

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Multimounting IE3 Three-Phase	Product code : 14051987 Catalog # : .7518ET3WAL90S/LFF-W			
Frame : 90S/L Insulation class : F Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N	Cooling method : IC411 - TEFC Mounting : B35L(E) Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 38.1 lb Moment of inertia (J) : 0.1163 sq.ft.lb			
Output [HP]	1			
Poles	4			
Frequency [Hz]	50			
Rated voltage [V]	220/380			
Rated current [A]	3.02/1.75			
L. R. Amperes [A]	19.3/11.2			
LRC [A]	6.4			
No load current [A]	1.64/0.950			
Rated speed [RPM]	1445			
Slip [%]	3.67			
Rated torque [ft.lb]	3.63			
Locked rotor torque [%]	210			
Breakdown torque [%]	260			
Service factor	1.25			
Temperature rise	80 K			
Locked rotor time	37s (cold) 0s (hot)			
Noise level <sup>2</sup>	49.0 dB(A)			
Efficiency (%)	25%	81.7		
	50%	82.0		
	75%	82.5		
	100%	82.5		
Power Factor	25%	0.34		
	50%	0.58		
	75%	0.71		
	100%	0.79		
Losses at normative operating points (speed;torque), in percentage of rated output power				
Losses (%)	P1 (0,9;1,0)	19.7		
	P2 (0,5;1,0)	15.6		
	P3 (0,25;1,0)	15.3		
	P4 (0,9;0,5)	12.7		
	P5 (0,5;0,5)	8.6		
	P6 (0,5;0,25)	7.2		
	P7 (0,25;0,25)	5.3		
Bearing type : Drive end 6205 ZZ Non drive end 6204 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM	Foundation loads Max. traction : 74 lb Max. compression : 112 lb			
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.				
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.				
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Notes

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