## DATA SHEET

:

Three Phase Induction Motor - Squirrel Cage



Customer

Frame  : 143/6T    Output  : 2 HP (1.5 kW)    Poles  : 4    Frequency  : 60 Hz    Rated voltage  : 230/40 V    No load current  : 3.20/1.60 A    Sig  : 2.78 %    Rated forque  : 6.00 ft.b    Locked rotor torque  : 270 %    Breakdown torque  : 320 %    Insulation class  : F    Service factor  : 1.15    Moment of inertia (J)  : 0.1595 sq.ft.b    Design  : B    Output  25% 50% 75% 100%    So 1.30.29 0.59 0.73 0.69 0.81 0.78    Output  25% 50% 75% 100%    Power Factor  0.32 0.38 0.56 0.64 0.70 0.77 0.78 0.84 0.34 0.31 0.59 0.55 0.73 0.69 0.81 0.78    Bearing type  : 6205 2RS    Sealing  : 14 b    Lubrication interval  : -    Lubrication interval  : -    Lubrication interval  : - <th>Product line</th> <th colspan="2">: W21 Explosion Proof NEMA Premium Efficiency Three-Phase</th> <th></th> <th colspan="2">14325085 00218XT3E145T</th>	Product line	: W21 Explosion Proof NEMA Premium Efficiency Three-Phase			14325085 00218XT3E145T			
Moment of inertia (J)    : 0.1595 sq.ft.lb      Design    : B      Output    25%    50%    75%    100%      Efficiency (%)    82.9 85.0 84.0 84.0 85.5 84.0 86.8 82.5    Max. traction    : 134 lb      Power Factor    0.32 0.38 0.56 0.64    0.70 0.77    0.78 0.84    Max. compression    : 207 lb      Bearing type    :    6205 2RS    6204 2RS    Sealing    Lip Seal      Lubrication interval    :    -    -    -      Lubricant amount    :    -    -    -      Lubricant amount    :    -    -    -      Lubricant type    :    Mobil Polyrex EM    -    -      Notes:    This revision replaces and cancel the previous one, which must be eliminated.    These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEM4 MG-1.      (1) Looking the motor from the shaft end.    (2) Measured at 1m and with tolerance of +3dB(A).    These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEM4 MG-1.	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class		: 2 HP (1.5 kW) : 4 : 60 Hz : 230/460 V : 5.58/2.79 A : 49.7/24.8 A : 8.9x(Code L) : 3.20/1.60 A : 1750 rpm : 2.78 % : 6.00 ft.lb : 270 % : 320 % : F	Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method	: 80 K : Cont.(S1) : -20°C to +40 : 1000 m.a.s.l : IP55 : IC411 - TEF : F-1 : Both (CW ar : 51.0 dB(A) : Direct On Lin	Is (hot) )°C C nd CCW)		
This revision replaces and cancel the previous one, which must be eliminated.    Max. traction    : 134 lb      This revision replaces and cancel the previous one, which must be eliminated.    Max. traction    : 134 lb      This revision replaces and cancel the previous one, which must be eliminated.    Most from the shaft end.    Notes:	Moment of inertia	ι (J)	: 0.1595 sq.ft.lb					
Efficiency (%)    82.9 85.0 84.0 84.0 85.5 84.0 86.5 82.5 82.1 82.1 82.5 82.5 84.0 84.0 84.0 84.0 84.0 0.32 0.38 0.56 0.64 0.70 0.77 0.78 0.84 0.34 0.31 0.59 0.55 0.73 0.69 0.81 0.78    Max. traction    : 134 lb      Power Factor    0.32 0.38 0.56 0.64 0.70 0.77 0.78 0.84 0.34 0.31 0.59 0.55 0.73 0.69 0.81 0.78    Max. compression    : 207 lb      Bearing type    :    6205 2RS    6204 2RS    Sealing    Lip Seal      Lubrication interval    :    -    -    -    Lubrication interval    :      Lubricant type    :    Mobil Polyrex EM    Mobil Polyrex EM    Notes:    Notes:	Output	25% ;	50% 75% 100%	Foundation loads				
Drive end    Non drive end      Bearing type    :    6205 2RS    6204 2RS      Sealing    :    Oil Seal    Lip Seal      Lubrication interval    :    -    -      Lubricant amount    :    -    -      Lubricant type    :    Mobil Polyrex EM      Notes:    Motes:    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).    These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	Efficiency (%) Power Factor	82.1 82.1 8 0.32 0.38 (	82.5 82.5 84.0 84.0 84.0 84.0 0.56 0.64 0.70 0.77 0.78 0.84					
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).	Bearing type:6205 2RSSealing:Oil SealLubrication interval:-Lubricant amount:-			6204 2RS Lip Seal - -				
(3) Approximate weight subject to changes alter	Lubricant amount		-	- - bil Polyrex EM				
	Lubricant amount Lubricant type Notes: This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro (4) At 100% of full	aces and can d. otor from the m and with to veight subject ocess.	Mc	These are average values power supply, subject to the MG-1.	e tolerances stipulat	ed in NEMA		
	Lubricant amount Lubricant type Notes: This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro	aces and can d. otor from the m and with to veight subject ocess.		These are average values power supply, subject to the				
New  Tenominal  Checked  Date    Performed by	Lubricant amount Lubricant type Notes: This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro (4) At 100% of full Rev. Performed by	aces and can d. otor from the m and with to veight subject ocess.	Mc	These are average values power supply, subject to the MG-1.	e tolerances stipulat	Date		

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## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
	<b>v</b>				
Rev.	Changes	Summary	Performed	Checked	Date
		· (			-
rformed by					
rformed by				_	
				Page	Devictor
hecked by	28/03/2024			2/2	Revision

