

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 14165571
Catalog # : 00536ES1B184T-W22

Frame : 182/4T
Output : 5 HP (3.7 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 41.1/22.1-20.8 A
L. R. Amperes : 358/192-181 A
LRC : 8.7x(Code K)
No load current : 15.0/0.000-7.50 A
Rated speed : 3515 rpm
Slip : 2.36 %
Rated torque : 7.47 ft.lb
Locked rotor torque : 320 %
Breakdown torque : 320 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1898 sq.ft.lb

Locked rotor time : 10s (cold) 6s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Starting method : Direct On Line
Approx. weight³ : 103 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	78.0	82.5	84.0
Power Factor	0.00	0.78	0.87	0.89

Foundation loads
Max. traction : 101 lb
Max. compression : 204 lb

	Drive end	Non drive end
Bearing type	6207 ZZ	6206 ZZ
Sealing	V'Ring	V'Ring
Lubrication interval	0 h	0 h
Lubricant amount	0 g	0 g
Lubricant type	00088	

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).
- (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 1 / 2Revision		
Checked by				
Date	01/07/2026			

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

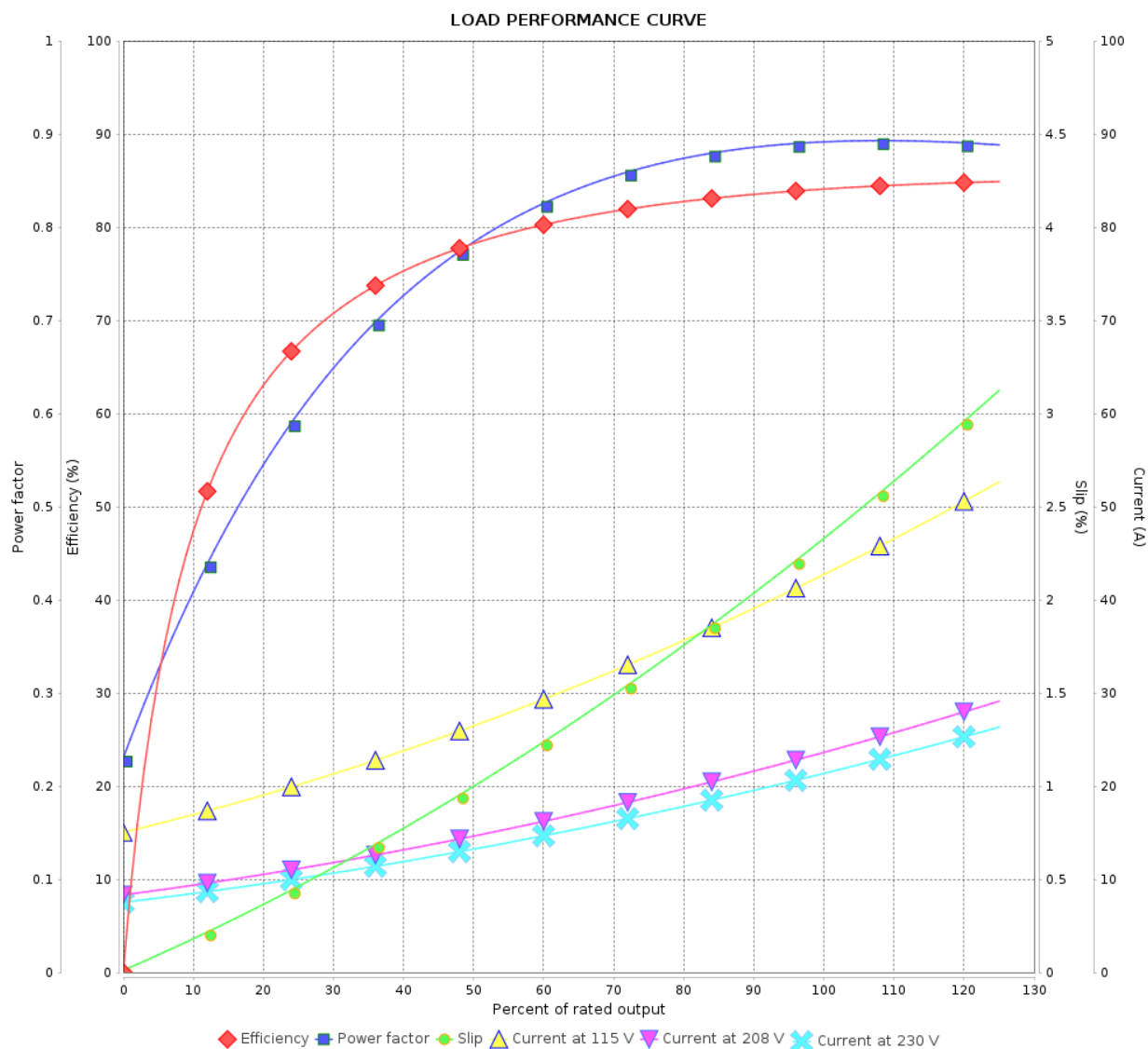
Product line : W22 Single-Phase

Product code :

14165571

Catalog # :

00536ES1B184T-W22



Performance : 115/208-230 V 60 Hz 2P

Rated current : 41.1/22.1-20.8 A
LRC : 8.7
Rated torque : 7.47 ft.lb
Locked rotor torque : 320 %
Breakdown torque : 320 %
Rated speed : 3515 rpm

Moment of inertia (J) : 0.1898 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
Checked by				
Date	01/07/2026			