

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE3 Three-Phase

Product code : 12431030

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

Catalog # : E00518XT3YAX132SF3-W

Frame : 132S/M
Output : 5.5 kW (7.5 HP)
Poles : 4
Frequency : 50 Hz
Rated voltage : 380/660 V
Rated current : 10.8/6.22 A
L. R. Amperes : 81.0/46.6 A
LRC : 7.5
No load current : 4.50/2.59 A
Rated speed : 1465 rpm
Slip : 2.33 %
Rated torque : 26.5 ft.lb
Locked rotor torque : 190 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 1.07 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 : 56.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 247 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.8	88.7	89.0	89.0	89.6	89.6	89.6	89.7
	88.4	88.7	88.8	89.5	89.6	91.0	89.8	91.7
Power Factor	0.44	0.40	0.71	0.66	0.81	0.78	0.86	0.84
	0.38	0.39	0.63	0.65	0.75	0.76	0.82	0.82

Foundation loads
Max. traction : 357 lb
Max. compression : 603 lb

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

Losses (%)	P1 (0,9;1,0)	11.7	11.6	11.5	9.1
	P2 (0,5;1,0)	10.8	10.7	10.5	8.4
	P3 (0,25;1,0)	9.9	9.8	9.7	7.7
	P4 (0,9;0,5)	5.4	5.3	5.3	4.2
	P5 (0,5;0,5)	4.1	4.0	4.0	3.2
	P6 (0,5;0,25)	2.6	2.6	2.6	2.1
	P7 (0,25;0,25)	2.0	2.0	1.9	1.5

		<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 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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