

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xec IE2 Three-Phase

Product code : 14352814

Area classification : ZONA 2/22, GRUPO IIC/IIIB, T3(200 °C)/
T125 °C

Catalog # : E20018EP3YAX355MLF3W

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 : 110/63.3 A
Rated speed : 1490 rpm
Slip : 0.67 %
Rated torque : 946 ft.lb
Locked rotor torque : 165 %
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 : IP55
Cooling method : IC411 - TEFC
Mounting : B3T
Rotation¹ : Both (CW and CCW)
Noise level² : 76.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 3097 lb

Output	25%		50%		75%		100%	
Efficiency (%)	95.2	95.0	95.3	95.1	95.5	95.6	95.5	95.6
	94.7	94.4	94.9	94.5	95.5	95.4	95.6	95.4
Power Factor	0.53	0.49	0.78	0.74	0.83	0.81	0.86	0.85
	0.45	0.46	0.71	0.70	0.79	0.81	0.84	0.85

Foundation loads
Max. traction : 1913 lb
Max. compression : 5010 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	4.7	4.6	4.6	4.8
	P2 (0,5;1,0)	3.4	3.4	3.4	3.5
	P3 (0,25;1,0)	2.9	2.8	2.8	2.9
	P4 (0,9;0,5)	2.7	2.6	2.6	2.7
	P5 (0,5;0,5)	1.6	1.5	1.5	1.6
	P6 (0,5;0,25)	1.1	1.1	1.1	1.2
	P7 (0,25;0,25)	0.6	0.6	0.6	0.6

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

Notes:

EAC
TC RU C-BR.AA87.B.00977/22
2Ex ec IIC T3 Gc X
Ex tc IIIB T125°C Dc X
ООО «НАИО ЛСБЭ»
IECEX
IECEX BAS 10.0099X
Ex ec IIC T3 Gc
Ex tc IIIB T125°C Dc

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	140 °C
2	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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