

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 15036OP3GFP405TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282851
Catalog # : 15036OP3GFP405TS-W40

Frame	: 404/5TS	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 150 HP (110 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 164 A	Protection degree	: IP23
L. R. Amperes	: 1082 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code G)	Mounting	: F-1
No load current	: 30.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3550 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight ³	: 929 lb
Rated torque	: 219 ft.lb		
Locked rotor torque	: 170 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 9.20 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.8	93.0	93.6	93.6	Max. traction	: 1201 lb
Power Factor	0.65	0.84	0.89	0.90	Max. compression	: 2130 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6212 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	14418 h	20000 h
Lubricant amount	:	27 g	13 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				
Checked by				
Date	16/04/2019			

Page 1 / 2
Revision

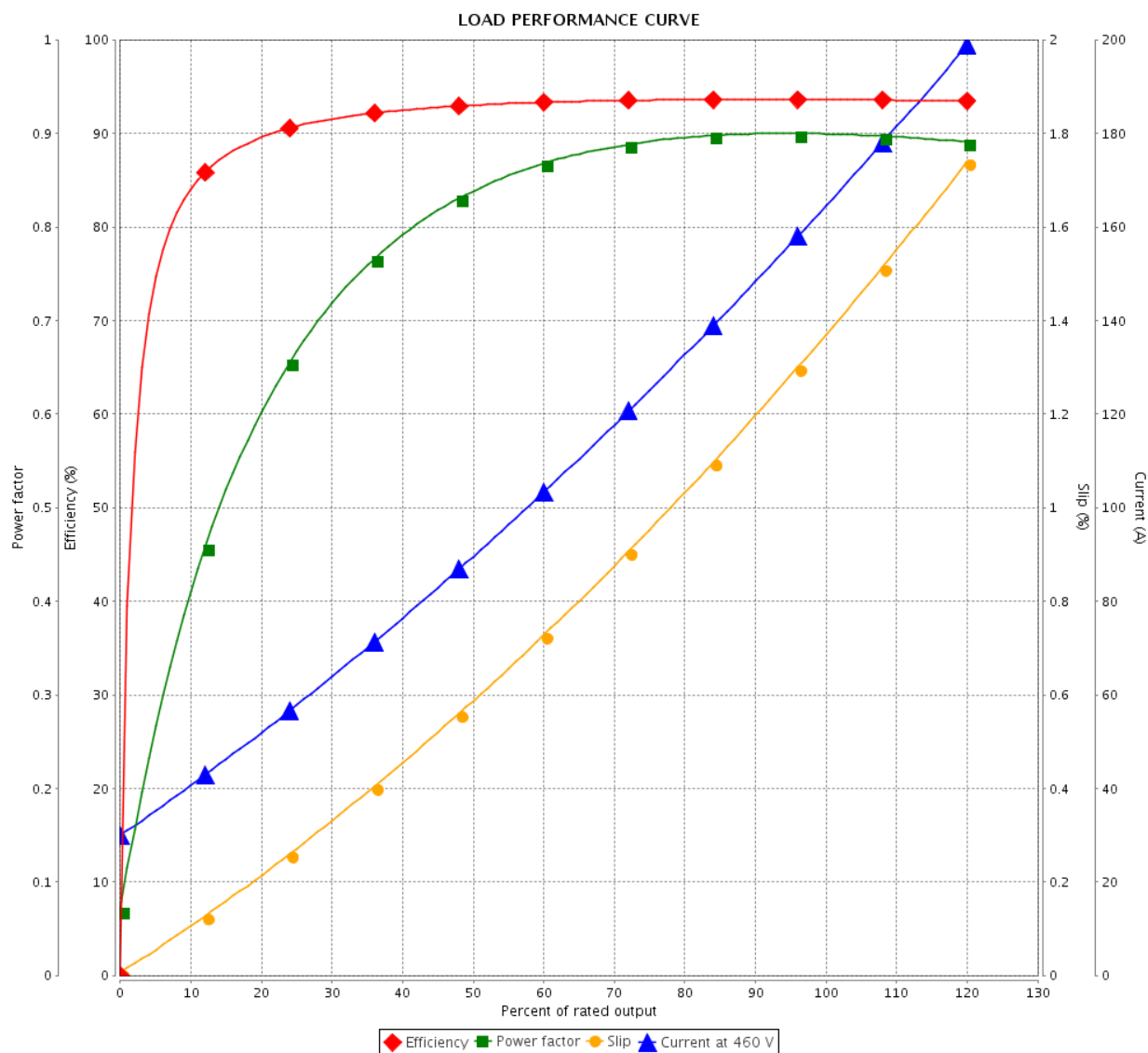
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 15036OP3GFP405TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282851
Catalog # : 15036OP3GFP405TS-W40



Performance : 460 V 60 Hz 2P

Rated current : 164 A	Moment of inertia (J) : 9.20 sq.ft.lb
LRC : 6.6	Duty cycle : Cont.(S1)
Rated torque : 219 ft.lb	Insulation class : F
Locked rotor torque : 170 %	Service factor : 1.15
Breakdown torque : 220 %	Temperature rise : 105 K
Rated speed : 3550 rpm	Design : B

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

