## DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



	:								
Product line	: W22 NE Phase	EMA Prem	ium Efficiency T	hree- Product co	de: 1347277	2			
	i ildəc			Catalog # :	30018E7	30018ET3G449TC-W22			
Frame		: 447/9TC		Locked rotor time	: 28s (c	old) 16s (hot)			
Output	: 300 HP (220 kW)		Temperature rise	: 80 K					
Poles	: 4		Duty cycle	: Cont.(	: Cont.(S1)				
Frequency	: 60 Hz		Ambient temperate	ure : -20°C	: -20°C to +40°C				
Rated voltage	: 460 V		Altitude	: 1000 r	: 1000 m.a.s.l.				
Rated current	: 330 A		Protection degree	: IP55	: IP55				
L. R. Amperes	: 2145 A		Cooling method	: IC411	: IC411 - TEFC				
LRC		: 6.5x(Coc	le G)	Mounting	: F-1				
No load current		: 105 A	•	Rotation <sup>1</sup>	: Both (	: Both (CW and CCW)			
Rated speed	: 1780 rp		n	Noise level <sup>2</sup>		: 75.0 dB(A)			
Slip		: 1.11 %		Starting method	: Direct	: Direct On Line			
Rated torque		: 885 ft.lb		Approx. weight <sup>3</sup>	: 2863 II	b			
Locked rotor torque		: 250 %							
Breakdown torque		: 250 %							
Insulation class		: F							
Service factor		: 1.15							
Moment of inertia (J	J)	: 89.6 sq.f	t.lb						
Design		: B							
Output 5	50%	75%	100%	Foundation loads					
Efficiency (%)	95.8 95.8	96.2 95.8	96.2 96.0	Max. traction	: 4932 lb				
• , ,	95.8 95.4 96.2 95 0.77 0.78 0.84 0.		96.0 96.2						
Power Factor (				Max. compression	: 7795 lb	: 7795 lb			
(	0.75 0.73	0.83 0.82	0.87 0.86	•					
osses at normative				centage of rated output					
	P1 (0,9;1,0)		4.5	4.8	4.8	4.5			
	P2 (0,5;1,0)		3.3	3.5	3.5	3.3			
	P3 (0,25		2.7	3.0	3.0	2.7			
Losses (%)	P4 (0,9;0,5)		2.5	2.7	2.7	2.5			
	P5 (0,5;		1.5	1.6	1.6	1.5			
	P6 (0,5;0		1.1	1.1	1.1	1.1			
	P7 (0,25;	0,25)	0.6	0.6	0.6	0.6			
			Drive end	Non dr	ive end				
Bearing type	:		6322 C3	631	19 C3				
Sealing	:		WSeal	W	Seal				
Lubrication interval	:		6000 h	80	00 h				
Lubricant amount	:		60 g		5 g				
Lubricant type	:		ľ	Mobil Polyrex EM					

Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	28/03/2024				1/1	