

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE3 Three-Phase

Product code : 12383786

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

Catalog # : E0.7518XT3WAX80F3-W2

Frame : 80
Output : 0.75 kW (1 HP)
Poles : 4
Frequency : 50 Hz
Rated voltage : 220/380 V
Rated current : 2.90/1.68 A
L. R. Amperes : 19.4/11.3 A
LRC : 6.7
No load current : 1.73/1.00 A
Rated speed : 1430 rpm
Slip : 4.67 %
Rated torque : 3.70 ft.lb
Locked rotor torque : 310 %
Breakdown torque : 320 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.0762 sq.ft.lb
Design : N

Locked rotor time : 32s (cold) 18s (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 : 44.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 63.7 lb

Output	25%		50%		75%		100%	
Efficiency (%)	77.7	76.3	79.0	78.0	81.5	81.0	82.5	82.5
	75.3	75.1	77.0	78.5	81.0	80.0	82.5	84.0
Power Factor	0.34	0.31	0.59	0.54	0.73	0.68	0.82	0.78
	0.28	0.31	0.50	0.55	0.65	0.68	0.76	0.76

Foundation loads
Max. traction : 95 lb
Max. compression : 158 lb

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

Losses (%)	P1 (0,9;1,0)	20.6	20.6	20.6	18.5
	P2 (0,5;1,0)	18.1	18.1	18.1	16.3
	P3 (0,25;1,0)	17.4	17.4	17.4	15.6
	P4 (0,9;0,5)	11.1	11.1	11.1	10.0
	P5 (0,5;0,5)	7.8	7.8	7.8	7.0
	P6 (0,5;0,25)	5.8	5.8	5.8	5.2
	P7 (0,25;0,25)	4.1	4.1	4.1	3.7

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6203 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

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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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