

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE3 Three-Phase

Product code : 12383756

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

Catalog # : E03036XT3YAX200LF3-W

Frame : 200M/L
Output : 30 kW (40 HP)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 56.2/32.4 A
L. R. Amperes : 405/233 A
LRC : 7.2
No load current : 17.0/9.79 A
Rated speed : 2965 rpm
Slip : 1.17 %
Rated torque : 71.3 ft.lb
Locked rotor torque : 300 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 4.04 sq.ft.lb
Design : N

Locked rotor time : 28s (cold) 16s (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 : 72.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 769 lb

Output	25%		50%		75%		100%	
Efficiency (%)	92.4	92.0	92.6	92.2	93.2	93.2	93.3	93.3
	91.4	90.2	91.8	90.8	93.0	92.6	93.3	93.0
Power Factor	0.51	0.46	0.75	0.69	0.83	0.80	0.87	0.85
	0.42	0.45	0.64	0.69	0.77	0.79	0.83	0.84

Foundation loads
Max. traction : 449 lb
Max. compression : 1227 lb

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

Losses (%)	P1 (0,9;1,0)	6.8	6.8	6.8	7.1
	P2 (0,5;1,0)	5.4	5.4	5.4	5.6
	P3 (0,25;1,0)	5.2	5.2	5.2	5.4
	P4 (0,9;0,5)	3.6	3.6	3.6	3.7
	P5 (0,5;0,5)	2.2	2.2	2.2	2.3
	P6 (0,5;0,25)	1.5	1.5	1.5	1.5
	P7 (0,25;0,25)	0.9	0.9	0.9	1.0

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6312 C3	6212 C3
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	15000 h	18000 h
Lubricant amount	:	21 g	13 g
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 ЛСВЭ»
IECEX
IECEX INE 22.0044X
Ex db IIB T4 Gb

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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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