## **SECTION**

## Motor Information for Gravity Filter Backwash Blower A/B

00GNB62AN101 00GNB63AN101



BOUSTEAD SALCON WATER SOLUTIONS PTE LTD

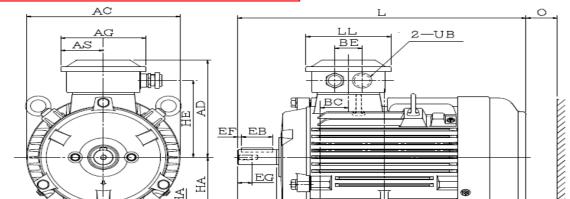
## **Motor Data sheets**

_	WIOLOI Data Silet		
1.	Name of motor	-	GRAVITY FILTER
			BACKWASH BLOWER
			MOTOR
2.	Manufacturer	-	TECO
3.	Country of origin	-	MALAYSIA
	Turnelmanhimanada		COLUBBEL CACE
4.	Type/machine code	-	SQUIRREL CAGE
			INDUCTION MOTOR
_	Analisal atom dayal (shows atomistics)		AESV2S
5.	Applied standard (characteristics)	-	IEC 60034-1
6.	Ratings		
	(1) Rated output	kW	4kW
	(2) Service factor	-	SF 1.0
	(3) Number of pole	-	4 POLES
	(4) Rated speed	min <sup>-1</sup>	1450 RPM
	(5) Rated voltage	V	380V
	(6) Number of phases	-	3 PHASE
	(7) Rated frequency	Hz	50HZ
	(8) Insulation class	-	CLASS F
	(9) Temperature rise	-	CLASS B
	(10) Rated duty	-	S1
7.	Service Conditions		
′ ·			DOL
	<ul><li>(1) Starting method</li><li>(2) Direction of rotation (viewed from DE)</li></ul>	-	CW
	(3) Reverse rotation (Yes / No)	_	NO
	(4) Location (Indoor / Outdoor)	_	INDOOR
	(5) Enclosure IP rating	_	IP55
	(a) Motor frame	_	IP55
	(b) Terminal boxes	_	IP55
	(6) Installation (Horizontal / Vertical)	_	HORIZONTAL
	(7) Design ambient temperature	°C	-15 ~ 40 degC
	(8) Explosion proof (Required / Not required)	_	NOT REQUIRED
	(9) Noise level (at full-load condition)	dB (A)	72 dBA
8.	Characteristics		
	(1) Current		
	(a) Normal current	Α	8.26
•		1	•

Т	(b) No-load current	Α								
	(c) Starting current	A	53.69							
	(o) otaliting carrent	,,	00.00							
	(2) Torque									
	(a) Starting torque	%	220							
	(b) Maximum torque	%	300							
	(3) Slip at rated output	70								
	(4) Efficiencies									
	(a) At 100% load	%	86.6							
	(b) At 75% load	%	87.6							
	(c) At 50% load	%	87.5							
	(d) At 25% load	%								
	(5) Power factor	,,								
	(a) At rated load	%	85%							
	(b) At starting load	%	75%							
	(6) GD2 coupled with driven equipment	kg-m²	0.083							
	(7) Starting time with driven equipment	s	1 Second (D.O.L)							
	(8) Consecutive 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								
	(d) Minimum time between 2 starts (stop state)	min								
	(9) Allowable locked-rotor time									
	(a) At cold condition	s	15 SEC							
	(b) At hot condition	S	6 SEC							
9.	Constructions									
	(1) Stator winding connection (Wye / Delta)	-	DELTA							
	(2) Type of bearing (DE / NDE)	-	6206ZZC3 / 6206ZZC3							
	(3) Lubricants									
	(a) Recommended lubricant and brand name	-	Mineral Oil, Li-Base Grease (MULTEMP SRL)							
	(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)		NOT REQURED							
	(a) Quantity	m³/h								
	(b) Inlet water temperature	۰C								
	(c) Required cooling water pressure	kPa								
	(d) Type of cooling water	-								
		i .	<u> </u>							

(5) Water to air heat exchanger (if applied)	m³/h	NOT APPILED
(a) Quantity of cooling water	۰C	
(b) Inlet water temperature	kPa	
(c) Required cooling water pressure	-	
(d) Type of cooling water	W	
(6) Space heater (AC 220V 1 phase)	kg	NO
(7) Weight		53KGS
10. Attached document numbers		
(1) Motor outline drawing	-	SEE PAGE 41
(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	-	

## **OUTLINE DIMENSIONS** DATE 2017/3/23 OUTPUT **VOLTAGE** SYN. SPEED MODEL **POLE** TIME RATING Hz R.P.M. kW Continuous AESV2S 4 380 1500 50 Rating 10.1 MOTOR OUTLINE DRAWING



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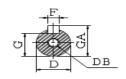


FIG. 2

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FRAM	1E	,	AA		.   ,		۸.	۸.	AS		В	B'		A	BA'	BB	B	۲	BE	1			н
NO.		Α	AA	AB	<sup>5</sup>   <sup>A</sup>	'C	AD	AG	AS		Б	'			БА	ВВ	L		DE		C		<sup>-</sup>
1121	Л	190	45	23	35 2	35	193	125	62.	.5 1	40					186	2	8	40	7	70	0 112	
SHAFT EXTENSION												FLANGE DIMENSION HA HE											
D	E	D	В	≣В	EF	EG	F		G	GA	N	Л	N	F	) (	3	Т	LA	4	LE	] "	^	HE
28	60	M	10	50	5	22	8	3	24	31											1:	3	153.5
K		L		LL	0	UB	В	1 E	D. I BEAR		N.D.E. BEARING			APPROX. WEIGHT KG		$_{T}$ $ V $	VIBRATION mm/sec		.	N F		SOUND POWER /EL dBA/1	
12		412.	5 1	125	50	M25X1	5	6	6306ZZC3		6306ZZC3		<u>2</u> C3		53		1.6					72	

NOTE:

PRELIMINARY
DATE: 2017/3/23

APPD. Imtan 4/25/2018
CHKD. Imtan 4/25/2018
DWN. Imtan 4/25/2018

**TECO Electric & Machinery Co., Ltd.** 

DWG NO.

TEK20180425007

PN Ver:03