## DATA SHEET



Customer	:							
Product line			41 NEMA Pre	emium Effic	ciency	Product code :	15459792	
	Thr	Three-Phase				Catalog # :	07509ST3HIE444T-W22	
Frame		: 444	/5T		Locked	d rotor time	: 32s (cold	) 18s (hot)
Output	: 75 HP (55 kW)				Temperature rise		: 80 K	
Poles	: 8				Duty cycle		: Cont.(S1)	
Frequency	: 60 Hz				Ambie	nt temperature	: -20°C to -	+40°C
Rated voltage	: 575 V				Altitud	e	: 1000 m.a	.s.l.
Rated current	: 74.7 A				Protec	tion degree	: IP56	
L. R. Amperes	: 478 A				Cooling method		: IC411 - TEFC	
LRC .	: 6.4x(Code H)				Mount		: F-1	
No load current					Rotation <sup>1</sup>		: Both (CW and CCW)	
Rated speed					Noise level <sup>2</sup>		: 63.0 dB(A)	
Slip					Starting method		: Direct On Line	
Rated torque					Approx. weight <sup>3</sup> : 1495 lb			
	Locked rotor torque : 170 %				7 Approx. Weight . 1 100 lb			
Breakdown torqu		: 200						
Insulation class		: F	,,					
Service factor		: 1.2	5					
Moment of inertia	a ( I)		sq.ft.lb					
Design	a (0)	: 75.0	o sq.it.ib					
Design								
Dutput	25%	50%	75%	100%	Foundation loads			
Efficiency (%) 92.9		93.0 93.6		93.6 Max.		ction	: 1612 lb	
Power Factor	0.40 0.64		0.74	0.79	Max. compression		: 3107 lb	
						•		
osses at normat	ive operat	ing points	(speed;torqu	e), in perce	entage of r	ated output power		
P1 (0,9;1,0)	P2 (0,5	:1.0)	P3 (0,25;1,0)	P4 ((	0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25
6.6	5.2				3.3	2.2	1.5	1.0
			Drive 6			Non drive end		
Bearing type			6319			6316 C3	<u>L</u>	
Sealing	•		Inpro/Seal			Inpro/Seal		
•	cation interval :		17000 h			20000 h		
Lubricant amount		: 45 g			34 g			
Lubricant type						obil Polyrex EM		
		•		1410	Jon 1 Oly107	C LIVI		
This revision repl nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v	ed. notor from 1m and wit	the shaft e	end. e of +3dB(A)			are average values upply, subject to th		
manufacturing pro 4) At 100% of ful Rev.	ocess.		anges Summ	nary		Performed	Checked	Date
Performed by								
Checked by							ı	

1/1

26/03/2024

Date