speed :: 1760 rpm Starting method :: D01 curst On Line   Age torque :: 200 % Starting method :: D01 curst On Line   Age torque :: 200 % Starting method :: D01 curst On Line   Age torque :: 200 % Starting method :: D01 curst On Line   Age torque :: 200 % Starting method :: D1 curst On Line   Service factor :: 1.15 Max. compression :: 50 kg   Dutput :: 25% : 50% of 75% : 100% Max. compression :: 50 kg   Dutput :: 25% : 50% of 205 22 : 6205 22 : 6205 22 : 6203 22   Lubrication interval	Product line		lled Steel e-Phase	NEMA Pre	emium Efficier	ncy Product code :	13413918	
Output :1 HP (0.75 kW) Temperature rise :30 K   Frequency :60 Hz Ambient temperature :20°C 140°C   Rated voltage :200 V Attitude :20°C 140°C   No load current :2.20 A Noise level :62.0 dB(A)   No load current :2.20 A Noise level :52.0 dB(A)   Starting method :Direct On Line Approx. weight* :15.6 kg   Breakdown torque :200 % Starting method :Direct On Line   Approx. weight* :15.6 kg Starting method :Direct On Line   Approx. weight* :15.6 kg Starting method :Direct On Line   Approx. weight* :15.6 kg :So dg :So dg   Starting method :20°C AC :So dg :So dg   Dutp tot :28° 50% :57.8% 100% :So dg   Starting method :So dg :So dg :So dg :So dg   Dutp tot :28° 50% :So 0.65 :So dg :So dg   Dutp tot :260 52 :So 205 22 <t< th=""><th></th><th></th><th></th><th></th><th></th><th>Catalog # :</th><th>00118OT3P</th><th>143TC-S</th></t<>						Catalog # :	00118OT3P	143TC-S
This revision replaces and cancel the previous one, which must be eliminated.   Max. traction   : 34 kgf     This revision replaces and cancel the previous one, which must be eliminated.   Max. traction   : 34 kgf     This revision replaces and cancel the previous one, which must be eliminated.   These are average values based on tests with sinusoida power supply, subject to the tolerances stipulated in NEM () Looking the motor from the shaft end.   These are average values based on tests with sinusoida power supply, subject to the tolerances stipulated in NEM () A tracturing process.     (4) At 100% of full load.   Rev.   Changes Summary   Performed   Checked   Date     Performed by   Image Summary   Performed   Checked   Date	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torqu Breakdown torque Insulation class Service factor Moment of inertia	e	: 1 HI : 4 : 60 F : 200 : 3.47 : 27.8 : 8.0x : 2.20 : 176 : 2.22 : 0.41 : 290 : 360 : F : 1.15 : 0.00	P (0.75 kW Hz V 7 A 3 A ((Code L) ) A 0 rpm 2 % 12 kgfm % %	()	Temperature rise Duty cycle Ambient temperature Altitude Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IC01 - OD : F-1 : Both (CW : 52.0 dB(A : Direct On	-40°C s.l. )P and CCW)
Efficiency (%)   79.9   81.5   84.0   85.5   Max. traction   : 34 kgf     Power Factor   0.29   0.51   0.65   0.73   Max. compression   : 50 kgf     Bearing type   :   6205 ZZ   6203 ZZ   Sealing   Without Bearing Seal   Without Bearing Seal     Lubrication interval   :   -   -   -   -     Lubrication type   :   Mobil Polyrex EM   -   -   -     Notes   -	Output	25%	50%	75%	100%	Foundation loads		
Power Factor   0.29   0.51   0.65   0.73   Max. compression   : 50 kgf     Bearing type   :   6205 ZZ   6203 ZZ							: 34 kgf	
Bearing type   :   6205 ZZ   6203 ZZ     Sealing   :   Without Bearing Seal   Without Bearing Seal     Lubrication interval   :   -   -     Lubricant amount   :   -   -     Lubricant type   :   Mobil Polyrex EM     Notes   Mobil Polyrex EM     Notes   Mobil Polyrex EM     Notes   Mobil Polyrex EM     Notes						Max. compression		
nust be eliminated.   power supply, subject to the tolerances stipulated in NEM     1) Looking the motor from the shaft end.   power supply, subject to the tolerances stipulated in NEM     2) Measured at 1m and with tolerance of +3dB(A).   MG-1.     3) Approximate weight subject to changes after   MG-1.     nanufacturing process.   Performed     4) At 100% of full load.   Performed     Performed by   Performed by	Sealing Lubrication interva		:	62	05 ZZ	6203 ZZ		
Performed by			:		- Mo	- bil Polyrex EM		
	Lubricant type Notes This revision replace nust be eliminated 1) Looking the mo 2) Measured at 1r 3) Approximate we nanufacturing proc	ces and c d. otor from t m and with eight subj cess.	he shaft e h tolerance	end. e of +3dB(/	one, which A).	These are average value power supply, subject to t		
	Lubricant type Notes This revision replac must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate we manufacturing prod (4) At 100% of full	ces and c d. otor from t m and with eight subj cess.	he shaft e h toleranc ject to cha	end. e of +3dB( inges after	one, which A).	These are average values power supply, subject to t MG-1.	he tolerances stipu	lated in NEMA
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