

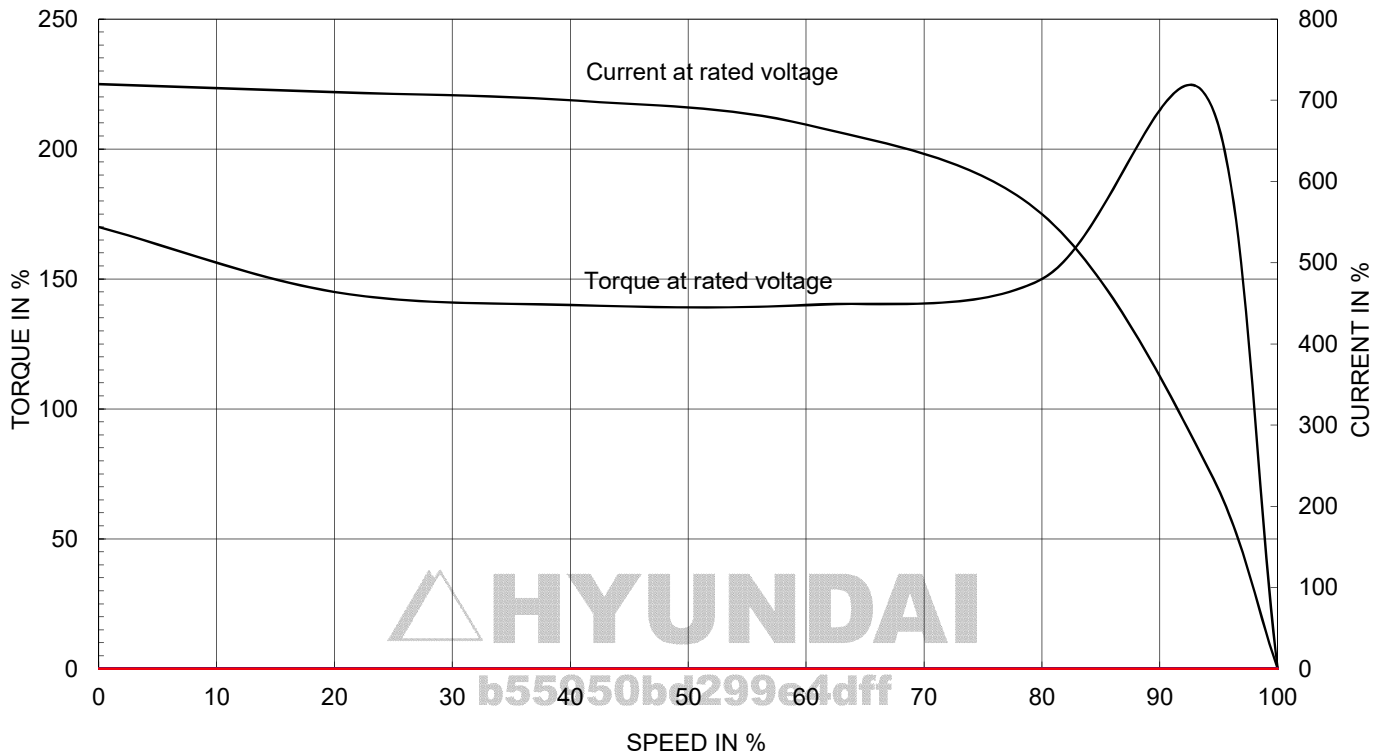
# AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item No.		Rev. No.		[ 0 ]			
Project Name		Project No.		Quantity		set			
<b>GENERAL SPECIFICATION</b>				<b>PERFORMANCE DATA</b>					
Frame Size		132S		Rated Output		3.7 kW 5 HP			
Type		HLP-3.7/6		Number of Poles		6			
Enclosure(Protection)		Totally Enclosed ( IP55 )		Rotor Type		Squirrel Cage			
Method of Cooling		IC411(FC)		Starting Method*		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-Δ			
Rated Frequency		60 Hz		Rated Voltage		440 V 380 V 220 V			
Number of Phases		3		Current		Full Load 7.7 A 9.0 A 15.5 A			
Insulation Class		<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**		720 % 720 % 720 %			
Temp. Rise at full load (by resistance method)				Efficiency					
at 1.0 S.F 80 °C				50% Load 89.2 %					
Motor Location <input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor				75% Load 90.0 %					
Altitude Less than 1000m				100% Load 89.5 %					
Relative Humidity Less than 80 %				Power Factor(p.u)					
Ambient Temp. 40 °C MAX.				50% Load 0.520					
Duty Type Continuous(S1)				75% Load 0.630					
Service Factor 1.15				100% Load 0.700					
Mounting <input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5				Speed at Full Load 1170 r.p.m					
Bearing		Type Anti-Friction		Torque					
		DE/N-DE 6208ZZC3 / 6208ZZC3		Full Load 3.1 kg.m					
		Lubricant Grease(Polyrex-EM)		Locked-rotor** 170 %					
External Thrust Not applicable				Breakdown** 220 %					
Coupling Method <input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt				Moment of Inertia (J)					
Shaft Extension <input checked="" type="checkbox"/> Single <input type="checkbox"/> Double				Load(Max.) 7.70042735 kg·m²					
Terminal Box		Main <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Motor 0.052 kg·m²					
		Aux. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sound Pressure Level (No-load & mean value at 1m from motor)					
		Location Refer to Outline Drawing		63 dB(A)					
Application				Vibration 1.6 mm/sec(r.m.s)					
Area classification Non-Hazardous				Permissible number of consecutive starts					
Type of Ex-Protection Not applicable				Cold 3 times					
Applicable Standard KS, IEC, NEMA MG1 Part30(Vpeak)				Hot 2 times					
				Paint Munsell No. Pantan279C					
<b>ACCESSORIES</b>				<b>SUBMITTAL DRAWING</b>					
				Outline Dimension Drawing \ Motor Weight(Approx.)					
				B3				kg	
				B5		LM-T1131B5PLV01		68 kg	
				V1				kg	
				B3/B5				kg	
				Main T-Box Ass'y 3M-148549					
				<b>REMARK</b>					
				*.Premium Efficiency(IE3)					
				*.For use on PWM VFD 10:1VT,3:1CT@ 1.0S.F&F Temp.rise					
<b>SPARE PARTS</b>									
				Date		DSND		CHKD	
				2018-11-23		R.G. KIM		---	

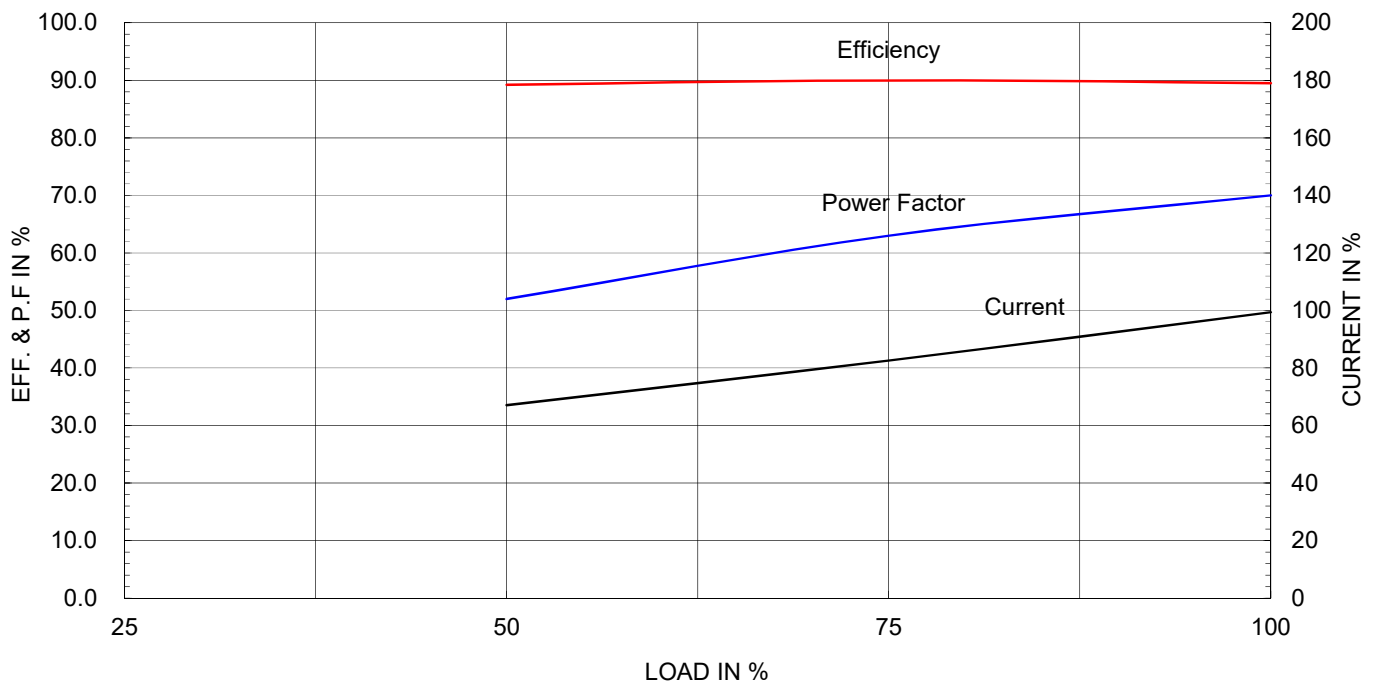
Type	:	HLP-3.7/6
Full Load Torque :	3.1	Kg-m
Load moment of Inertia (J) :	7.700	Kg-m <sup>2</sup>
Motor moment of Inertia (J) :	0.052	Kg-m <sup>2</sup>

3.7kW	5HP	6P	60 Hz
Speed at Full Load : 1170 RPM			
Rated Voltage	440V	380V	220V
Full Load Current	7.7A	9.0A	15.5A

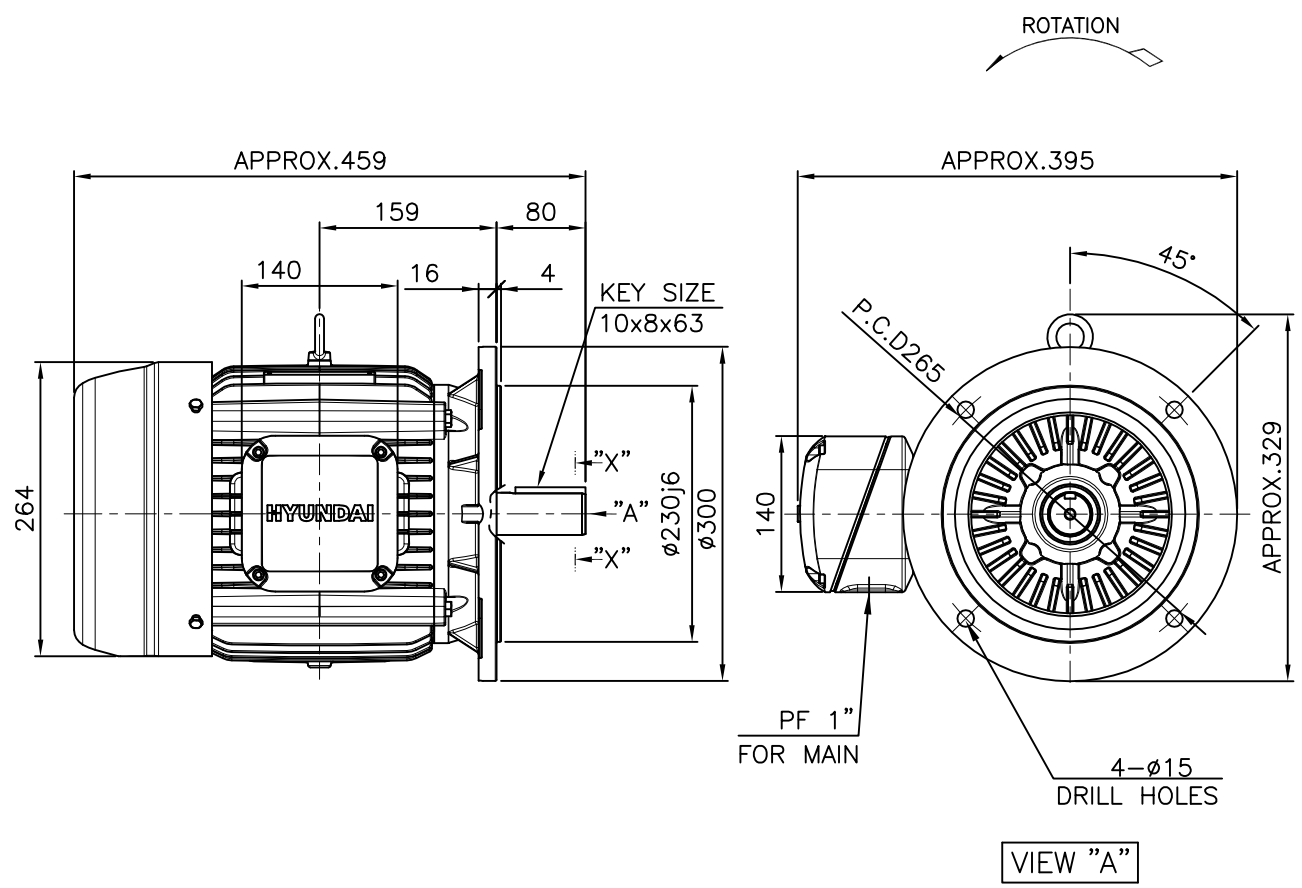
SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE



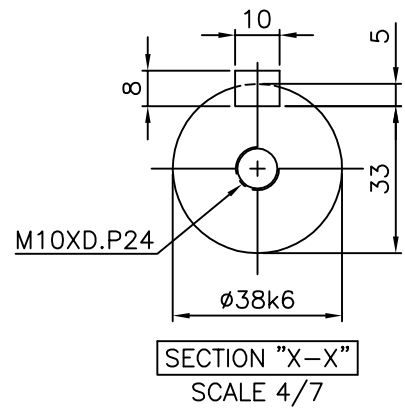
1			2		3		4		
▽	50S	REV	DATE	CONTENTS		REVD BY	CHKD BY	CHKD BY	APPD BY
▽▽	12.5S								
▽▽▽	3.2S								
▽▽▽▽	0.4S								



# NOTE

1.TOLERANCE :

FLANGE HOLE	$\phi 15$	$+0.43$ 0
RABBET DIAMETER	$\phi 230$	$+0.016$ $-0.013$
SHAFT DIAMETER	$\phi 38$	$+0.018$ $+0.002$
KEYWAY WIDTH	10	$+0$ $-0.036$
KEYWAY DEPTH	5	$+0.2$ 0
KEY WIDTH	10	$+0$ $-0.036$
KEY HEIGHT	8	$+0$ $-0.090$

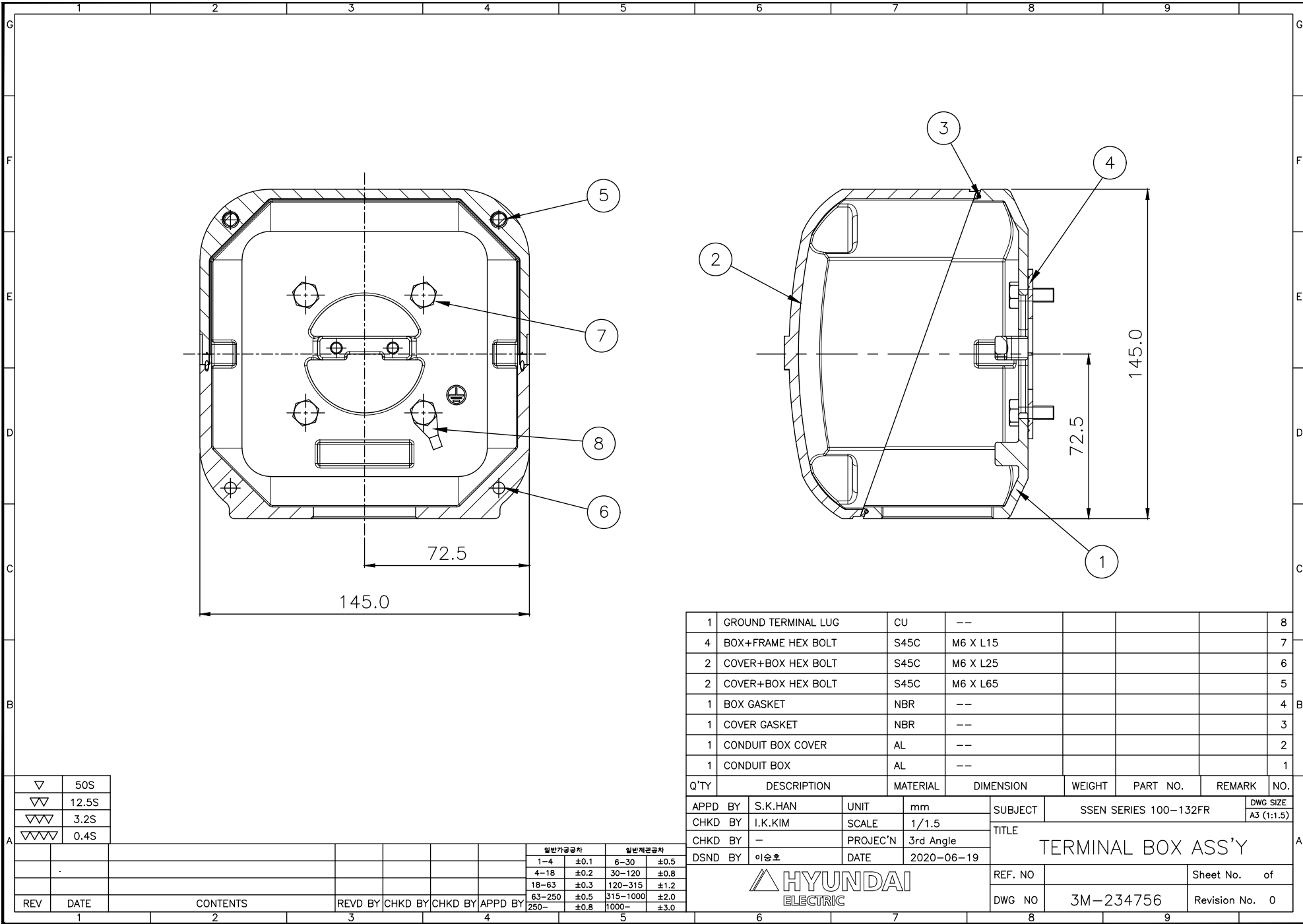


APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS Fr.132S	DWG SIZE
CHKD BY	I.K.KIM	SCALE	1/7	TITLE		A4 ( 1:7 )
CHKD BY	S.H.LEE	PROJEC'N	3각법 (3rd Angle)			
DSND BY	S.R.KIM	DATE	2020.06.19			
				REF. NO		Sheet No. of
				DWG NO	LM-T1131B5PLV01	Revision No. 0

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허가없이 복사할 수 없음 (취급유의)


HYUNDAI  
ELECTRIC



▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REV'D BY	CHK'D BY	CHK'D BY	APPD BY
1						

일반가공공차		일반계관공차	
1-4	±0.1	6-30	±0.5
4-18	±0.2	30-120	±0.8
18-63	±0.3	120-315	±1.2
63-250	±0.5	315-1000	±2.0
250-	±0.8	1000-	±3.0

1	GROUND TERMINAL LUG	CU	--				8
4	BOX+FRAME HEX BOLT	S45C	M6 X L15				7
2	COVER+BOX HEX BOLT	S45C	M6 X L25				6
2	COVER+BOX HEX BOLT	S45C	M6 X L65				5
1	BOX GASKET	NBR	--				4
1	COVER GASKET	NBR	--				3
1	CONDUIT BOX COVER	AL	--				2
1	CONDUIT BOX	AL	--				1
Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY	S.K.HAN	UNIT	mm	SUBJECT	SSEN SERIES 100-132FR		DWG SIZE A3 (1:1.5)
CHKD BY	I.K.KIM	SCALE	1/1.5	TITLE  TERMINAL BOX ASS'Y			
CHKD BY	-	PROJEC'N	3rd Angle				
DSND BY	이승호	DATE	2020-06-19				
				REF. NO		Sheet No.	of
				DWG NO	3M-234756	Revision No.	0
6		7		8		9	