	1		
ITEM	PART NO.	DESCRIPTION	Q'TY
1	R2AAXXXXXFXP00M	R SERIES SERVO MOTOR W/O BRAKE, SANYO DENKI	1
2	745254-6	SIZE 20 HIGH REL GOLD FLASH CRIMP CONTACT AWG 22-26, AMP	9
3	206486-2	CPC SERIES 2 SIZE 11 9PIN FREE HANGING(OR 206486-1RECEPT), AMP	1
4	1-206062-4	SIZE 11 CABLE CLAMP, AMP	1 1
5	66099-3	TYPE III+ PIN AWG 16-18, AMP	4
6	206705-2	CPC SERIES 1 SIZE 13, 9PIN FREE HANG(206705-1 RECEPT), AMP	1
7	206966-7	SIZE 13 CABLE CLAMP, AMP	1
8	VERSAFIT 1/4-0	TBG, SHRINK 1/4"ID, RAYCHEM	0.1
9	TW-24	TBG, PLSTC .022" ID THIN WALL TEFLON 24 AWG, STORM	0.1
10	VERSAFIT 3/8-0	TBG, SHRINK 3/8"ID, RAYCHEM	0.1
11	PTL-17-435	MATT METALLIZED POYESTER 1.63"x0.75", BRADY	1
12	PTL-31-427	SELF-LAMINATING LABEL, BRADY	2

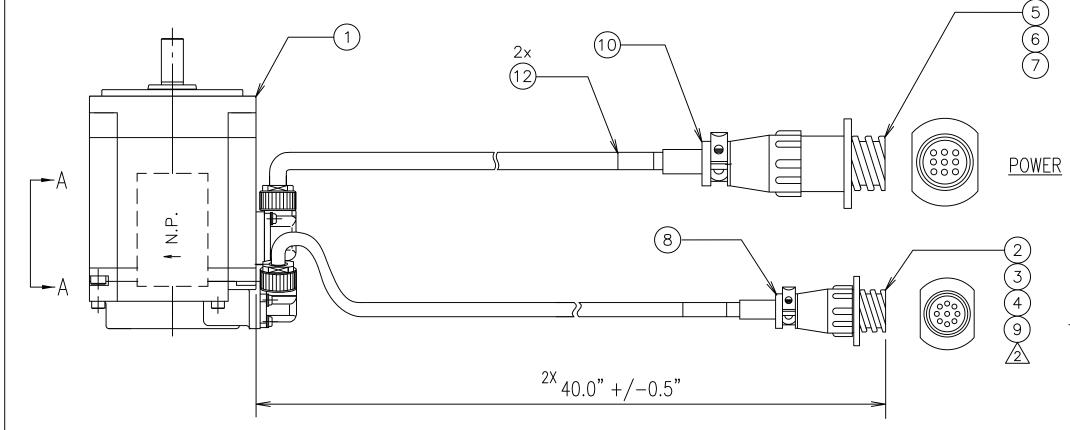
REV	DATE	DESCRIPTION	APPROVAL	REF.
0	03/30/11	ORIGINAL RELEASE	HT	
Α	01/25/12	CORRECT OBSOLETED PART	HT	
В	07/31/13	ADD CLEAR TUBING, DCO-13-168	HT	

NOTE:

PRINT "SANYO DENKI AMERICA" ASSEMBLY PART NUMBER & LOT NUMBER.

2 COVER DRAIN WIRE WITH CLEAR TEFLON TUBING PRIOR TO TERMINATION.

3. ENCODER WIRING SHOWS CONNECTION FOR SINGLE-AXIS AMPLIFIER.



WIRE LIST - MOTOR POWER

PIN	AWG	COLOR	SIGNAL
1	18	RED	U
2	18	WHITE	V
3	18	BLACK	W
5	18	GREEN/YELLOW	GND

ENCODER

ENCODER WIRING (6 CONDUCTOR)

				WIF	RE LIST		
WIRE	FROM		TO		WIRE		
ITEM	CONN	PIN	CONN	PIN	AWG	COLOR	SIGNAL NAME
1	MTR		ENC	1	26	PNK	BAT+
1	MTR		ENC	2	26	VIO	BAT-
1	MTR		ENC	3	26	BRN	ES+
1	MTR		ENC	4	26	BLU	ES-
1	MTR		ENC	5			
1	MTR		ENC	6			
1	MTR		ENC	7	26	RED	+5V
1	MTR		ENC	8	26	BLK	VCOM
1	MTR		ENC	9		DRAIN	SHIELD

PART NUMBER LOT# XX_XX_XX

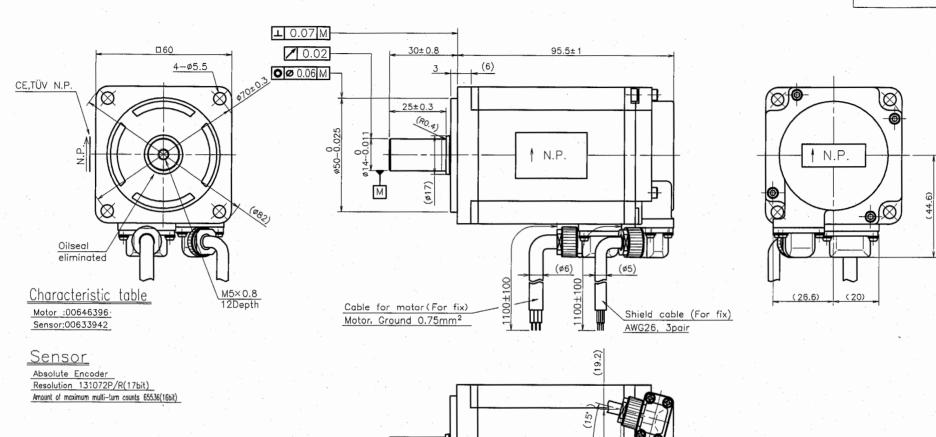
VIEW A—A

Uncontrolled if printed or E-Mailed

SERVO MOTOR MODEL

ITEM	MOTOR P/N	STANDARD MODEL SERVO AMPLIFIER
01	R2AA04003FXP00ME01	
02	R2AA04005FXP00ME01	
03	R2AA04010FXP00ME01	RS1A01AA
04	R2AA06010FXP00ME01	
05	R2AA06020FXP00ME01	
06	R2AA08020FXP00ME01	
07	R2AA06040FXP00ME01	
08	R2AA08040FXP00ME01	RS1A03AA
09	R2AA08075FXP00ME01	
	·	

REMARKS OPPOSITE Q'TY SHOWN Q'TY DRAWN BY: MO SCALE MATERIAL APPROVED BY: THIRD ANGLE 03/30/11 METRIC DATE: MODEL NAME R SERIES SERVO MOTOR W/O BRAKE - STANDARD CONNECTOR ASSY. REVISED SANYO DENKI AMERICA, INC. R2AAXXXXXFXP00ME01 TORRANCE, CALIFORNIA, U.S.A.



(44)

CE,TÜV N.P.

(28.3)

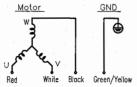
(23.2)

Degrees of protection
P67(except for the shoft hole and the edge of the cable)

Motor Mass(Including Sensor) 1.3kg(except for the cable)

UL, TÜV Specification

Connection



Direction of ratation is C.C.W for phase sequence UVW, as seen from front shaft.

Sensor

Signal	Color	Pair
+DC 5V	Red	
OV	Black	
ES+	Brown	
ES-	Blue	<u> </u>
EBAT+	Pink	
EBAT-	Purple	



Assembling			0ре	eration			I-LR-I
Radia! play(N)	Thrust	play(N)	Radial play(N)	Thrust	play(N)		1 2LR/3
FR	F	F1	FR	F	_ F1	F 🗪	I FROM THE
390	200	200	250	68	68	F 1	

		B APPROVED BY S. Orosera 17-01-25		3521
	単位 UNIT. 原記 M M O	E CHECKED BY 2. Famaura 17-01-24	SERVO	MOTOR
A 1st EDITION BY J.00SAWA 07-01-22 12.9	R度 SCALE 被 J	H DESIGNED BY .OOSAWA .7-01-22	00.5	DRAWINGS FOFXPOOM
11注重复株式会社 🥙	188UED	DVB NO.	0064	6930 A
9 A2G-F1	10		11 O 006	16930

FOR REFERENCE ONLY

1. Characteristics of Motor

Terms	Item	Symbol	Unit	Specification
	Drive			Sine Wave
	Amplifier power supply			AC200V~AC230V +10% -15% 50/60Hz±3Hz 3phase
	Cooling Method	_		Totally Enclosed
	Exciting Method			Permanent Magnet
	Rated			Cont.
☆☆	Rated Output	PR	kW	0.4
☆☆	Rated Torque	Tr	N· m	1.27
☆☆	Continuous Stall Torque	Ts	N• m	1.37
☆☆	Peak Stall Torque	ТР	N• m	4.8
☆☆	Rated Speed	NR	min ⁻¹	3000
☆☆	Maximum Speed	Nmax	min ⁻¹	6000
☆☆	Rated Current	l _R	Arms	2.8
☆☆	Continuous Stall Current	Is	Arms	2.8
☆☆	Peak Armature Current	IP.	Arms	10.8
☆	Torque Constant	Кт	N• m∕Arms	0.524± 10%
☆	Voitage Constant	KEφ	mV∕min ⁻¹	18.3± 10%
	Rotor inertia	JM	kg· m² (GD ²/4)	0.412×10 ⁻⁴
Δ.Δ.	Rated Power Rate		kW/s	39
☆	Resistance	Rφ	Ω	1.36
☆	Inductance	Lφ	mH	4.3
☆	Mech.Time Constant	tm	ms .	0.61
☆	Elect.Time Constant	te	ms	3.2
	Insulation Class	——		F
	Vibration Class			V15
☆☆	Max.temperature Rise	θ	K	110 (Resistance method)
	Insulation Resistance		MΩ	10MIN. (DC500V megger)
	Dielectric Strength		. V	1500 (AC 1min)

2. Environmental Condition

Item	Operation	Storage			
Temperature (℃)	0~40	-20~65			
Humidity(%)	20~90	20~90			
Humarty (%)	No dew condensation required				
Vibration (m/s²)		24.5 (Single amplitude)			
Shock (m/s²)	980 (Single amplitude) ,Twice				

Note.1. ☆☆ indicates motor temperature rise saturation point combined with Amplifire & indicates coil temperature at 20°C.

All values are at typical ones.

2. The ratings measured by alminum heat sink size 250×250×6t.

3. Total rotor inertia shall be add respectivery.

4. Fig. 1 is a value when motor temperature rise saturation point

- combined with Amplifire at AC200V.

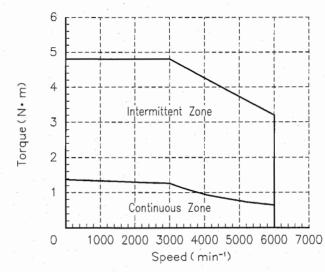


Fig.1 Torque-Speed characteristics (Note.4)

1			4-1	承認 APPROVED BY		品目分類記号	l
			 (D)[-]	S. Onodera		3521	l
			T -	0/-01-18			Г
		·	単位 UNIT	審査 CHECKED 8Y	名称 TITLE		ŀ
		ļ	-	K. Yamaura	lMatar		Ι.
			mm	07-01-18			-
	A 1st EDITION BY J.OOSAW	07-01-18	尺度 SCALE		l Charac	teristics	٠.
		10, 01 10		J.OOSAWA			ı
	記号 記 事 DESCRIPTION	· 日 付 DATE		07-01-18	R2AA060	40FX*	lF
	コピチョラケナ	#-	ANYO DENKI	図番 DWG NO.		REV.	1
	山洋電気		CO. LTD. 008-02-20	\cap	0616	$Z \cap C \mid \Lambda$	
	SANVODENIK		1551150	l (<i>)</i>	$(\cdot, \cdot) \leftarrow (\cdot)$	\bigcirc	1

FOR REFERENCE ONLY

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