

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 05018OT3V326TS-W40

Product line : W40 NEMA Premium Efficiency Three-Phase      Product code : 14497316  
Catalog # : 05018OT3V326TS-W40

Frame	: 324/6TS	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 50 HP (37 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 200/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 135/67.3 A	Protection degree	: IP23
L. R. Amperes	: 848/424 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: F-1
No load current	: 53.4/26.7 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1775 rpm	Noise level <sup>2</sup>	: 66.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 146 ft.lb	Approx. weight <sup>3</sup>	: 542 lb
Locked rotor torque	: 240 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 7.08 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	94.0	94.1	94.5	94.5	Max. traction
Power Factor	0.44	0.70	0.80	0.84	Max. compression

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6312 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	21 g	11 g
Lubricant type	:	Mobil Polyrex EM	

Notes  
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		Page		Revision
Checked by		1 / 2		
Date	14/04/2019			

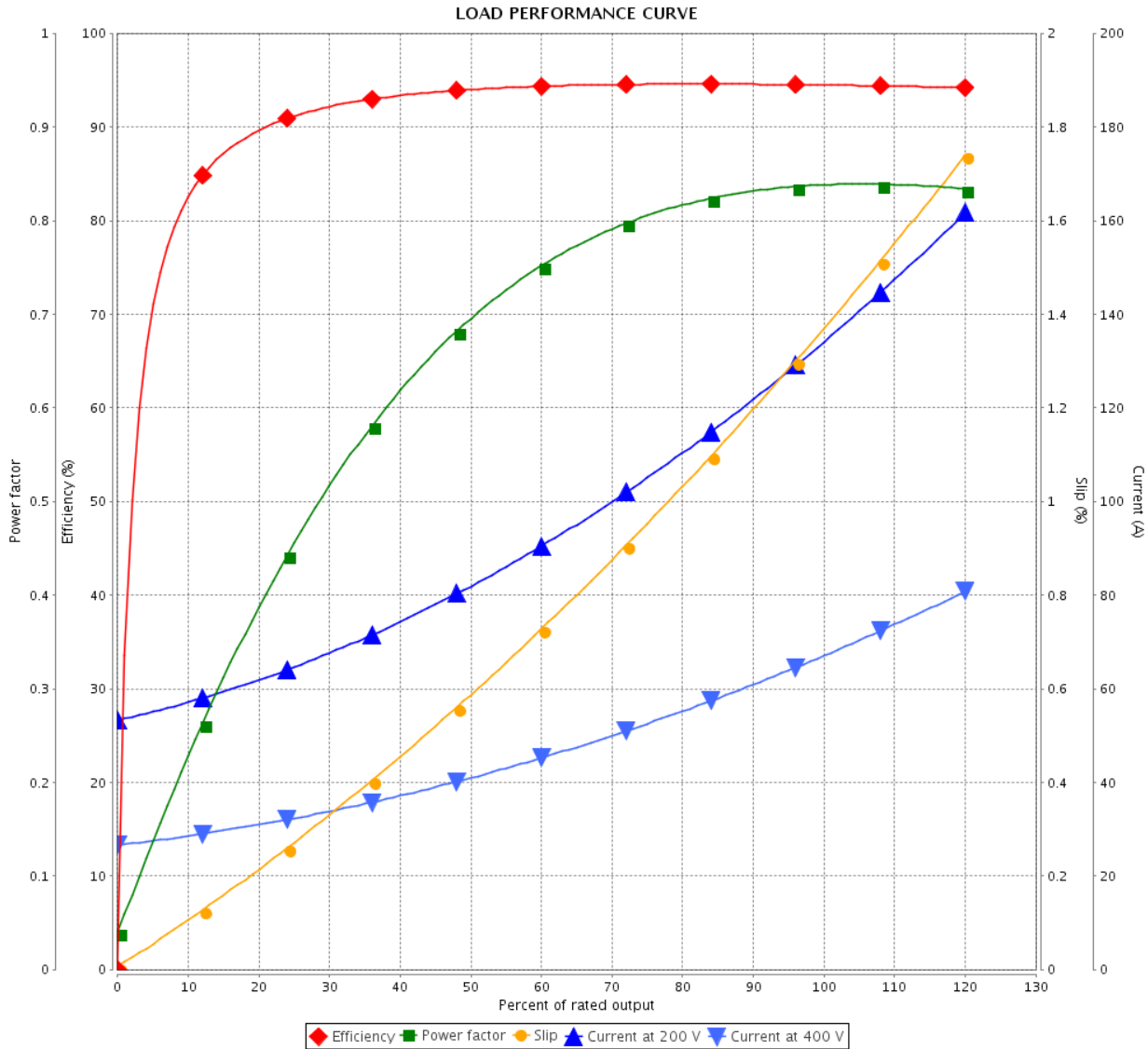
# LOAD PERFORMANCE CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
 Customer reference : 05018OT3V326TS-W40

Product line : W40 NEMA Premium Efficiency Three-Phase      Product code : 14497316  
 Catalog # : 05018OT3V326TS-W40



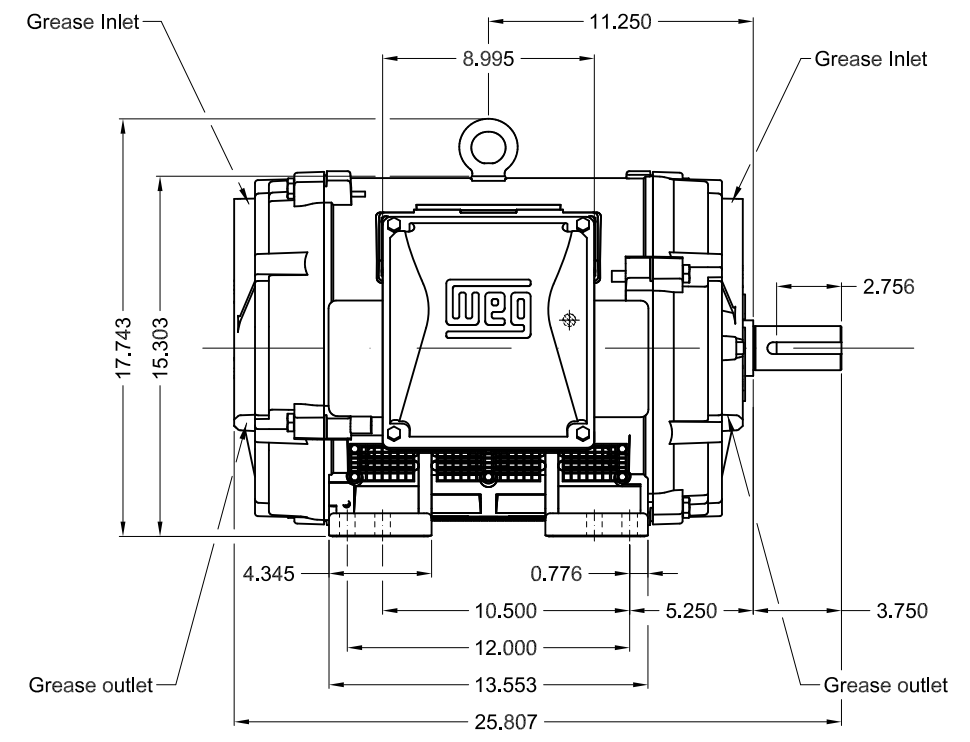
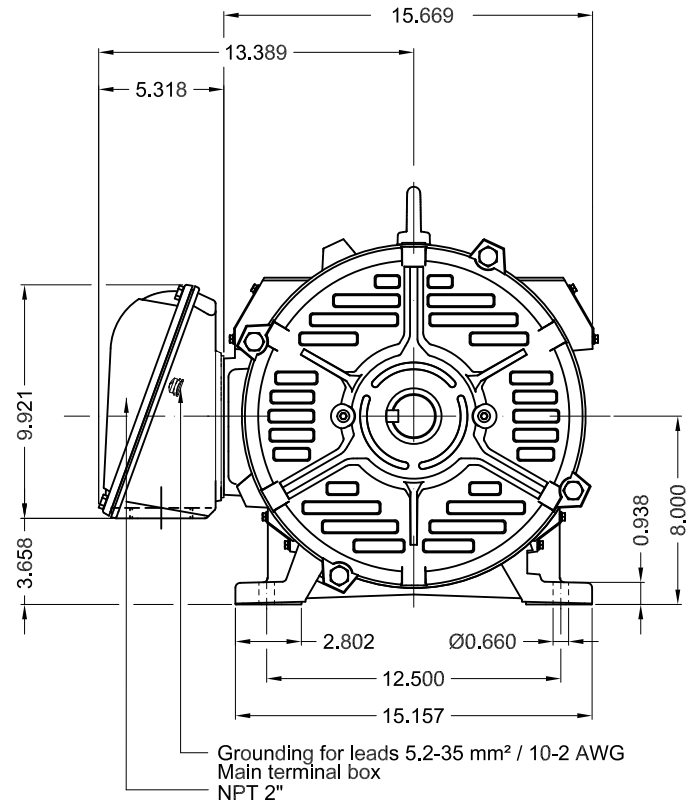
Performance : 200/400 V 60 Hz 4P

Rated current : 135/67.3 A	Moment of inertia (J) : 7.08 sq.ft.lb
LRC : 6.3	Duty cycle : Cont.(S1)
Rated torque : 146 ft.lb	Insulation class : F
Locked rotor torque : 240 %	Service factor : 1.25
Breakdown torque : 240 %	Temperature rise : 80 K
Rated speed : 1775 rpm	Design : B

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

Dimensões em polegada  
Dimensions in inches

THIS IS AN UPDATED REVISION, THE  
PREVIOUS ONE MUST BE DISREGARDED.



TS shaft end										
Color RAL 5009										
Painting plan 203A										
Mounting B3R(D)										
								SCALE	1:8	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PHASE W40 MOTOR NEMA PREMIUM EFF								
CHECKED		FRAME 324/6TS IP23 ODP								
RELEASED		WEG code: 14497316								
REL DT	14.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1				

50 HP 04 Poles 60Hz

A



ZME A3