DATA SHEET

Three Phase Induction Motor - Squirrel Cage



: Dealers Industrial Equipment 800-469-3110

: 02036OT3H254TC-W40 Customer reference

Product line : W40 NEMA Premium Efficiency Product code: 14495053

Three-Phase

Catalog #: 02036OT3H254TC-W40

Frame : 254T Locked rotor time : 21s (cold) 12s (hot)

Output : 20 HP (15 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V : 1000 m.a.s.l. Altitude

Rated current : 19.4 A Protection degree : IP23 L. R. Amperes : 122 A Cooling method : IC01 - ODP LRC : 6.3x(Code G) Mounting : F-1

No load current : 6.72 A Rotation¹ : Both (CW and CCW) Rated speed : 3535 rpm Starting method : Direct On Line

Slip : 1.81 % Approx. weight³ : 240 lb

Rated torque : 29.3 ft.lb Locked rotor torque : 200 % Breakdown torque : 280 % Insulation class : F

: 1.25 Moment of inertia (J) : 0.8718 sq.ft.lb Design : B

25% 50% 75% 100% Output Foundation loads Efficiency (%) 90.0 90.2 91.0 91.0 Max. traction

Power Factor 0.48 0.72 0.82 0.85 Max. compression Non drive end Drive end Bearing type 6309 Z C3 6209 Z C3

Sealing Without Bearing Seal Without Bearing Seal Lubrication interval 20000 h 20000 h

Lubricant amount 13 g 9 g

Lubricant type Mobil Polyrex EM

Notes

Service factor

downloaded from http://dealerselectric.com

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.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary		Performed		Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2019				1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110

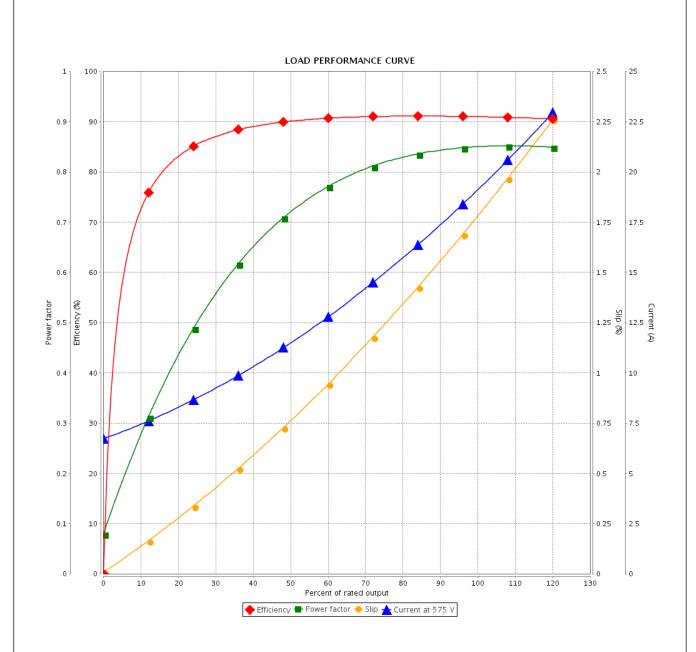
Customer reference : 02036OT3H254TC-W40

Product line : W40 NEMA Premium Efficiency Product code : 14495053

Three-Phase

Catalog #: 02036OT3H254TC-W40

2/2



								
Performance	: 575 V 60 Hz 2P							
Rated current LRC	: 19.4 A : 6.3	Moment of inertia (J) Duty cycle		: 0.8718 sq.ft.lb : Cont.(S1)				
Rated torque Locked rotor torque Breakdown torque Rated speed	: 29.3 ft.lb : 200 % : 280 % : 3535 rpm	Insulation Service fac	Insulation class Service factor Temperature rise Design		: F : 1.25 : 80 K : B			
Rev.	Changes Summary		Performed	Checked	Date			
Performed by								
Checked by				Page	Revision			

14/04/2019

Date

