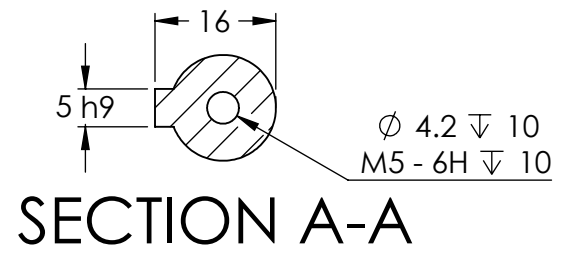


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	CUSTOMER INFORMATIONAL	05/02/2017	RA

**HPM60-03-90-01 Specifications**

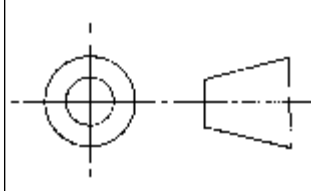
Parameter	Unit	Value
Rated Power	W	600
Rated Voltage	V <sub>(DC)</sub>	90
Continuous Stall Torque	Nm	1.91
Max Torque	Nm	5.73
Rated Speed/Max Speed	rpm	3000/3600
Rated Current	A <sub>(peak)</sub>	12
Max Current	A <sub>(peak)</sub>	36
Ke : Back EMF Constant	V <sub>(peak)</sub> /krpm	17.5
Kt : Torque Constant	Nm/A <sub>(peak)</sub>	0.166
Moment of Inertia	x10 <sup>-4</sup> kgm <sup>2</sup>	0.4
Number of Poles	#	8
Mass	kg	1.95

Feedback Element	Optical Encoder (2500 line)
Operating Environment	Temperature: 0-40°C; Humidity <95%RH (Free from condensing)
Storage Environment	Temperature: -20-65°C; Humidity <95%RH (Free from condensing)
Insulation	Class F (155°C Winding Temperature)
Protection Class	IP65
Duty Cycle	Continuous



Motor Plug (Weipu SP2110/P)				
Mating Connector SP2111/S4II				
Plug Serial Number	1	2	3	4
Winding Lead Wire	U	V	W	PE

Encoder Plug (AMP 172171-1) Mates with AMP 172163-1															
Plug Serial Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
Encoder Signal	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE



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UNLESS OTHERWISE SPECIFIED:  
DRAWING SYMBOLS & TOLERANCES PER ANSI Y14.5  
DIMENSIONS ARE METRIC  
TOLERANCES:  
DECIMALS    LINEAR    ANGULAR  
.X            ±0.2            ±0.5DEG  
.XX          ±0.02          ±0.2DEG  
.XXX        ±0.005        ±0.01DEG

INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5

MATERIAL

FINISH        CLEAN

DRAWN        Sun KPO    05/02/2017



TITLE:  
**SERVO MOTOR**

SIZE	PRT. NO.	REV
<b>B</b>	HPM60-03-90-01	<b>1</b>

**CONFIDENTIAL**

SCALE: 1:1      SHEET 1 OF 1