

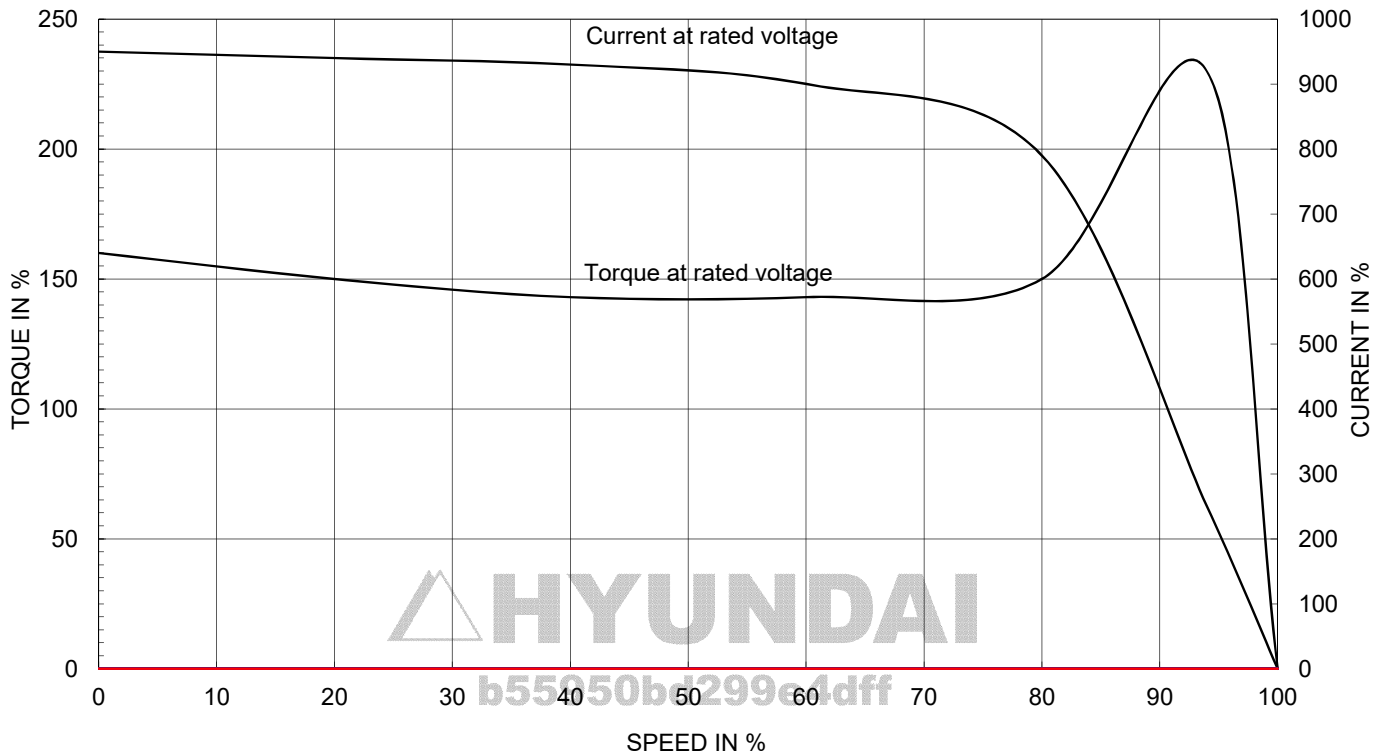
AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item No.		Rev. No.		[0]			
Project Name		Project No.		Quantity		set			
GENERAL SPECIFICATION				PERFORMANCE DATA					
Frame Size		180L		Rated Output		30 kW 40 HP			
Type		HLP-30/2		Number of Poles		2			
Enclosure(Protection)		Totally Enclosed (IP55)		Rotor Type		Squirrel Cage			
Method of Cooling		IC411(FC)		Starting Method*		☒ D.O.L ☐ Y-Δ			
Rated Frequency		60 Hz		Rated Voltage		440 V 380 V 220 V			
Number of Phases		3		Current		Full Load 47.6 A 55.1 A 95.2 A			
Insulation Class		☒ F ☐ B ☐ H		Locked-rotor**		950 % 950 % 950 %			
Temp. Rise at full load (by resistance method)				Efficiency					
at 1.0 S.F		80 °C		50% Load		92.2 %			
Motor Location		☒ Indoor ☐ Outdoor		75% Load		92.6 %			
Altitude		Less than 1000m		100% Load		92.4 %			
Relative Humidity		Less than 80 %		Power Factor(p.u)					
Ambient Temp.		40 °C MAX.		50% Load		0.860			
Duty Type		Continuous(S1)		75% Load		0.885			
Service Factor		1.15		100% Load		0.895			
Mounting		☐ B3 ☒ B5 ☐ V1 ☐ B3/B5		Speed at Full Load		3560 r.p.m			
Bearing		Type Anti-Friction		Torque					
		DE/N-DE 6212ZZC3 / 6310ZZC3		Full Load		8.2 kg.m			
		Lubricant Grease(Polyrex-EM)		Locked-rotor**		160 %			
External Thrust		Not applicable		Breakdown**		230 %			
Coupling Method		☒ Direct ☐ V-Belt		Moment of Inertia (J)					
Shaft Extension		☒ Single ☐ Double		Load(Max.)		9.849438202 kg·m ²			
Terminal Box		Main ☐ Steel ☒ Cast Iron		Motor		0.088 kg·m ²			
		Aux. ☐ Yes ☒ No		Sound Pressure Level (No-load & mean value at 1m from motor)					
		Location Refer to Outline Drawing				79 dB(A)			
Application				Vibration		2.2 mm/sec(r.m.s)			
Area classification		Non-Hazardous		Permissible number of consecutive starts		Cold 3 times			
Type of Ex-Protection		Not applicable				Hot 2 times			
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)		Paint		Munsell No. Panton279C			
ACCESSORIES				SUBMITTAL DRAWING					
				Outline Dimension Drawing \ Motor Weight(Approx.)					
				B3				kg	
				B5		LM-T1185B5PLV01		186 kg	
				V1				kg	
				B3/B5				kg	
				Main T-Box Ass'y		3M-145860			
				REMARK					
				*.Premium Efficiency(IE3)					
				*.For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise					
SPARE PARTS									
				Date		DSND		CHKD	
				2018-11-23		R.G. KIM		---	

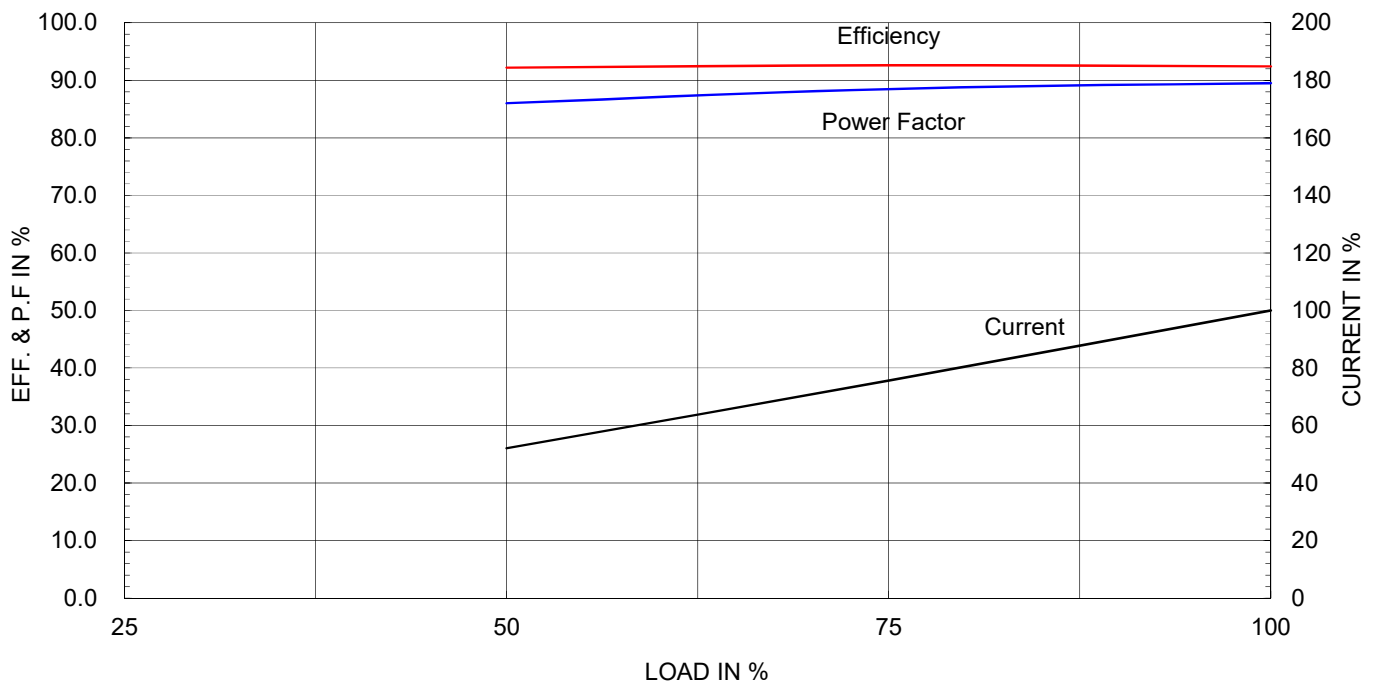
Type :	HLP-30/2
Full Load Torque :	8.2 Kg-m
Load moment of Inertia (J) :	9.849 Kg-m ²
Motor moment of Inertia (J) :	0.088 Kg-m ²

30kW	40HP	2P	60 Hz
Speed at Full Load : 3560 RPM			
Rated Voltage	440V	380V	220V
Full Load Current	47.6A	55.1A	95.2A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

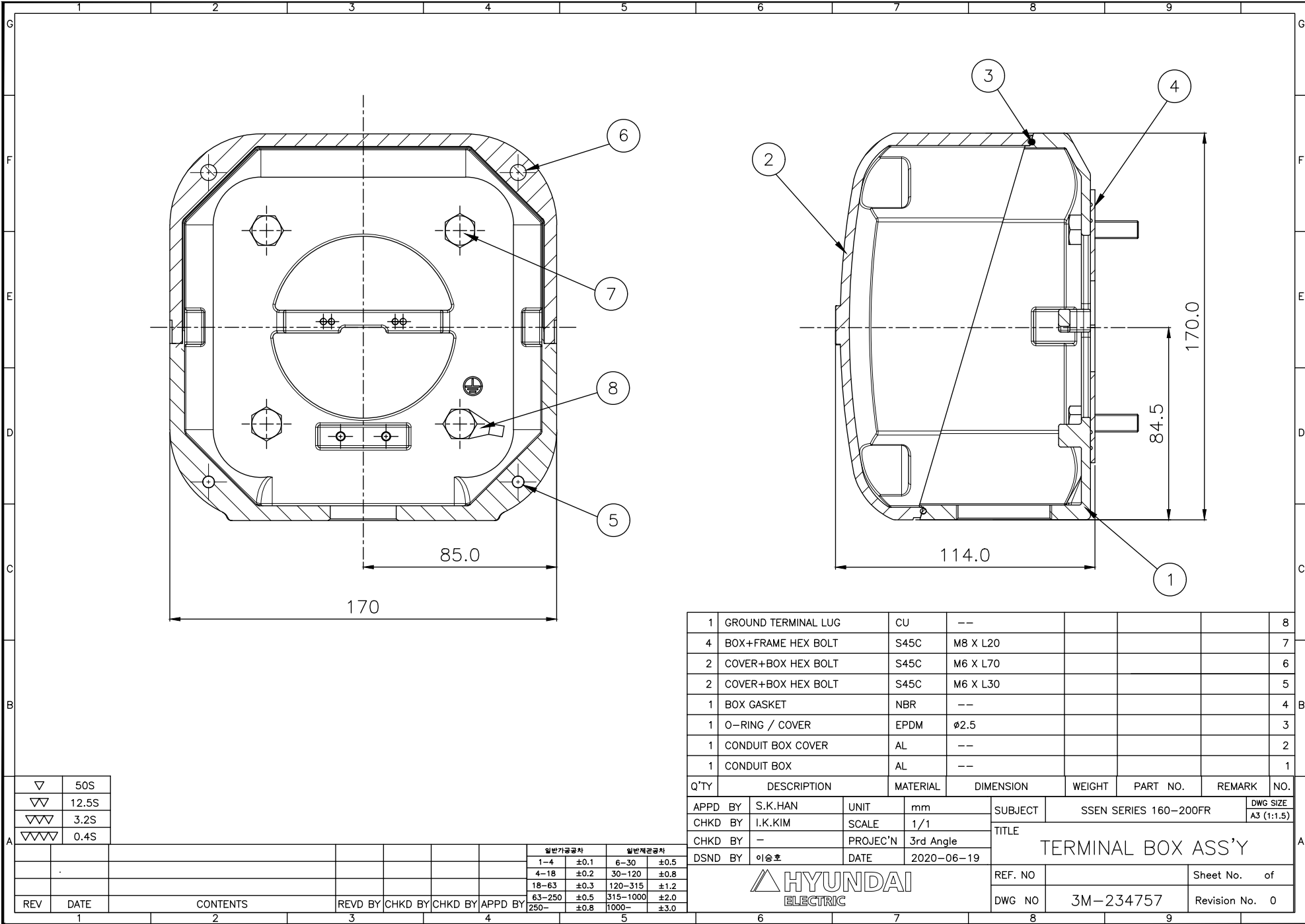


APPD	BY	S.K.HAN	UNIT	mm	SUBJECT	KS Fr.180L	DWG SIZE
CHKD	BY	I.K.KIM	SCALE	1/8.5			A4 (16.5)
CHKD	BY	S.H.LEE	PROJEC'N	(3rd Angle)	TITLE	Outline	
DSND	BY	S.R.KIM	DATE	2020.06.19			
					REF. NO		Sheet No. of
					DWG NO	LM-T1185B5PLV01	Revision No. 0

THIS DRAWING IS PROPRIETARY TO HYUNDAI ELECTRIC. NO PART OF THIS DRAWING
MAY BE REPRODUCED WITHOUT THE PERMISSION OF HYUNDAI ELECTRIC.

본 도면은 현대일렉트릭(주) 재산이므로
허가없이 복사할 수 없음 (취급유의)

HYUNDAI
ELECTRIC



▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD 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	M8 X L20				7
2	COVER+BOX HEX BOLT	S45C	M6 X L70				6
2	COVER+BOX HEX BOLT	S45C	M6 X L30				5
1	BOX GASKET	NBR	--				4
1	O-RING / COVER	EPDM	φ2.5				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 160-200FR		
CHKD BY	I.K.KIM	SCALE	1/1	TITLE	TERMINAL BOX ASS'Y		
CHKD BY	-	PROJEC'N	3rd Angle	REF. NO	Sheet No. of		
DSND BY	이승호	DATE	2020-06-19	DWG NO	3M-234757	Revision No.	0

HYUNDAI
ELECTRIC