

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12430396

Catalog # : E31518XP3YAX355MLF3W

Area classification : ZONA 1, GRUPO IIB, T4 (135 °C)

Frame	: 355M/L	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 315 kW (430 HP)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380/660 V	Altitude	: 1000 m.a.s.l.
Rated current	: 575/331 A	Protection degree	: IP56
L. R. Amperes	: 4140/2384 A	Cooling method	: IC411 - TEFC
LRC	: 7.2	Mounting	: B3T
No load current	: 184/106 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1490 rpm	Noise level ²	: 76.0 dB(A)
Slip	: 0.67 %	Starting method	: Direct On Line
Rated torque	: 1490 ft.lb	Approx. weight ³	: 4571 lb
Locked rotor torque	: 210 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 212 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	95.5	95.4	95.6	95.5	95.7	95.8	95.7	95.8	Max. traction	: 4158 lb
	95.1	94.6	95.3	95.0	95.7	95.4	95.8	95.8		
Power Factor	0.51	0.48	0.77	0.74	0.84	0.82	0.87	0.86	Max. compression	: 8729 lb
	0.45	0.45	0.71	0.70	0.80	0.81	0.85	0.86		

				<u>Drive end</u>		<u>Non drive end</u>
Bearing type	:			6322 C3		6319 C3
Sealing	:			Viton Oil Seal		Viton Oil Seal
Lubrication interval	:			9000 h		11000 h
Lubricant amount	:			60 g		45 g
Lubricant type	:			Mobil Polyrex EM		

Notes:

ATEX
 INERIS 16ATEX0036X
 CML 21UKEX1315X
 II 2G Ex db IIB T4 Gb
 EAC
 EA3C RU C-BR.AA87.B.00379/20
 1Ex db IIB T4 Gb X
 ООО «НАННО ЛСВЭ»
 IECEX
 IECEX INE 16.0044X
 Ex db IIB T4 Gb

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.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	27/03/2024			
			Page	Revision
			1 / 2	

Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

Space heater information

Voltage: 200 - 240 V

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date	27/03/2024				