DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Product line	: W22 Tru-Metric IE4 Three-Phase		Product code Catalog # :		17300658 13218EG3Y315S/M-W2		
Frame	: 315S/M		Locked rotor time		: 61s (cold) 34s (hot)		
Output	: 175 HP (132 kW)		Temperature rise	: 80 K	: 80 K		
Poles	: 4		Duty cycle	: S1	: S1		
Frequency	: 50 Hz		Ambient temperatur	e : -20°C	: -20°C to +40°C		
Rated voltage	: 380 V		Altitude		: 1000 m.a.s.l.		
Rated current	: 245 A		Protection degree		: IP55		
L. R. Amperes	: 1715 A		Cooling method		: IC411 - TEFC		
LRC	: 7.0		Mounting		: B3L(E)		
No load current	: 86.0 A		Rotation ¹ : Both (CW and C				
Rated speed	: 1487 rpm		Noise level ² : 71.0 dB(A)				
Slip	: 0.87 %		Starting method		: Direct On Line		
Rated torque	: 618 ft.lb		Approx. weight ³ : 216				
Locked rotor torque		,	Approx. weight	. 2101	ID .		
Breakdown torque	: 260 %						
Insulation class	: F						
Service factor	: 1.00						
Moment of inertia (ft lb					
Design	: NE	.it.iD					
<u> </u>		75% 100%	Foundation loads				
7 ()		96.2 96.1 96.4 96.4	Max. traction	: 2863 lb			
		95.9 96.2 96.4 96.5					
	0.000						
	0.000						
	0.00 0.00 0.72 0.68 (•	: 5024 lb			
	0.00 0.00 0.64 0.66 (
_osses at normative			entage of rated output po		2.0		
	P1 (0,9;1,0)	3.9	3.9	3.9	3.8		
	P2 (0,5;1,0)	3.0	3.0	3.0	2.9		
(0/)	P3 (0,25;1,0)	2.6	2.6	2.6	2.5		
Losses (%)	P4 (0,9;0,5)	2.2	2.2	2.2	2.1		
	P5 (0,5;0,5)	1.4	1.4	1.4	1.4		
	P6 (0,5;0,25)	1.0	1.0	1.0	1.0		
	P7 (0,25;0,25)	0.6	0.6	0.6	0.6		
		Drive end	Non drive	<u>e end</u>			
Bearing type	:	6319 C3	6316	C3			
Sealing	:	WSeal	WSeal				
Lubrication interval	:	8000 h	10000 h				
Lubricant amount	:	45 g	34	g			
Lubricant type	:	Mo	obil Polyrex EM				
Notes:							
Notes:	<u> </u>	ivic	DIT GIFTEX LIVI				
This revision reals	es and cancel the pre	vious one which	These are average va	pluon boood on to	to with sinceside		

- (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.

MG-1.

Rev.	Changes Summary			Performed	Checked	Date
Performed by			,			
Checked by					Page	Revision
Date	26/03/2024				1/1	