

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xec IE3 Three-Phase

Product code : 12861352

Catalog # : E00718ET3YAX132MF3-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 : 14.8/8.54 A
L. R. Amperes : 123/70.9 A
LRC : 8.3
No load current : 6.80/3.92 A
Rated speed : 1460 rpm
Slip : 2.67 %
Rated torque : 36.2 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 310 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 1.34 sq.ft.lb
Design : N

Locked rotor time : 18s (cold) 10s (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 : 170 lb

Output	50%	75%	100%
Efficiency (%)	90.0 89.0	90.2 90.4	90.4 90.4
	88.5 90.1	90.3 91.2	90.4 91.7
Power Factor	0.66 0.63	0.79 0.76	0.85 0.82
	0.59 0.62	0.72 0.74	0.79 0.81

Foundation loads
Max. traction : 590 lb
Max. compression : 758 lb

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

Losses (%)	P1 (0,9;1,0)	10.6	10.6	10.6	9.0
	P2 (0,5;1,0)	9.6	9.6	9.6	8.2
	P3 (0,25;1,0)	9.3	9.3	9.3	7.9
	P4 (0,9;0,5)	5.0	5.0	5.0	4.2
	P5 (0,5;0,5)	3.8	3.8	3.8	3.2
	P6 (0,5;0,25)	2.5	2.5	2.5	2.1
	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:

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
ООО «НАИО ЛСБЭ»
IECEX
IECEX BAS 10.0099X

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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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