_	1	2 3	¥ 4			5			6			7	
	MOTOR SPECIFIC (TENTATIVE												
	MOTOR MODEL	S60D120A-XXXX											
	CUSTOMER MODEL	SOUDIZON XXXX											
	1. SCOPE												
	THIS SPECIFICATION COVERS THE (REQUIREMENTS FOR THE STEP MO THAT CONSISTS OF UNIPOLAR WIN HYBRID MAGNET ROTOR	TOR S60D120A-XXXX											
	2. ELECTRICAL CHARACTERIST	ICS											
	ITEM	SPECIFICATION	DESCRIPTION								_		
	DUTY	CONTINUOUS		ITEM			SP	ECIFIC	ATION	Ľ	ESCRIP	FION	
	DRIVE VOLTAGE	24 V D.C		ODEDAT				000					
	RATED CURRENT	2.0 A (PHASE)		OPERATION AMBIENT TEMPERATU			EMPERATURE		C∼+50°	L .			
	STEP ANGLE	1.8°(DEG) FULL STEP					DITY	20% BH = . 00% BH				NOTE)9	
	NUMBER OF PHASE	2PHASE UNIPOLAR 2PHASE EXCITING		OPERATION AMBIENT HUMIDITY				20% RH $\sim 90\%$ RH			N	NOTE/9	
	INSULATION CLASS(UL)	UL CLASS B (COIL)		STORAGE AMBIENT TEMPERATURE			ATURE	0°C∼+50°C					
	WINDING RESISTANCE	1.1Ω±10%	25°C										
	WINDING INDUCTANCE	1.1mH±20%	NOTE)1	STORAG	E AMBIENT	HUMIDI	TY	159	$^{\rm 6RH}$ \sim	95%RH	Ν	OTE)9	
	HOLDING TORQUE	0.57N·m(5.8kgf·cm) MIN.	NOTE)2	2									
	DETENT TORQUE	260mN·m(2.7Kgf·cm) REF.	11012/2										
	MAX STARTING PULSE RATE	1400PPS MIN.	NOTE)3					N'T HOLD MOTOR BY LEAD WIRES NO OUTSIDE				DE	
	POSITIONAL ACCURACY	±0.09°(DEG) MAX.	NOTE)4			F	FORCE ON TH		THE EXIT OF LEAD WIRES				
	DIELECTRIC STRENGTH	500V A.C 1MINUTE NO ABNORMAL	NOTE)5										
	INSULATION RESISTANCE	$100 \text{ M}\Omega \text{ MIN.}$	NOTE)6					N'T PLUG OR UNPLUG THE MOTOR			E MOTOR C	FOR CONNECTOR	
			NOTE)7				WHILE POWE		WER ON				
TEMPERATURE RISE 80 K (80 DEG) MAX. 3. MECHANICAL CHARACTERISTICS			NOIL)/	1		F	PLEASE DON'T DROP HURL AND DUMP MOTOR AGAINS					GAINST	
			DESCRIPTION				HARD MATERIAL MALFUNCTION MAY NOT BE OB						
	ITEM	SPECIFICATION	DESCRIPTION	- 1	CAUTION AND LA				AFTER SUCH SHOCK BUT IT MAY BE FOUN				
	MECHANICAL DEMENSION	ACCORDING TO SPECIFICATION Y-20-1224-0(PAGE3/3)						LATER THIS TYPE OF MISHANDLING VOIDS OUR WARRANTY					
	SHAFT MATERIAL	SUS303		RECOM	MENDATION				N OP DEDEODMANCE SHALL BE			E EVALUATED D	
	BEARING	SINGLE ROW BALL BEARING		INSTALLIN			TION OR PERFORMANCE SHALL BE EVALUATED B					DBA	
	END BELL MATERIAL	ALUMINUM ALLOY						LING MOTOR TO APPLICATION THAT SHOULD BE ED AT BUYER'S SIDE					
	MASS ROTOR INERTIA	APPROXIMATELY 800g 135g·cm² (135×10³ g·cm·s²) APPROXIMATELY 135g·cm² (135×10³ g·cm·s²)	- ³ g·cm·s ²)				PLEASE DON'T REUSE DISASSEMBLED MOTOR						
	4. ADDITIONAL	1	-						NOT DE DE	SPONSIBLE	EOD AN	v	
	4. ADDITIONAL SPECIFICATION		DESCRIPTION	ון							SPONSIBLE		
	DIRECTION OF ROTATION	PHASE SEQUENCE TO PRODUCE CLOCKWISE				A	APPLICATIO	ONS					
	TYPE OF LEAD WIRE	UL 3266 CSA AWG 22		MATERIAL									20A-X
	COLOR OF LEAD WIRE	ACCORDING TO TABLE 2		FINISH		-	- '20-12-24	_		00 First versi		Hu Jinping	
	LIFE	5000 HOURS MIN.	NOTE)8	DRAWN	DESIGNED C	SY	M DATE CHECKED	REVIS	ION NO.	REVISION	S BY MOTR SPECIFIC.		NOTE THIRD A
	MATERIALS OF MOTOR CONTAIN TEN SUBSTANCES Pb Cr(VI+) Cd Hg PBB PBDE DEHP BBP DB			Dongguan	Dongguan		CHICKLD	SCALE		DWG.NO.	Y-20-1224	1	
	CONTENTS COMPLY WITH THE RoHS INSTRUCTION.			Kaifull '20-12-24	Kaifull '20-12-24						1 20 1224	~	Ψ

1 2 3 v 4 5 6 7				1			
	1	2	3	v 4	5	6	7

	5. NO	TE									
	1.	MEASURED AT 1kHz 1Vrms				FIG1 7		ND CLUT			
Α	2.	MEASURED AT RATED CURRENT AND 2PHASE EXCITING	- FIG1. TEST DRIVE CIRCUIT								
	3.	MEASURED AT NO LOAD									
	4.	EXCLUDING HYSTERESIS 2PHASE EXCITING									
В	5.	THERE SHOULD BE NO BREAK DOWN AT 50Hz&60Hz APPLIED FOR IMINUTE BETWEEN MOTOR FRAME AND LEAD WIRES AND THE CUT OFF CURRENT IS 3mA MAX.				V+ 0					
	6.	APPLY 500V D.C BETWEEN MOTOR FRAME AND LEAD WIRES				A- O- B+ O- B- O-					
	7.	WITH TEST CIRCUIT OF FIG.1 MEASURED BY RESISTANCE METHOD WHEN MOTOR IS OPERATED AT 2PHASE EXCITING 2.0A/PHASE(PEAK)1400PPS NO LOAD WITH ALUMINIUM HEAT SINK160×160×16						Y2SD1			
>	8.	WITH TEST CIRCUIT OF FIG.1 2PHASE EXCITING I=2.0A/PHASE(PEAK) AT 1400PPS BEARING TEMPERATURE MUST BE 80°C MAX. TO DO LIFE TEST AFTER LIFE TEST IT SHOULD CONFORMS THE ELECTRICAL SPECIFICATION UNDER OPERATION AMBIENT				STEP+ O- STEP- O- DIR+ O- DIR- O-	_				
С	9.	NO CONDENSATION				EN+ O EN- O					
D		TABLE1 PHASE SEQUENCE (2 PHASE EXCITING) STEP A B \overline{A} \overline{B} 1 + + - - 2 - + + - 3 - - + + 4 + - - + 5 + + - -					I=2.0A/PHA	SE(PEAK)			
		[TABLE2] COLOR OF LEAD WIRES									
		PHASE A B \overline{A} \overline{B} ACOM BCOM COLOR BLACK RED GREEN BLUE YELLOW WHITE	MATERIAL								
Е		COLOR BLACK RED GREEN BLUE YELLOW WHITE	FINISH		 SYM	'20-12-24 DATE	 REVISION NO.	00 First ve REVISIO			
			22.00	DESIGNED							

Y2SD1R5 -I=2.0A/PHASE(PEAK) ADJUSTED SKY S60D120A-XXXX -24 00 First version Hu Jinping REVISION NO. REVISIONS BY NOTE THIRD ANGLI PROJECTION DRAWN DESIGNED CHECKED CHECKED MOTR SPECIFICATION TITLE SCALE Dongguan
KaifullDongguan
Kaifull'20-12-24'20-12-24Xu YuanhaoXu Yuanhao \oplus DWG.NO. Y-20-1224-0 SHEET 2/3

	1	2	3		v 4		5			6			7
A B	0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.000000			\$24.0 m	12±0.2	32±1							
С		44454		Reduction	Permissible	Back	Transmissi	on , Weigh	ıt		¥		
_				ratio 3.6 7.2	torque 1N.M 2N.M	clearance 0.5°-1° 0.5°-1°	efficiency 50%-80% 50%-80%	6 About 12	20g				
				9 10	2.5N.M 2.7N.M	0.5°-1° 0.5°-1°	50%-80% 50%-80%						
D				18 36 50	3N.M 4N.M 4N.M	0.5°-1° 0.5°-1° 0.5°-1°	50%-80% 50%-80% 50%-80%	5 About 12	20g				
	[WIR	RING DIAGRAM]		100	4N.M	0.5°-1°	50%-80%						
	$\begin{array}{c} \text{Black} & \underline{-A} \\ \text{Yellow} & \underline{-AC} \\ \text{Green} & \underline{-\overline{A}} \end{array}$				[TOLERANCES (EXCEPT AS NOTES)	±0.3	PORTIC	ONS MARKE	D BY ★ AI	RE USED BY CU	STOMER (MO	DUNTING-POWER
P	Green				-	MATERIAL					00 First version	Hu Jinping	S60D120A-XXXX
E		Red White Blue				Dongguan Dor	IGNED CHECK			SION NO.		BY FR SPECIFICATION Y-20-1224-0	NOTE THIRD ANGLI PROJECTION
						Kaifull K '20-12-24 '20	aifull -12-24 ⁄uanhao				Dirichito.	Y-20-1224-0	