

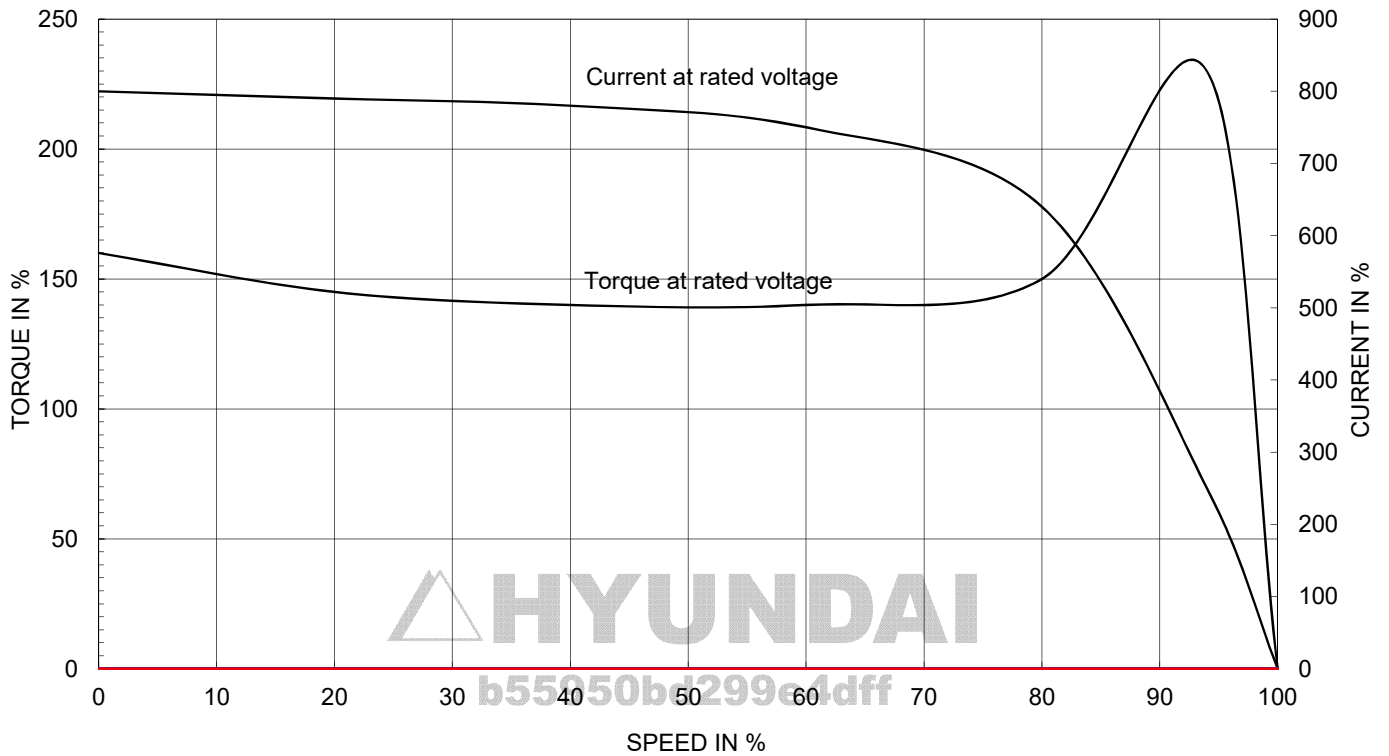
AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item No.		Rev. No.		[0]							
Project Name		Project No.		Quantity		set							
GENERAL SPECIFICATION				PERFORMANCE DATA									
Frame Size		200L		Rated Output		37 kW 50 HP							
Type		HLP-37/2		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 58.0 A 67.2 A 116.0 A							
Insulation Class		☒ F ☐ B ☐ H		Locked-rotor**		800 % 800 % 800 %							
Temp. Rise at full load (by resistance method)				Efficiency									
at 1.0 S.F		80 °C		50% Load		92.0 %							
Motor Location		☒ Indoor ☐ Outdoor		75% Load		93.2 %							
Altitude		Less than 1000m		100% Load		93.0 %							
Relative Humidity		Less than 80 %		Power Factor(p.u)									
Ambient Temp.		40 °C MAX.		50% Load		0.865							
Duty Type		Continuous(S1)		75% Load		0.890							
Service Factor		1.15		100% Load		0.900							
Mounting		☐ B3 ☒ B5 ☐ V1 ☐ B3/B5		Speed at Full Load		3560 r.p.m							
Bearing		Type Anti-Friction		Torque									
		DE/N-DE 6212ZC3 / 6212ZC3		Full Load		10.1 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.)		12.14764045 kg·m²							
Terminal Box		Main ☐ Steel ☒ Cast Iron		Motor		0.18 kg·m²							
		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-T1205B3CLV01		297 kg					
				V1				kg					
				B3/B5				kg					
				Main T-Box Ass'y		3M-145864							
				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	

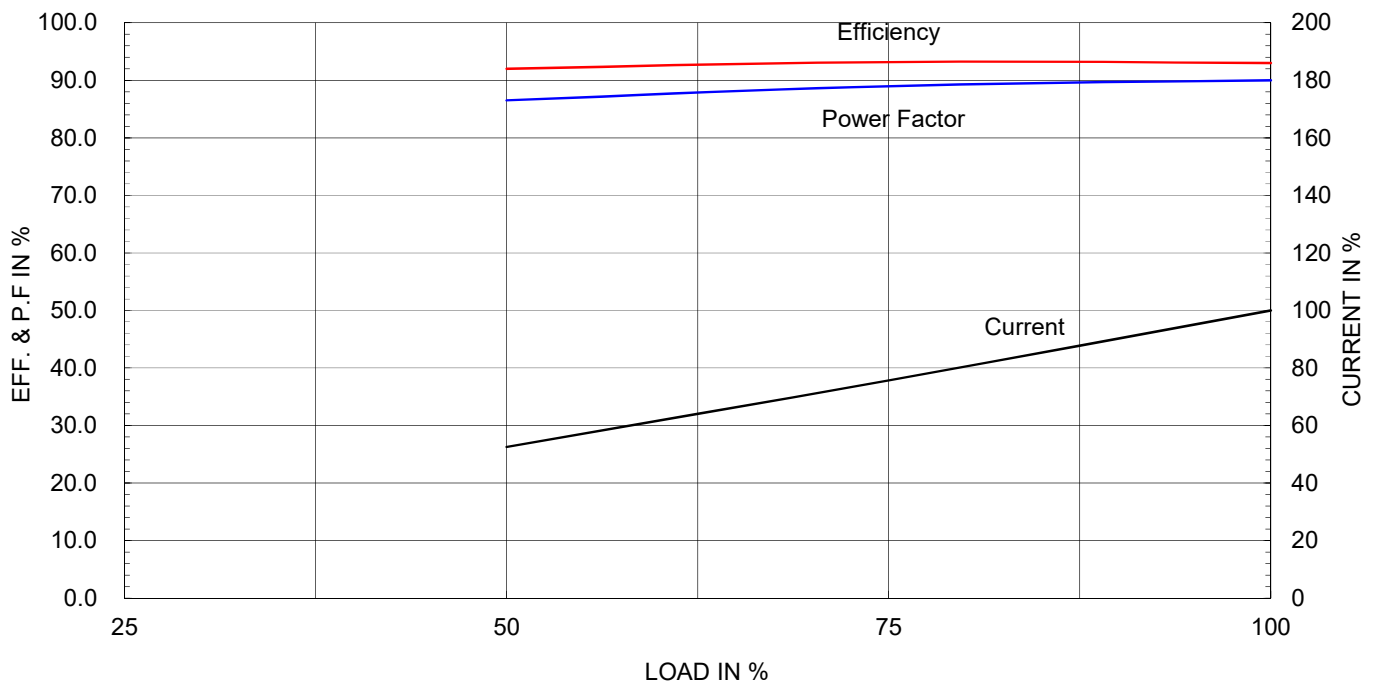
Type :	HLP-37/2
Full Load Torque :	10.1 Kg-m
Load moment of Inertia (J) :	12.148 Kg-m ²
Motor moment of Inertia (J) :	0.180 Kg-m ²

37kW	50HP	2P	60 Hz
Speed at Full Load : 3560 RPM			
Rated Voltage	440V	380V	220V
Full Load Current	58.0A	67.2A	116.0A

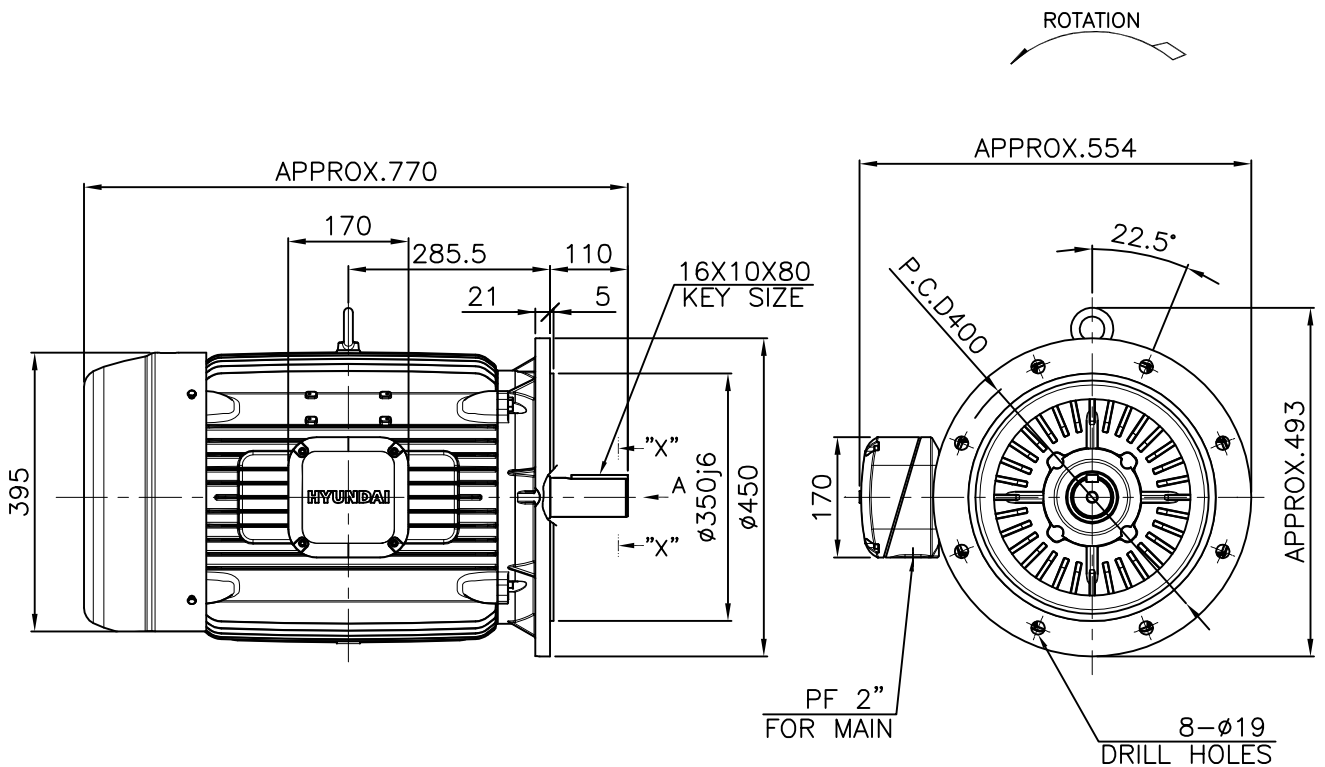
SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE



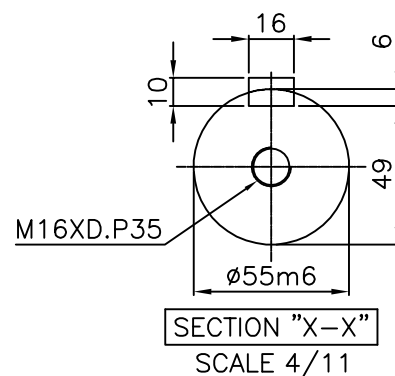
1			2		3		4		
▽	50S	REV	DATE	CONTENTS		REVD BY	CHKD BY	CHKD BY	APPD BY
▽▽	12.5S								
▽▽▽	3.2S								
▽▽▽▽	0.4S								



NOTE

1.TOLERANCE :

FLANGE HOLE	$\varnothing 19^{+0.52}_0$
RABBET DIAMETER	$\varnothing 350 \pm 0.018$
SHAFT DIAMETER	$\varnothing 55^{+0.030}_{+0.011}$
KEYWAY WIDTH	$16^{0}_{-0.043}$
KEYWAY DEPTH	$6^{+0.2}_0$
KEY WIDTH	$16^{0}_{-0.043}$
KEY HEIGHT	$10^{0}_{-0.090}$



APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS Fr.200L-2P	DWG SIZE
CHKD BY	I.K.KIM	SCALE	1/11	A4 (1:11)		
CHKD BY	S.H.LEE	PROJEC'N	3각법(3rd Angle)	TITLE OUTLINE		
DSND BY	S.R.KIM	DATE	2020.06.19			
				REF. NO		Sheet No. of
				DWG NO	LM-T1205B5CLV01	Revision No. 0

