

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xec IE2 Three-Phase

Product code : 12187081

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

Catalog # : E0.2536EP3WAX63F3-W2

Frame : 63
Output : 0.25 kW (0.33 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 220/380 V
Rated current : 1.20/0.696 A
L. R. Amperes : 5.05/2.92 A
LRC : 4.2
No load current : 0.777/0.450 A
Rated speed : 2750 rpm
Slip : 8.33 %
Rated torque : 0.641 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 200 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.0038 sq.ft.lb
Design : N

Locked rotor time : 19s (cold) 11s (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 : 52.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 19.9 lb

Output	25%		50%		75%		100%	
Efficiency (%)	59.0	56.0	60.3	58.0	64.1	63.0	65.0	65.0
	53.3	53.8	55.9	57.5	61.7	63.0	64.8	68.0
Power Factor	0.36	0.32	0.63	0.57	0.76	0.70	0.84	0.80
	0.30	0.32	0.53	0.56	0.66	0.67	0.76	0.76

Foundation loads
Max. traction : 8 lb
Max. compression : 28 lb

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

Losses (%)	P1 (0,9;1,0)	68.0	68.0	68.6	59.5
	P2 (0,5;1,0)	66.2	66.2	66.8	57.8
	P3 (0,25;1,0)	61.2	61.2	61.7	53.4
	P4 (0,9;0,5)	37.9	37.9	38.3	33.1
	P5 (0,5;0,5)	26.9	26.9	27.2	23.5
	P6 (0,5;0,25)	21.2	21.2	21.4	18.6
	P7 (0,25;0,25)	14.4	14.4	14.5	12.6

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6201 ZZ	6201 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:

ATEX
Baseefa 10ATEX0192X
BAS21UKEX0284X
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 «НАННО 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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