06 AUTO SELF-CLEANING STRAINER A~D MOTORS

(1) MOTOR DATA SHEET

1. Name of motor	-	Auto self-cleaning strainer A~D motors
2. Manufacturer	-	SITI
3. Country of origin	-	ITALY
4. Type/machine code	-	FC71C4
5. Applied standard (characteristics)	-	IEC
6. Ratings		
(1) Rated output	kW	0.55
(2) Service factor	-	1
(3) Number of pole	-	4
(4) Rated speed	min^{-1}	1380
(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	-	Directly
(2) Direction of rotation (viewed from DE)	-	CW
(3) Reverse rotation (Yes / No)	-	NO
(4) Location (Indoor / Outdoor)		Indoor
(5) Enclosure IP rating	-	
(a) Motor frame	-	IP56
(b) Terminal boxes	-	IP56
(6) Installation (Horizontal / Vertical)		Vertical

(7) Design ambient temperature	ºC	-20～40
(8) Explosion proof (Required / Not required)		Not required
(9) Noise level (at full-load condition)	dB (A)	80
8. Characteristics		
(1) Current		
(a) Normal current	A	1.6
(b) No-load current	A	
(c) Starting current	A	11
(2) Torque		
(a) Starting torque	%	75
(b) Maximum torque	%	200
(3) Slip at rated output		N/A
(4) Efficiencies		
(a) At 100% load	%	67
(b) At 75% load	%	65
(c) At 50% load	%	63
(d) At 25% load	%	60
(5) Power factor		
(a) At rated load	%	75
(b) At starting load	%	25
(6) GD2 coupled with driven equipment	kg-m²	0.0018
(7) Starting time with driven equipment	s	1
(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	60
(d) Minimum time between 2 starts (stop state)	min	5
(9) Allowable locked-rotor time	S	
(a) At cold condition	S	

(b) At hot condition		
9. Constructions		
(1) Stator winding connection (Wye / Delta)	-	Wye
(2) Type of bearing (DE / NDE)	-	
(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	m^3/h	N/A
(b) Inlet water temperature	°C	N/A
(c) Required cooling water pressure	kPa	N/A
(d) Type of cooling water	-	N/A
(5) Water to air heat exchanger (if applied)		NO
(a) Quantity of cooling water	m^3/h	N/A
(b) Inlet water temperature	°C	N/A
(c) Required cooling water pressure	kPa	N/A
(d) Type of cooling water	-	N/A
(6) Space heater (AC 220V 1 phase)	W	N/A
(7) Weight	kg	8.1
10. Attached document numbers		
(1) Motor outline drawing	-	N/A
(2) Terminal box drawings	-	N/A
(a) For main power	-	N/A

(b) For instruments	-	N/A
(c) For space heater	-	N/A
(3) Current transformers (for MV motors only)		N/A
(a) Characteristics curves	-	N/A
(b) Outline drawing	-	N/A
(4) Efficiency curves	-	N/A
(5) Thermal capability curves		N/A
(a) At cold condition	-	N/A
(b) At hot condition	-	N/A
(6) Starting and speed torque characteristics at 80%, 90% and 100% voltage	-	N/A