

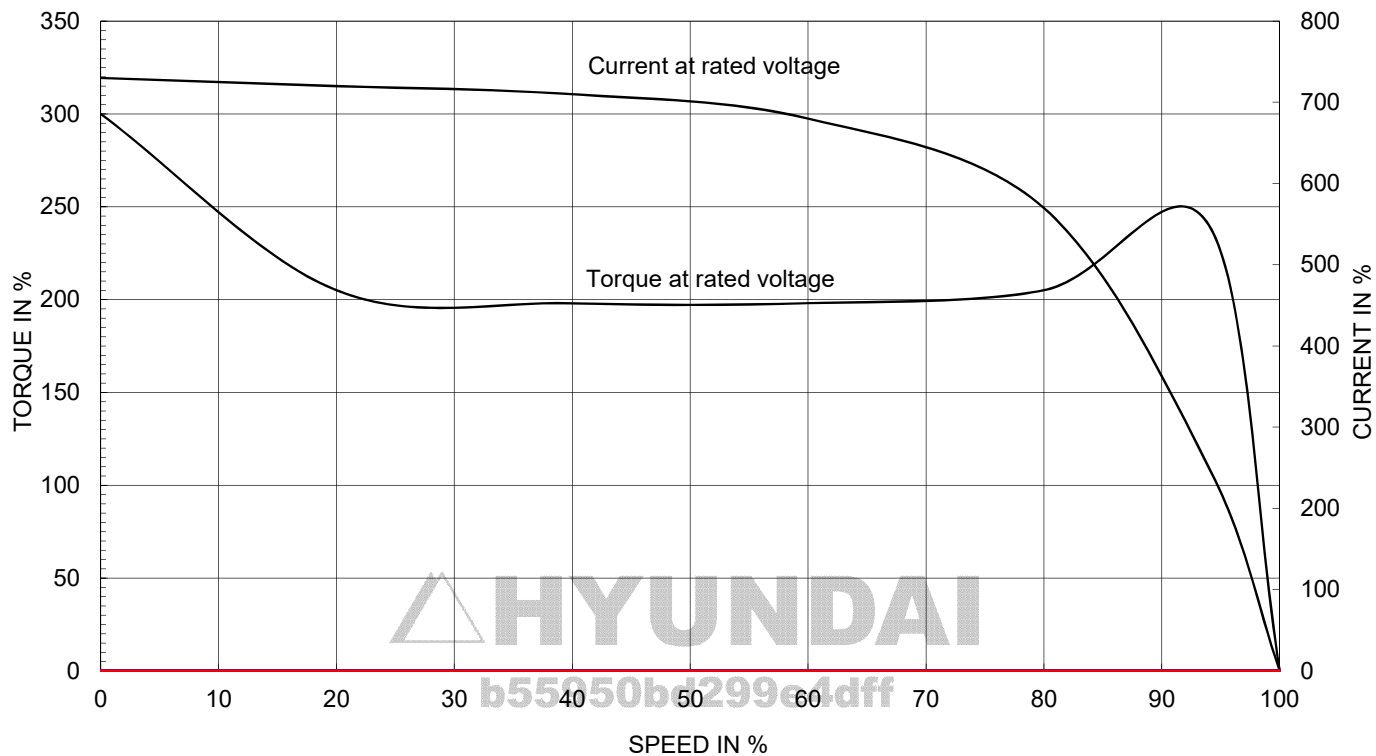
# AC INDUCTION MOTOR DATA SHEET

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		80M		Rated Output		0.75 kW 1 HP			
Type		HLP-0.75/4		Number of Poles		4			
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 1.5 A 1.7 A 2.9 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)				Efficiency					
at 1.0 S.F 80 °C				50% Load 78.5 %					
Motor Location <input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor				75% Load 82.6 %					
Altitude Less than 1000m				100% Load 83.5 %					
Relative Humidity Less than 80 %				Power Factor(p.u)					
Ambient Temp. 40 °C MAX.				50% Load 0.583					
Duty Type Continuous(S1)				75% Load 0.708					
Service Factor 1.15				100% Load 0.800					
Mounting <input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5				Speed at Full Load 1730 r.p.m					
Bearing Type Anti-Friction				Torque					
DE/N-DE 6204ZZ / 6203ZZ				Full Load 0.4 kg.m					
Lubricant Grease(HIFLEX L-3)				Locked-rotor** 300 %					
External Thrust Not applicable				Breakdown** 240 %					
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.) 0.633381503 kg·m²					
Terminal Box Main <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron				Motor 0.002 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				56 dB(A)					
Application				Vibration 1.6 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. Pantan279C					
<b>ACCESSORIES</b>				<b>SUBMITTAL DRAWING</b>					
				Outline Dimension Drawing \ Motor Weight(Approx.)					
				B3				kg	
				B5		LM-A1080B5P3V01		18 kg	
				V1				kg	
				B3/B5				kg	
				Main T-Box Ass'y 3M-148548					
				<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		---	

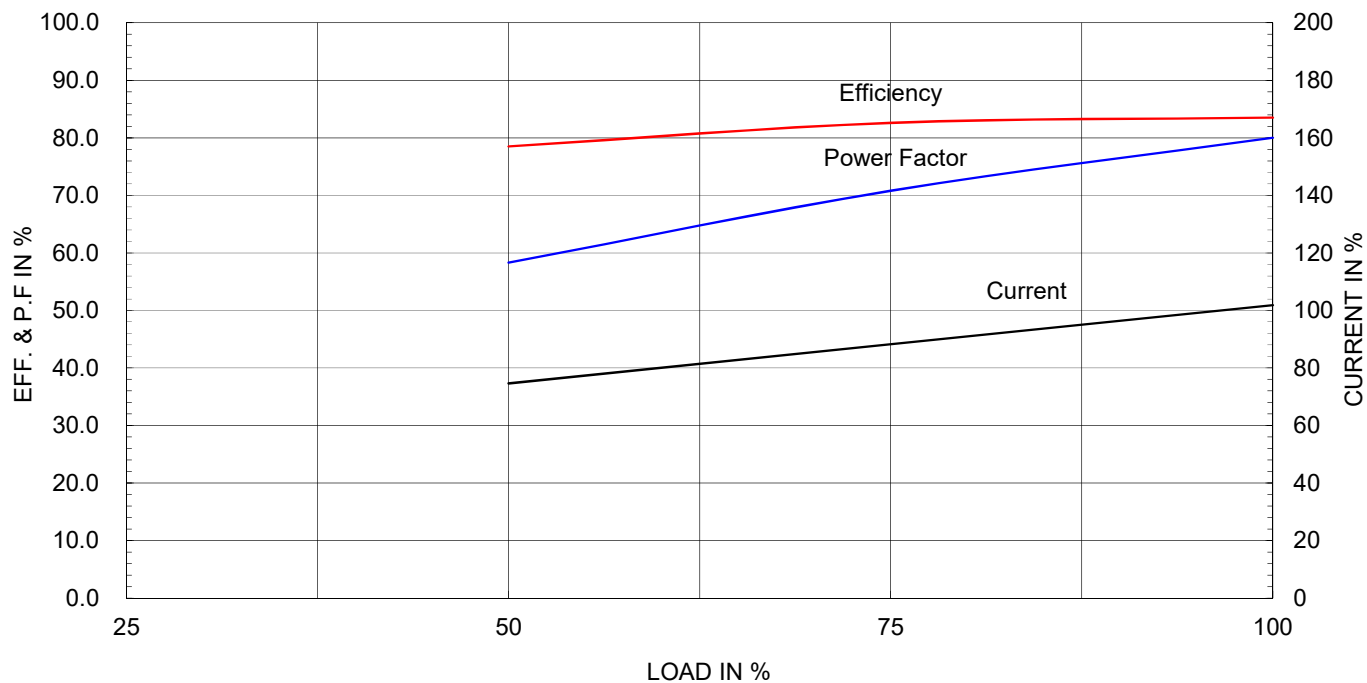
Type	:	HLP-0.75/4
Full Load Torque :	0.4	Kg-m
Load moment of Inertia (J) :	0.633	Kg-m <sup>2</sup>
Motor moment of Inertia (J) :	0.0020	Kg-m <sup>2</sup>

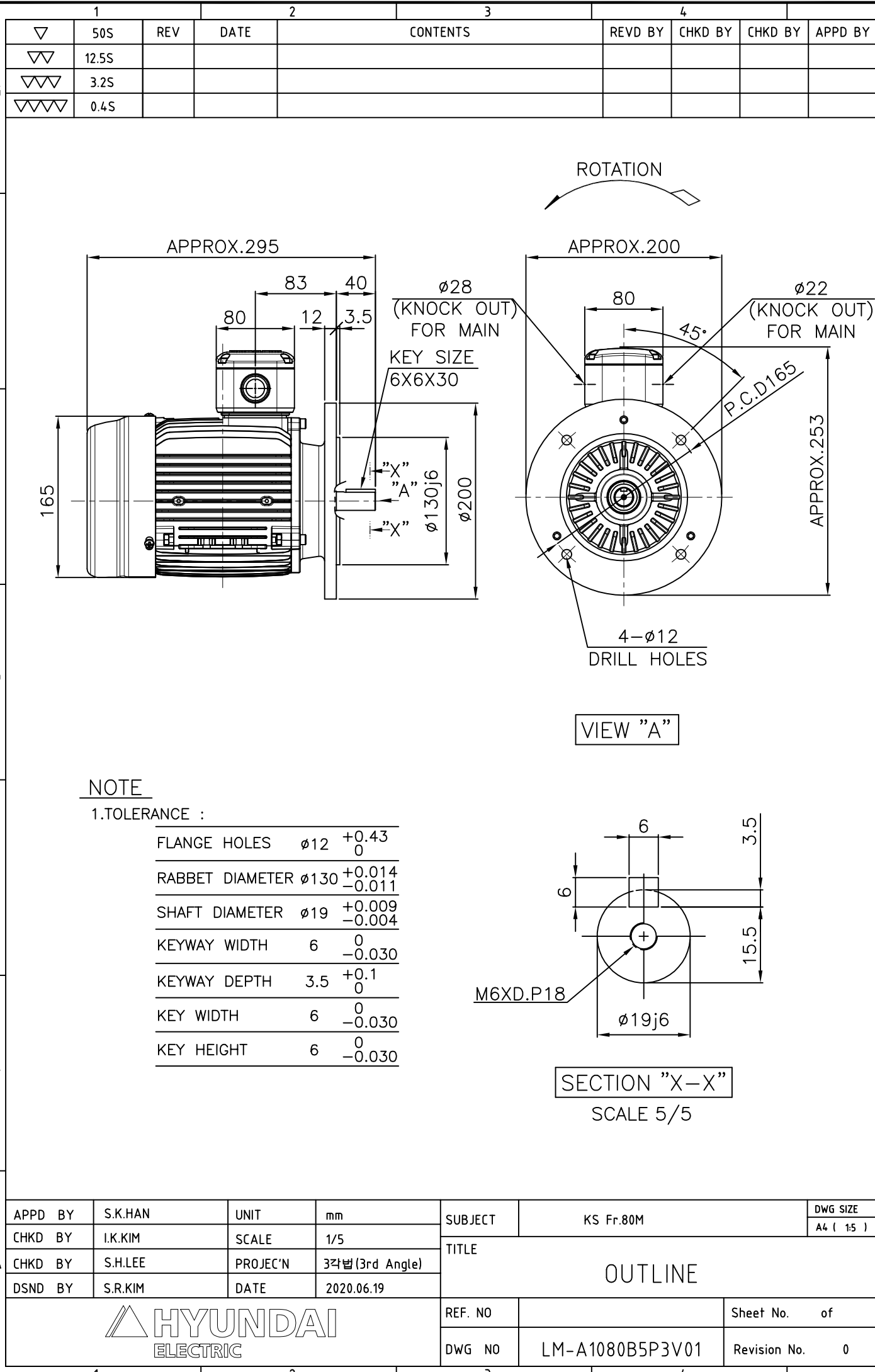
0.75kW	1HP	4P	60 Hz
Speed at Full Load : 1730 RPM			
Rated Voltage	440V	380V	220V
Full Load Current	1.5A	1.7A	2.9A


SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE





APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS Fr.80M	DWG SIZE
CHKD BY	I.K.KIM	SCALE	1/5	TITLE		A4 ( 15 )
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-A1080B5P3V01	Revision No. 0

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