

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xec IE2 Three-Phase

Product code :

12381629

Catalog # :

E00718EP3YAX132MF3-W

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

Frame : 132M
Output : 7.5 kW (10 HP)
Poles : 4
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 14.8/8.52 A
L. R. Amperes : 107/61.4 A
LRC : 7.2
No load current : 6.40/3.68 A
Rated speed : 1460 rpm
Slip : 2.67 %
Rated torque : 36.2 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 1.25 sq.ft.lb
Design : N

Locked rotor time : 10s (cold) 6s (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 : 56.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 173 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.2	87.8	88.4	88.0	88.7	88.7	88.7	88.7
	87.4	88.2	87.7	88.5	89.0	90.2	89.0	90.2
Power Factor	0.45	0.39	0.73	0.66	0.83	0.79	0.87	0.84
	0.35	0.37	0.61	0.63	0.75	0.76	0.81	0.83

Foundation loads
Max. traction : 503 lb
Max. compression : 675 lb

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

Losses (%)	P1 (0,9;1,0)	12.8	12.8	12.4	10.9
	P2 (0,5;1,0)	11.8	11.8	11.4	10.0
	P3 (0,25;1,0)	11.1	11.1	10.7	9.4
	P4 (0,9;0,5)	5.9	5.9	5.7	5.0
	P5 (0,5;0,5)	4.4	4.4	4.3	3.8
	P6 (0,5;0,25)	2.9	2.9	2.8	2.5
	P7 (0,25;0,25)	2.1	2.1	2.1	1.8

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type :		6308 ZZ	6207 ZZ
Sealing :		V'Ring	V'Ring
Lubrication interval :		-	-
Lubricant amount :		-	-
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
OOO «НАИО ЛЦБЭ»
IECEX
IECEX BAS 10.0099X
Ex ec IIC T3 Gc
Ex tc IIIB T125°C Dc

Rev.	Changes Summary	Performed	Checked	Date
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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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