

4、 Motor Data sheets- Automatic Cleaning Filter

1. Name of motor	-	Motor Of Automatic Cleaning Filter
2. Manufacturer	-	ABB
3. Country of origin	-	China
4. Type/machine code	-	M2BAX 3GBA072320-BSCCN
5. Applied standard (characteristics)	-	IEC
6. Ratings		
(1) Rated output	kW	0.37
(2) Service factor	-	1.0
(3) Number of pole	-	4P
(4) Rated speed	rpm	1407
(5) Rated voltage	V	380
(6) Number of phases		3
(7) Rated frequency	Hz	50
(8) Insulation class	-	F
(9) Temperature rise	-	B
(10) Rated duty		S1
7. Service Conditions		
(1) Starting method	-	DOL
(2) Direction of rotation (viewed from DE)	-	C.W.
(3) Reverse rotation (Yes / No)	-	NO
(4) Location (Indoor / Outdoor)		Indoor
(5) Enclosure IP rating	-	
(a) Motor frame	-	IP55
(b) Terminal boxes	-	IP55
(6) Installation (Horizontal / Vertical)	°C	Horizontal
(7) Design ambient temperature	-	40
(8) Explosion proof (Required / Not required)		No
(9) Noise level (at full-load condition)	dB (A)	46
8. Characteristics		
(1) Current		
(a) Normal current	A	1.04
(b) No-load current	A	0.85

(c) Starting current	A	4.4
(2) Torque	Nm	2
(a) Starting torque	Nm	2.12
(b) Maximum torque	Nm	2.7
(3) Slip at rated output	%	-
(4) Efficiencies		
(a) At 100% load	%	72.7
(b) At 75% load	%	71.2
(c) At 50% load	%	64.9
(d) At 25% load	%	-
(5) Power factor		
(a) At rated load	%	76
(b) At starting load	%	79.7
(6) GD2 coupled with driven equipment	kg-m2	0.00076
(7) Starting time with driven equipment	s	
(8) Allowable number of starts		
(a) From cold condition per hour	-	3
(b) From hot condition per hour	-	2
(c) Minimum time between 2 starts (running state)	min	12
(d) Minimum time between 2 starts (stop state)	min	42
(9) Allowable locked-rotor time		
(a) At cold condition	s	-
(b) At hot condition	s	-
9. Constructions		
(1) Stator winding connection (Wye / Delta)		Wye
(2) Type of bearing (DE / NDE)	-	6203-2Z/C3 6202-2Z/C3
(3) Lubricants	-	-
(a) Recommended lubricant and brand name	-	-
(b) Pouring method	-	-
(c) Quantity of lubricant for initial filling	-	-
(d) Recommended interval for recharging	-	-
(e) Recharging quantity	-	-
(f) Location of pouring	-	-
(indicated in the outline drawing)	-	-
(4) Bearing cooling water requirement (if required)		NO
(a) Quantity	-	-
(b) Inlet water temperature	-	-
(c) Required cooling water pressure	-	-
(d) Type of cooling water	-	-
(5) Water to air heat exchanger (if applied)		NO

(a) Quantity of cooling water		-
(b) Inlet water temperature	h	-
(c) Required cooling water pressure	g	-
(d) Type of cooling water		
(6) Space heater (AC 220V 1 phase)	W	
(7) Weight	kg	10
10. Attached document numbers		
(1) Motor outline drawing	-	-
(2) Terminal box drawings	-	-
(a) For main power	-	-
(b) For instruments	-	-
(c) For space heater	-	-
(3) Current transformers (for MV motors only)		
(a) Characteristics curves	-	-
(b) Outline drawing	-	-
(4) Efficiency curves	-	-
(5) Thermal capability curves		
(a) At cold condition	-	-
(b) At hot condition	-	-
(6) Starting and speed torque characteristics at 80%, 90% and 100% voltage	-	-