

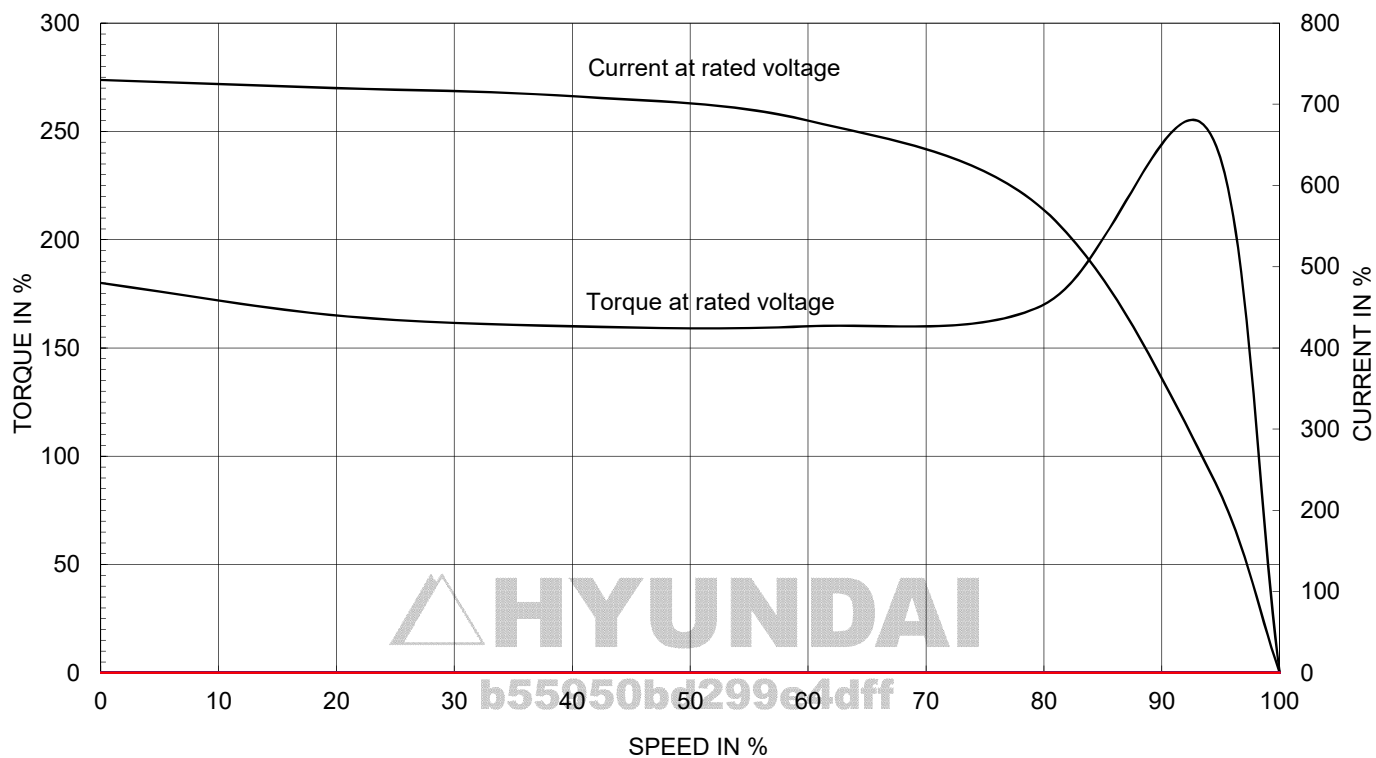
AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item No.		Rev. No.		[0]							
Project Name		Project No.		Quantity		set							
GENERAL SPECIFICATION				PERFORMANCE DATA									
Frame Size		112M		Rated Output		2.2 kW 3 HP							
Type		HKP-2.2/6		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 4.7 A 5.5 A 9.5 A							
Insulation Class		<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**		730 % 730 % 730 %							
Temp. Rise at full load (by resistance method)		at 1.0 S.F 80 °C		Efficiency		50% Load 85.7 %							
Motor Location		<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor				75% Load 88.5 %							
Altitude		Less than 1000m				100% Load 89.5 %							
Relative Humidity		Less than 80 %		Power Factor(p.u)		50% Load 0.490							
Ambient Temp.		40 °C MAX.				75% Load 0.610							
Duty Type		Continuous(S1)				100% Load 0.680							
Service Factor		1.15		Speed at Full Load		1175 r.p.m							
Mounting		<input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5		Torque		Full Load 1.8 kg.m							
Bearing		Type Anti-Friction				Locked-rotor** 180 %							
		DE/N-DE 6206ZZC3 / 6206ZZC3				Breakdown** 250 %							
		Lubricant Grease(Polyrex-EM)		Moment of Inertia (J)		Load(Max.) 4.559148936 kg·m²							
External Thrust		Not applicable				Motor 0.03 kg·m²							
Coupling Method		<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt		Sound Pressure Level (No-load & mean value at 1m from motor)		59 dB(A)							
Shaft Extension		<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double		Vibration		1.6 mm/sec(r.m.s)							
Terminal Box		Main <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Permissible number of consecutive starts		Cold 3 times							
		Aux. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hot 2 times							
		Location Refer to Outline Drawing		Paint		Munsell No. Panton279C							
Application													
Area classification		Non-Hazardous											
Type of Ex-Protection		Not applicable											
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)											
ACCESSORIES				SUBMITTAL DRAWING									
				Outline Dimension Drawing \ Motor Weight(Approx.)									
				B3				kg					
				B5		LM-T1113B5PLV01		48 kg					
				V1				kg					
				B3/B5				kg					
				Main T-Box Ass'y		3M-148549							
				REMARK									
				*.Premium Efficiency(IE3)									
				*.For use on PWM VFD 10:1VT,3:1CT@ 1.0S.F&F Temp.rise									
SPARE PARTS													
				Date		DSND		CHKD		CHKD		APPD	
				2018-11-23		R.G. KIM		---		O.J. KIM		S.K.HAN	

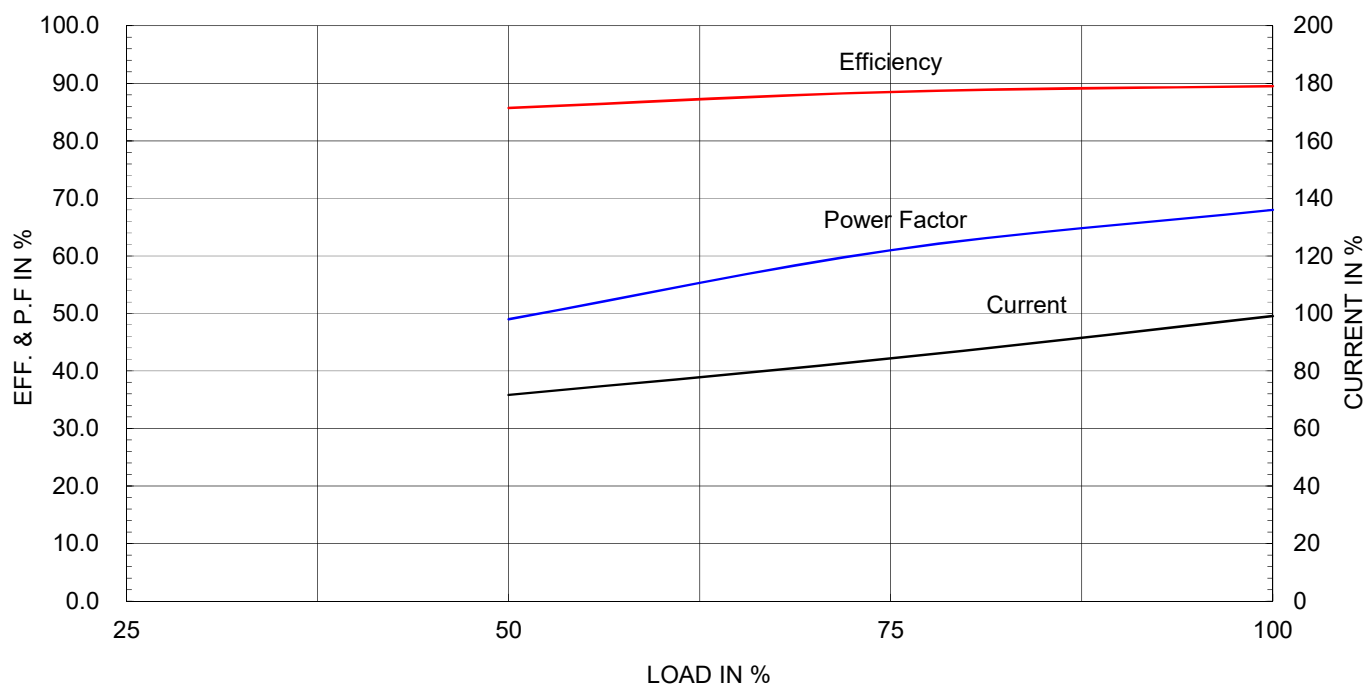
Type :	HKP-2.2/6
Full Load Torque :	1.8 Kg-m
Load moment of Inertia (J) :	4.559 Kg-m ²
Motor moment of Inertia (J) :	0.030 Kg-m ²

2.2kW	3HP	6P	60 Hz
Speed at Full Load : 1175 RPM			
Rated Voltage	440V	380V	220V
Full Load Current	4.7A	5.5A	9.5A

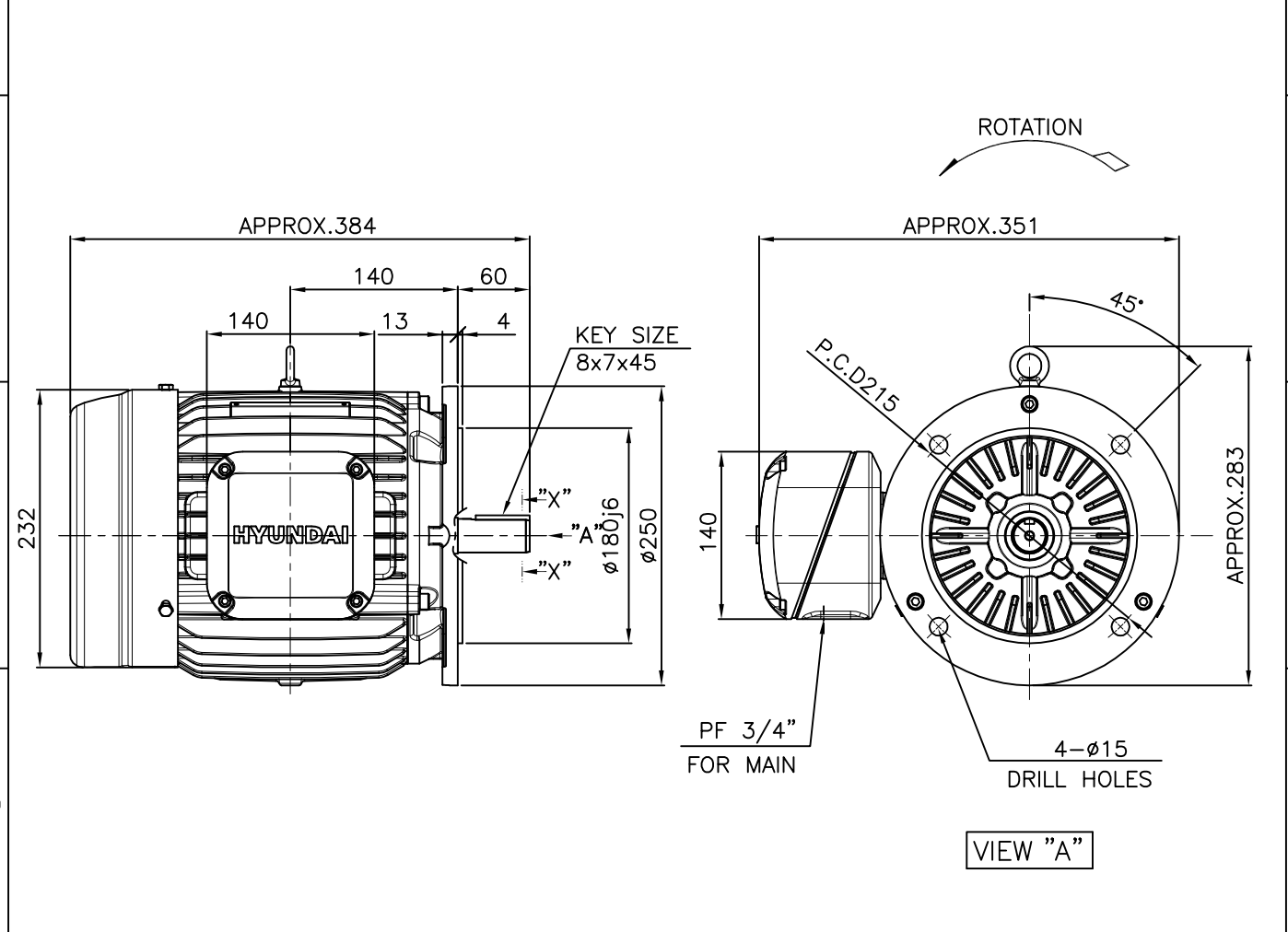
SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE



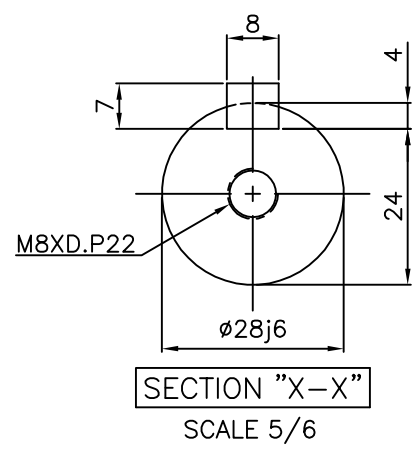
1			2		3		4		
▽	50S	REV	DATE	CONTENTS		REVD BY	CHKD BY	CHKD BY	APPD BY
▽▽	12.5S								
▽▽▽	3.2S								
▽▽▽▽	0.4S								



NOTE

1.TOLERANCE :

FLANGE HOLE	ø15	$+0.43$ 0
RABBET DIAMETER	ø180	$+0.014$ -0.011
SHAFT DIAMETER	ø28	$+0.009$ -0.004
KEYWAY WIDTH	8	0 -0.036
KEYWAY DEPTH	4	$+0.2$ 0
KEY WIDTH	8	0 -0.036
KEY HEIGHT	7	0 -0.090

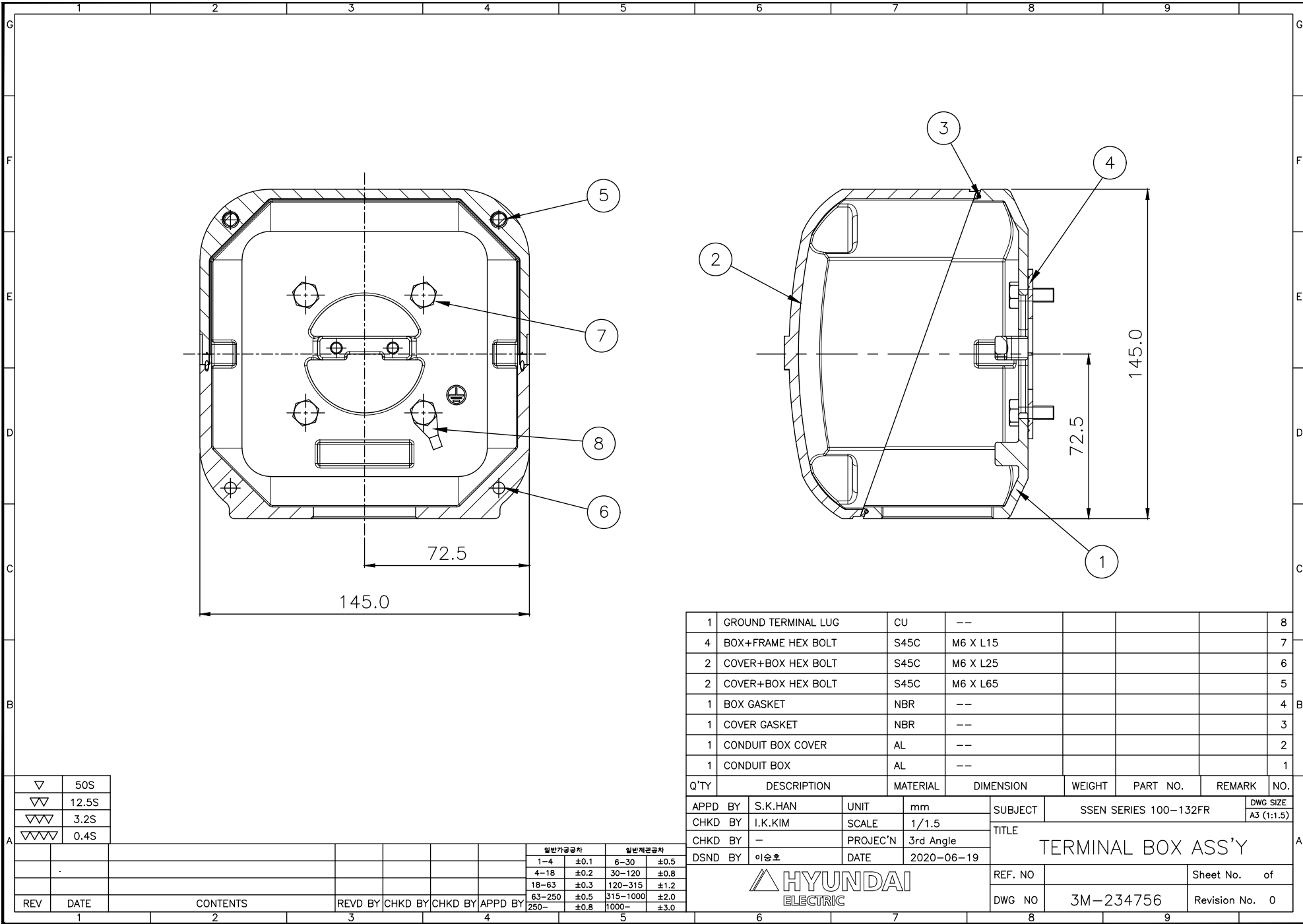


APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS Fr.112M	DWG SIZE
CHKD BY	I.K.KIM	SCALE	1/6	TITLE		A4 (16)
CHKD BY	S.H.LEE	PROJEC'N	3각법 (3rd Angle)			
DSND BY	S.R.KIM	DATE	2020.06.19			
				REF. NO	Sheet No. of	
				DWG NO	LM-T1113B5PLV01	Revision No. 0

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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	
CHKD BY	I.K.KIM	SCALE	1/1.5	TITLE TERMINAL BOX ASS'Y				A3 (1:1.5)
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		