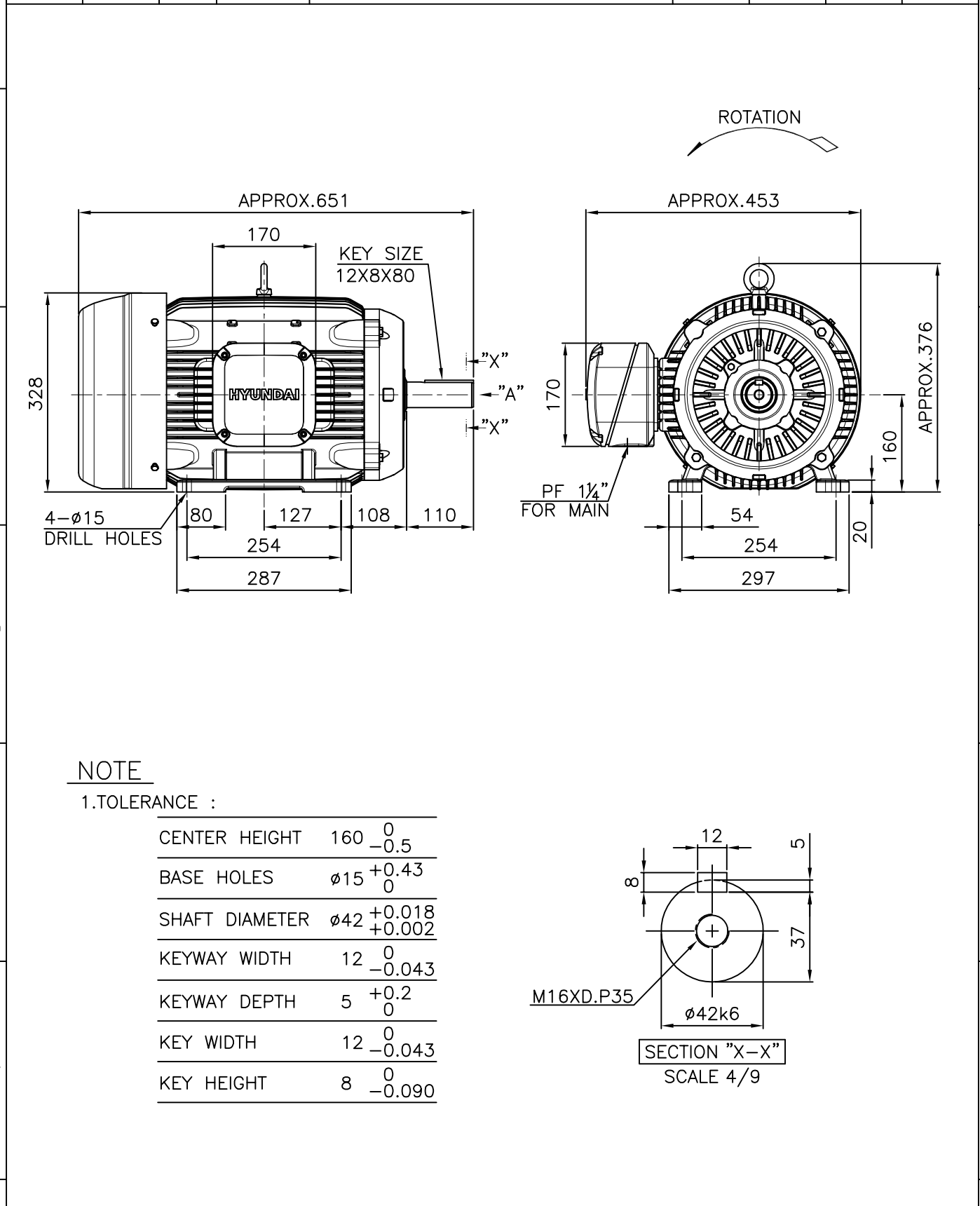


AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item No.		Rev. No.		[0]		
Project Name		Project No.		Quantity		set		
GENERAL SPECIFICATION				PERFORMANCE DATA				
Frame Size		160L		Rated Output		15 kW 20 HP		
Type		HLP-15/4		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 26.0 A 30.1 A 51.9 A Locked-rotor** 850 % 850 % 850 %		
Insulation Class		<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Efficiency		50% Load 92.5 % 75% Load 93.2 % 100% Load 93.0 %		
Temp. Rise at full load (by resistance method)		at 1.0 S.F 80 °C		Power Factor(p.u)		50% Load 0.700 75% Load 0.780 100% Load 0.815		
Motor Location		<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		Speed at Full Load		1775 r.p.m		
Altitude		Less than 1000m		Torque		Full Load 8.2 kg.m Locked-rotor** 200 % Breakdown** 240 %		
Relative Humidity		Less than 80 %		Moment of Inertia (J)		Load(Max.) 12.34647887 kg·m² Motor 0.111 kg·m²		
Ambient Temp.		40 °C MAX.		Sound Pressure Level (No-load & mean value at 1m from motor)		64 dB(A)		
Duty Type		Continuous(S1)		Vibration		2.2 mm/sec(r.m.s)		
Service Factor		1.15		Permissible number of consecutive starts		Cold 3 times Hot 2 times		
Mounting		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5		Paint		Munsell No. Panton279C		
Bearing		Type Anti-Friction DE/N-DE 6309ZZC3 / 6309ZZC3 Lubricant Grease(Polyrex-EM)						
External Thrust		Not applicable						
Coupling Method		<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt						
Shaft Extension		<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double						
Terminal Box		Main <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron Aux. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Location Refer to Outline Drawing						
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		LM-T1165B3PLV01	136 kg	
				B5			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	CHKD	APPD
				2018-11-23	R.G. KIM	---	O.J. KIM	S.K.HAN

1	2	3	4
▽	50S	REV	DATE
▽▽	12.5S		
▽▽▽	3.2S		
▽▽▽▽	0.4S		



APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS, IEC Fr.160L	DWG SIZE
CHKD BY	S.Y.KIM	SCALE	1/9			A4 (1:9)
CHKD BY	I.K.KIM	PROJEC'N	3각법 (3rd Angle)	TITLE	OUTLINE	
DSND BY	S.H.LEE	DATE	2019.06.17			
HYUNDAI ELECTRIC				REF. NO		Sheet No. of
				DWG NO	LM-T1165B3PLV01	Revision No. 0