

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 12432002

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

Catalog # : E20018XP3YAX355MLF3W

Frame : 355M/L
Output : 200 kW (270 HP)
Poles : 4
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 370/213 A
L. R. Amperes : 2331/1342 A
LRC : 6.3
No load current : 95.0/54.7 A
Rated speed : 1490 rpm
Slip : 0.67 %
Rated torque : 946 ft.lb
Locked rotor torque : 170 %
Breakdown torque : 180 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 141 sq.ft.lb
Design : N

Locked rotor time : 32s (cold) 18s (hot)
Temperature rise : 80 K
Duty cycle : S1
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP56
Cooling method : IC411 - TEFC
Mounting : B3T
Rotation¹ : Both (CW and CCW)
Noise level² : 76.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 4449 lb

Output	25%		50%		75%		100%	
Efficiency (%)	95.2	94.7	95.3	94.9	95.5	95.5	95.5	95.6
	94.4		94.5		95.4		95.4	
Power Factor	0.55	0.48	0.78	0.71	0.83	0.79	0.86	0.84
	0.48		0.70		0.81		0.85	

Foundation loads
Max. traction : 1237 lb
Max. compression : 5686 lb

	Drive end	Non drive end
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
EAЭC 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		Page 1 / 2 Revision		
Checked by				
Date	27/03/2024			

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				