

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE3 Three-Phase

Product code : 12430916

Area classification : ZONA 1, GRUPO IIB, T4 (135 °C)

Catalog # : E00736XT3YAX132SF3-W

Frame : 132S/M
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 : 116/66.8 A
LRC : 8.0
No load current : 5.70/3.28 A
Rated speed : 2940 rpm
Slip : 2.00 %
Rated torque : 18.0 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 330 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.5548 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 : IP56
Cooling method : IC411 - TEFC
Mounting : B3T
Rotation¹ : Both (CW and CCW)
Noise level² : 63.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 246 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.4	87.3	88.7	88.0	90.1	89.8	90.1	90.3
	86.8	85.9	87.6	86.9	89.7	89.3	90.3	90.2
Power Factor	0.47	0.42	0.73	0.68	0.83	0.80	0.87	0.85
	0.38	0.41	0.63	0.67	0.76	0.78	0.83	0.84

Foundation loads
Max. traction : 245 lb
Max. compression : 493 lb

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

Losses (%)	P1 (0,9;1,0)	10.6	10.4	10.4	10.5
	P2 (0,5;1,0)	8.7	8.5	8.5	8.6
	P3 (0,25;1,0)	7.9	7.7	7.7	7.8
	P4 (0,9;0,5)	5.7	5.5	5.5	5.6
	P5 (0,5;0,5)	3.6	3.6	3.6	3.6
	P6 (0,5;0,25)	2.5	2.5	2.5	2.5
	P7 (0,25;0,25)	1.7	1.6	1.6	1.7

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6207 ZZ
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:

ATEX
INERIS 22ATEX0025X
CML 23UKEX1256X
II 2G Ex db IIB T4 Gb
EAC
EAЭC RU C-BR.AA87.B.00379/20
1Ex db IIB T4 Gb X
ООО «НАННО ЦСВЭ»
IECEX
IECEX INE 22.0044X
Ex db IIB T4 Gb

Rev.	Changes Summary	Performed	Checked	Date
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Checked by				
Date	27/03/2024			

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

Space heater information

Voltage: 200 - 240 V

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