## **05 SLURRY PUMP MOTOR DATA SHEET**

1. Name of motor	-	Slurry pump motor
2. Manufacturer	-	ABB
3. Country of origin	-	CHINA
4. Type/machine code	-	3GBA 162 420-ADC M2BAX 160MLB 4
5. Applied standard (characteristics)	-	IEC
6. Ratings		
(1) Rated output	kW	15
(2) Service factor	-	1.0
(3) Number of pole	-	4
(4) Rated speed	R.min-1	1463
(5) Rated voltage	V	380
(6) Number of phases	-	3
(7) Rated frequency	Hz	50
(8) Insulation class	_	F
(9) Temperature rise	-	В
(10) Rated duty		S1
7. Service Conditions	-	
(1) Starting method	-	Directly
(2) Direction of rotation (viewed from DE)	-	CW or CCW
(3) Reverse rotation (Yes / No)	-	No
(4) Location (Indoor / Outdoor)		Outdoor
(5) Enclosure IP rating	-	
(a) Motor frame	-	IP55
(b) Terminal boxes	-	IP55
(6) Installation (Horizontal / Vertical)		Horizontal
(7) Design ambient temperature	۰C	-20 ~ 40
(8) Explosion proof (Required / Not required)		Not required
(9) Noise level (at full-load condition)	dB (A)	66
8. Characteristics		

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(1) Current		
(a) Normal current	A	30.3
(b) No-load current	A	12.6
(c) Starting current	A	224.22
(2) Torque		
(a) Starting torque	%	2.9
(b) Maximum torque	%	3.3
(3) Slip at rated output		
(4) Efficiencies		
(a) At 100% load	%	90.6
(b) At 75% load	%	91
(c) At 50% load50%	%	90.9
(d) At 25% load	%	
(5) Power factor		
(a) At rated load	%	83
(b) At starting load	%	37
(6) GD2 coupled with driven equipment	kg-m²	0.0999555
(7) Starting time with driven equipment	s	
(8) Allowable number of starts	-	
(a) From cold condition per hour	-	
(b) From hot condition per hour	-	
(c) Minimum time between 2 starts (running state)	min	
(d) Minimum time between 2 starts (stop state)	min	
(9) Allowable locked-rotor time		
(a) At cold condition	S	27
(b) At hot condition	S	15
9. Constructions		
(1) Stator winding connection (Wye / Delta)	-	
(2) Type of bearing (DE / NDE)	-	6209-2Z/C3 - 6209-2Z/C3
(3) Lubricants		

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-	
-	
-	
-	
-	
-	
	NA
m³/h	NA
۰C	
kPa	
-	
m³/h	NA
°C	NA
kPa	NA
-	NA
W	NA
kg	125
-	NA
	NA
-	NA
-	NA
-	NA
	°C  kPa  -  m³/h  °C  kPa  -  W

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(5) Thermal capability curves		NA
(a) At cold condition	-	NA
(b) At hot condition	-	NA
(6) Starting and speed torque characteristics at 80%, 90% and 100% voltage	-	NA

