

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xec IE2 Three-Phase

Product code : 12329494

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

Catalog # : E00736EP3YAX132SF3-W

Frame : 132S
Output : 7.5 kW (10 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 14.5/8.35 A
L. R. Amperes : 94.2/54.3 A
LRC : 6.5
No load current : 4.80/2.76 A
Rated speed : 2925 rpm
Slip : 2.50 %
Rated torque : 18.1 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.5956 sq.ft.lb
Design : N

Locked rotor time : 14s (cold) 8s (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 : 67.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 152 lb

Output	25%	50%	75%	100%
Efficiency (%)	87.2	86.8	87.5	87.0
	85.3	86.4	88.5	89.5
Power Factor	0.51	0.41	0.77	0.67
	0.44	0.70	0.81	0.86

Foundation loads
Max. traction : 252 lb
Max. compression : 404 lb

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

Losses (%)	P1 (0,9;1,0)	13.0	12.8	11.3
	P2 (0,5;1,0)	11.0	10.8	9.5
	P3 (0,25;1,0)	10.3	10.1	9.0
	P4 (0,9;0,5)	6.3	6.2	5.5
	P5 (0,5;0,5)	4.1	4.0	3.6
	P6 (0,5;0,25)	2.7	2.6	2.3
	P7 (0,25;0,25)	1.8	1.7	1.5

		<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:

ATEX
Baseefa 10ATEX0192X
II 3G Ex ec IIC T3 Gc
II 3D Ex tc IIIB T125°C Dc
EAC
TC RU C-BR.AA87.B.00977/22
2Ex ec IIC T3 Gc X
Ex tc IIIB T125°C Dc X
OOO «НАННО ЦСВЭ»
IECEX
IECEX BAS 10.0099X
Ex ec IIC T3 Gc

Rev.	Changes Summary	Performed	Checked	Date
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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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