

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xec IE2 Three-Phase

Product code : 12381519

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

Catalog # : E00536EP3YAX132SF3-W

Frame : 132S
Output : 5.5 kW (7.5 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 10.8/6.22 A
L. R. Amperes : 73.4/42.3 A
LRC : 6.8
No load current : 3.85/2.22 A
Rated speed : 2925 rpm
Slip : 2.50 %
Rated torque : 13.3 ft.lb
Locked rotor torque : 190 %
Breakdown torque : 270 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.4680 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 : 67.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 136 lb

Output	50%	75%	100%
Efficiency (%)	87.0 86.5	87.6 88.0	87.6 88.0
	85.6 84.5	87.6 87.5	88.0 88.5
Power Factor	0.74 0.68	0.83 0.79	0.88 0.85
	0.63 0.66	0.76 0.78	0.83 0.84

Foundation loads
Max. traction : 148 lb
Max. compression : 283 lb

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

Losses (%)	P1 (0,9;1,0)	13.8	13.3	13.3	12.7
	P2 (0,5;1,0)	11.8	11.3	11.3	10.8
	P3 (0,25;1,0)	10.6	10.2	10.2	9.7
	P4 (0,9;0,5)	6.7	6.5	6.5	6.2
	P5 (0,5;0,5)	4.3	4.1	4.1	4.0
	P6 (0,5;0,25)	2.8	2.7	2.7	2.5
	P7 (0,25;0,25)	1.8	1.8	1.8	1.7

		<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
ООО «НАННО 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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