# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage

:

### Customer

<b>F</b>		447/0700	0 ľ				
Frame		: 447/9TSD	Cooling		: IC01 - OD	iμ	
Insulation class		: F		Mounting : F-1			
Duty cycle		: Cont.(S1) : -20°C to +40°C		Rotation <sup>1</sup> : Both (CW and CCW)			
Ambient temperature		: 1000 m.a.s.l.		Starting method : Direct On Line			
Altitude Protection degree		: IP23		Approx. weight³: 939 kgMoment of inertia (J): 1.65 kgm²			
Design	e	: B	women	or mentia (J)	. 1.65 kgm		
Dutput [HP]		400	400	40	00	400	
Poles		2	2		2	2	
requency [Hz]		60	50	5	50	50	
Rated voltage [V]		460	380	4	00	415	
Rated current [A]		443	536	536 512		499	
. R. Amperes [A]		2658	2841	30	21	3194	
RC [A]		6.0x(Code F)	5.3x(Code E			6.4x(Code G)	
No load current [A]	]	100	95.0		08	118	
Rated speed [RPN		3565	2955		60	2965	
Slip [%]	-	0.97	1.50		33	1.17	
Rated torque [kgfn	nl	81.4	98.2		3.1	97.9	
ocked rotor torqu		150	120		30	140	
Breakdown torque		229	120		00	220	
Service factor	[/0]	1.15	1.15		15	1.15	
Temperature rise		80 K	105 K		5 K	80 K	
ocked rotor time		25s (cold) 14s (hot)	21s (cold) 12s (			s (cold) 12s (hot)	
loise level <sup>2</sup>		85.0 dB(A)	213 (0010) 123 (		) 123 (1101) 213		
	25%						
<b>F</b> (C) · (0())	50%	95.0	95.0	95	5.0	95.0	
Efficiency (%)	75%	95.4	95.0		5.0	95.0	
	100%	95.4	94.5		5.0	95.0	
	25%						
	50%	0.83	0.85	0.	83	0.82	
Power Factor	75%	0.88	0.89		88	0.87	
	100%	0.89	0.90		89	0.88	
	1		rive end Foundat	on loads			
Bearing type		: 6314 C3 63	14 C3   Max. trad	tion	: 1414 kgf		
Sealing			ithout Max. cor	npression	: 2354 kgf		
		Bearing Seal Bear	ing Seal				
Lubrication interv	/al	: 14418 h 14	418 h				
Lubricant amoun	t		27 g				
Lubricant type		: Mobil Polyrex E	EM				
Notes			·				
This revision real	and on	and the provinue one wi			based on tests w	ith sinussidal	
		ncel the previous one, wl			based on tests w		
must be eliminate		aboft and		ipply, subject to th	ne tolerances stipu	uiated in NEIMA	
(1) Looking the m			MG-1.				
		olerance of +3dB(A).					
		ct to changes after					
manufacturing pro							
(4) At 100% of ful	1080.				1		
Rev.		Changes Summary	,	Performed	Checked	Date	

Performed by				
Checked by			Page	Revision
Date	19/10/2024		1 / 6	
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ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	1	55 °C
Rev.	Chang	ges Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
				2/6	



# LOAD PERFORMANCE CURVE

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### Customer



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