

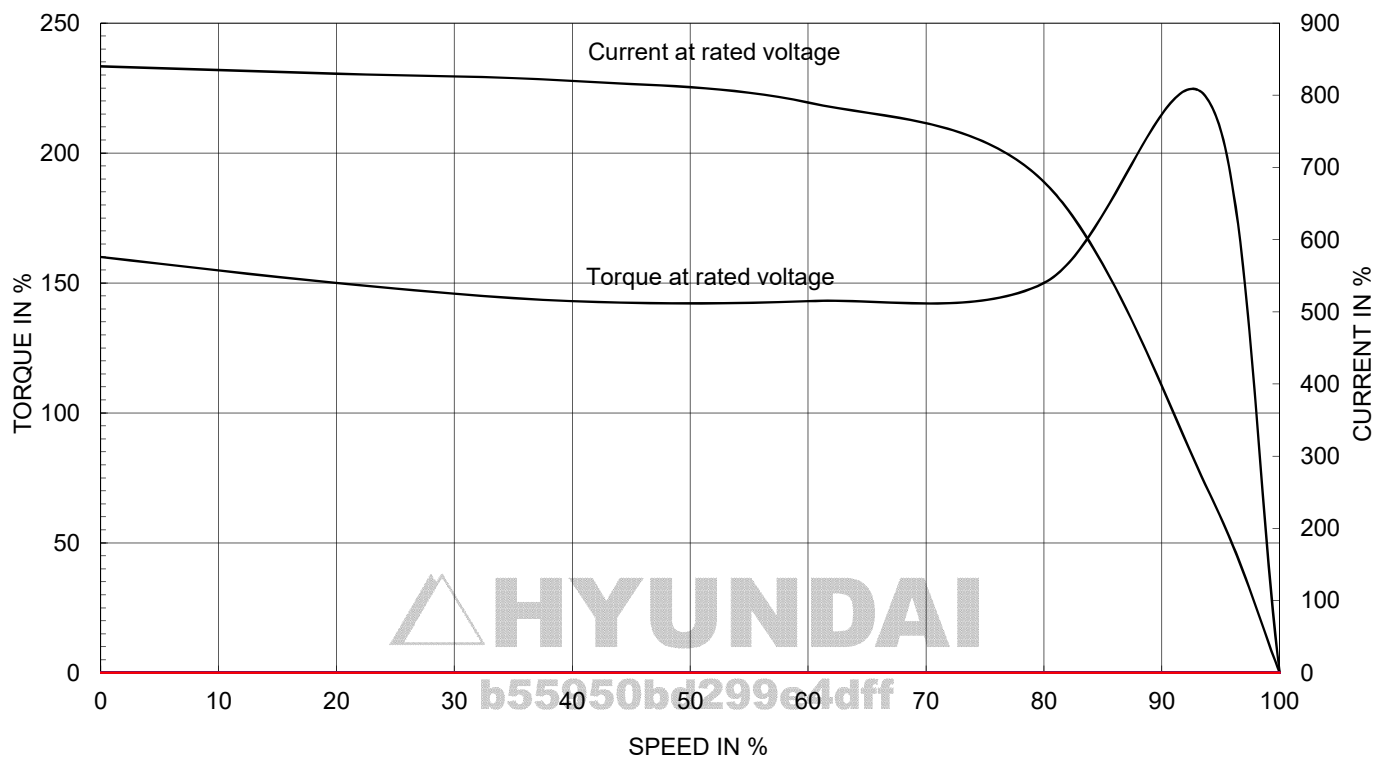
AC INDUCTION MOTOR DATA SHEET

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		18.5 kW 25 HP			
Type		HLP-18.5/6		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 33.6 A 38.9 A 67.2 A			
Insulation Class		<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**		840 % 840 % 840 %			
Temp. Rise at full load (by resistance method)				Efficiency					
at 1.0 S.F		80 °C		50% Load		92.4 %			
Motor Location		<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		75% Load		93.1 %			
Altitude		Less than 1000m		100% Load		93.0 %			
Relative Humidity		Less than 80 %		Power Factor(p.u)					
Ambient Temp.		40 °C MAX.		50% Load		0.599			
Duty Type		Continuous(S1)		75% Load		0.716			
Service Factor		1.15		100% Load		0.777			
Mounting		<input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5		Speed at Full Load		1175 r.p.m			
Bearing		Type Anti-Friction		Torque					
		DE/N-DE 6312ZZC3 / 6310ZZC3		Full Load		15.3 kg.m			
		Lubricant Grease(Polyrex-EM)		Locked-rotor**		160 %			
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.)		33.73770213 kg·m²			
Terminal Box		Main <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Motor		0.257 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				68 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		---	

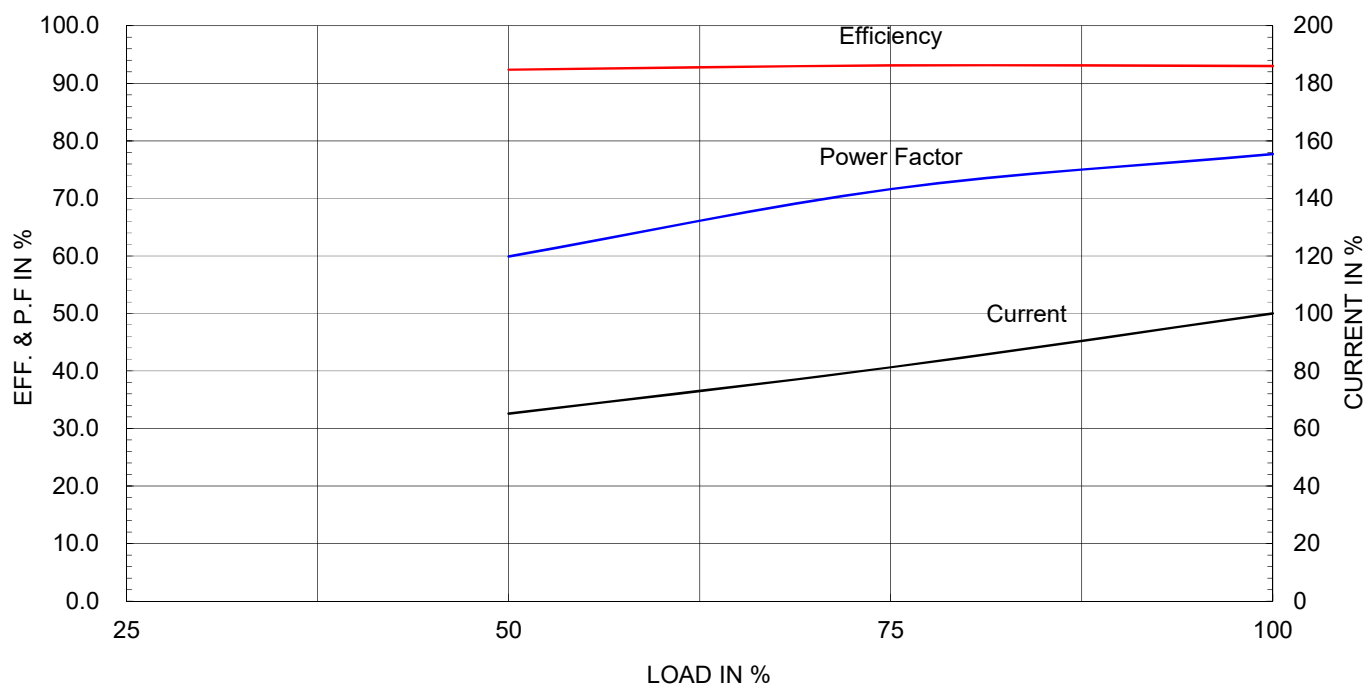
Type	:	HLP-18.5/6
Full Load Torque :	15.3	Kg-m
Load moment of Inertia (J) :	33.738	Kg-m ²
Motor moment of Inertia (J) :	0.257	Kg-m ²


18.5kW	25HP	6P	60 Hz
Speed at Full Load :			1175 RPM
Rated Voltage	440V	380V	220V
Full Load Current	33.6A	38.9A	67.2A

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

