



AC INDUCTION MOTOR DATA SHEET

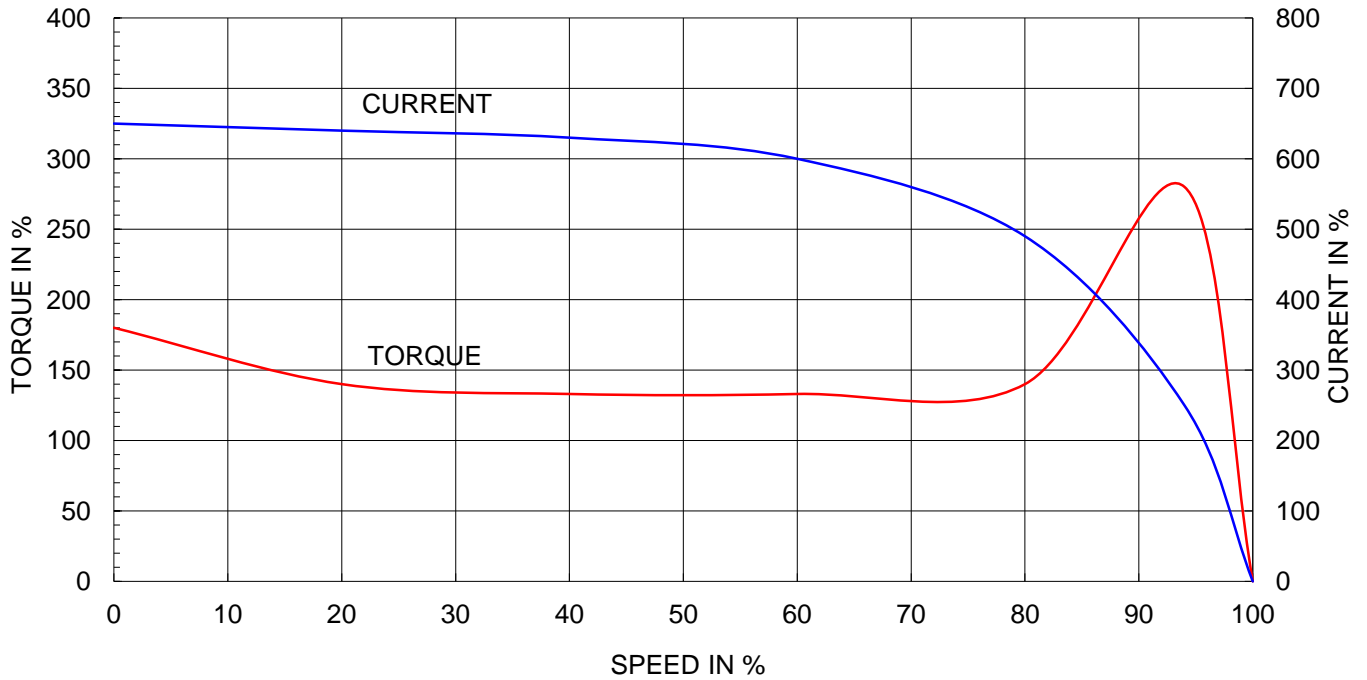
Model No.or RFQ No.		Item No.		Rev. No. [0]				
Project Name		Project No.		Quantity sets				
GENERAL SPECIFICATION			PERFORMANCE DATA					
Frame Size	132S		Rated Output	7.5 kW 10 HP				
Type	HS		Number of Poles	2				
Enclosure(Protection)	Totally Enclosed (IP55)		Rotor Type	Squirrel Cage				
Method of 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	12.9 A 15.0 A 25.9 A			
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**	650 %	650 % 650 %			
Temp. Rise at full load (by resistance method)	at 1.0 S.F 80 deg. C		Efficiency	50% Load 86.8 %				
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor			75% Load 89.0 %				
Altitude	Less than 1000 meter			100% Load 89.5 %				
Relative Humidity	Less than 80 %		Power Factor(p.u)	50% Load 0.737				
Ambient Temp.	40 deg. C (Max.)			75% Load 0.810				
Duty Type	Continuos (S1)			100% Load 0.850				
Service Factor	1.15		Speed at Full Load	3525 r.p.m				
Mounting	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5		Torque	Full Load 2.1 kg·m				
Bearing	Type	Anti-Friction		Locked-rotor** 180 %				
	DE/N-DE	6208ZZC3 / 6208ZZC3		Breakdown** 280 %				
	Lubricant	Grease(Polyrex-EM)		Moment of Inertia (J)				
External Thrust	Not applicable			Load(Max.) 1.600 kg·m ²				
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt			Motor 0.019 kg·m ²				
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double		Sound Pressure Level (No-load & mean value at 1m from motor)	76 dB(A)				
Terminal Box	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Aluminium		Vibration 1.6 mm/sec (r.m.s)				
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Permissible number of consecutive starts				
	Location	Refer to Outline Drawing		Cold 3 times				
Application			Hot 2 times	Paint Munsell No. 4.0PB5.4/5.5(VL-451)				
Area classification	Non-Hazardous		SUBMITTAL DRAWING					
Type of Ex-Protection	Not applicable		Outline Dimension Drawing \ Motor Weight(Approx.)					
Applicable Standard	KS,IEC,NEMA MG1 Part30(Vpeak)		B3	227B2003AB03	55 kg			
ACCESSORIES			Main T-Box Ass'y 227B9003CB					
SPARE PARTS			REMARK					
			High Efficiency			* For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise		
			Date	DSND	CHKD	CHKD	APPD	
			2011-04-14	W.H.BACK	S. J. RA	O. J. KIM	J. H. KIM	

Note: Others not mentioned in this data sheet shall be in accordance with maker standard.
 Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.
 Inspection and performance test shall be maker standard, if not mentioned.
 * In case of Inverter-Fed Motor, performance data is based on sine wave tests.
 ** Data is based on when the motor is supplied at rated voltage & frequency. and the data is expressed as a percentage of full-load value.

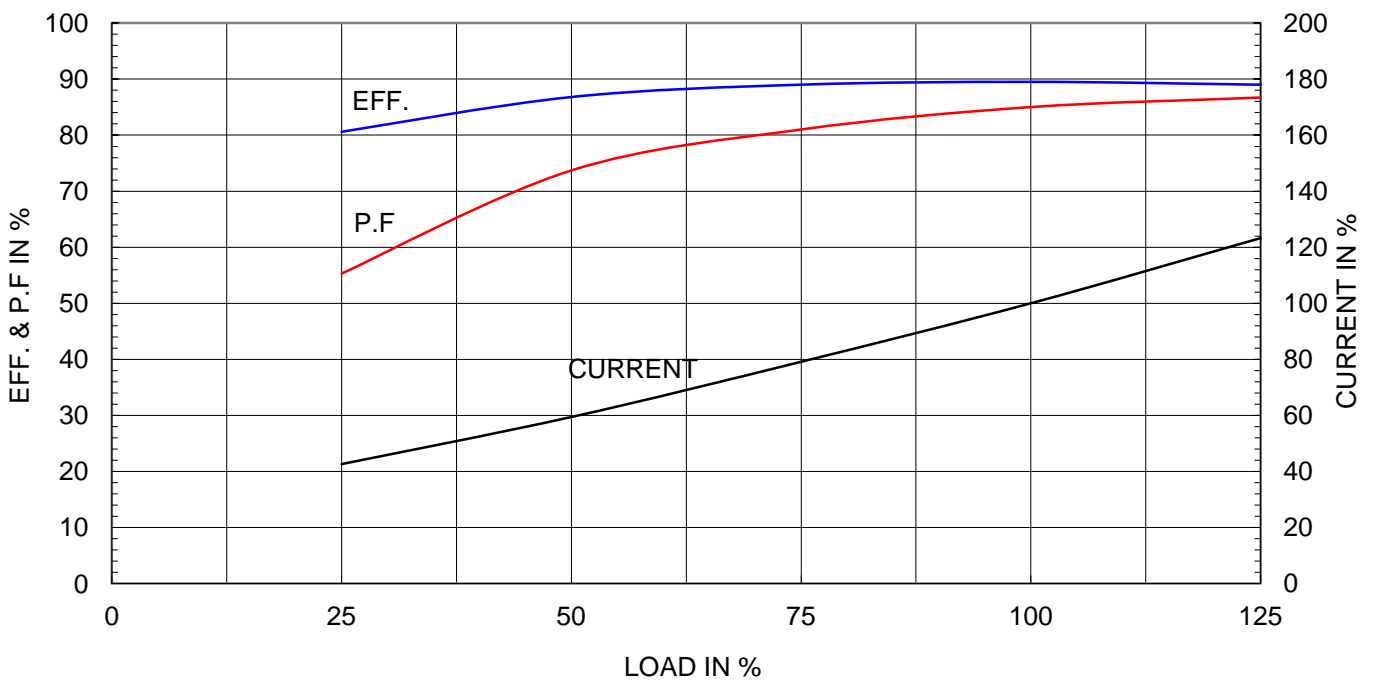
Type	:	HS
Full Load Torque	:	2.1 Kg.m
Motor moment of Inertia (J)	:	0.019 Kg.m ²
Load moment of Inertia (J)	:	1.600 Kg.m ²

7.5 kW	2 P	60 Hz	
Speed at Full Load :		3525 RPM	
Rated Voltage	440V	380V	220V
Full Load Current	12.9A	15.0A	25.9A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE





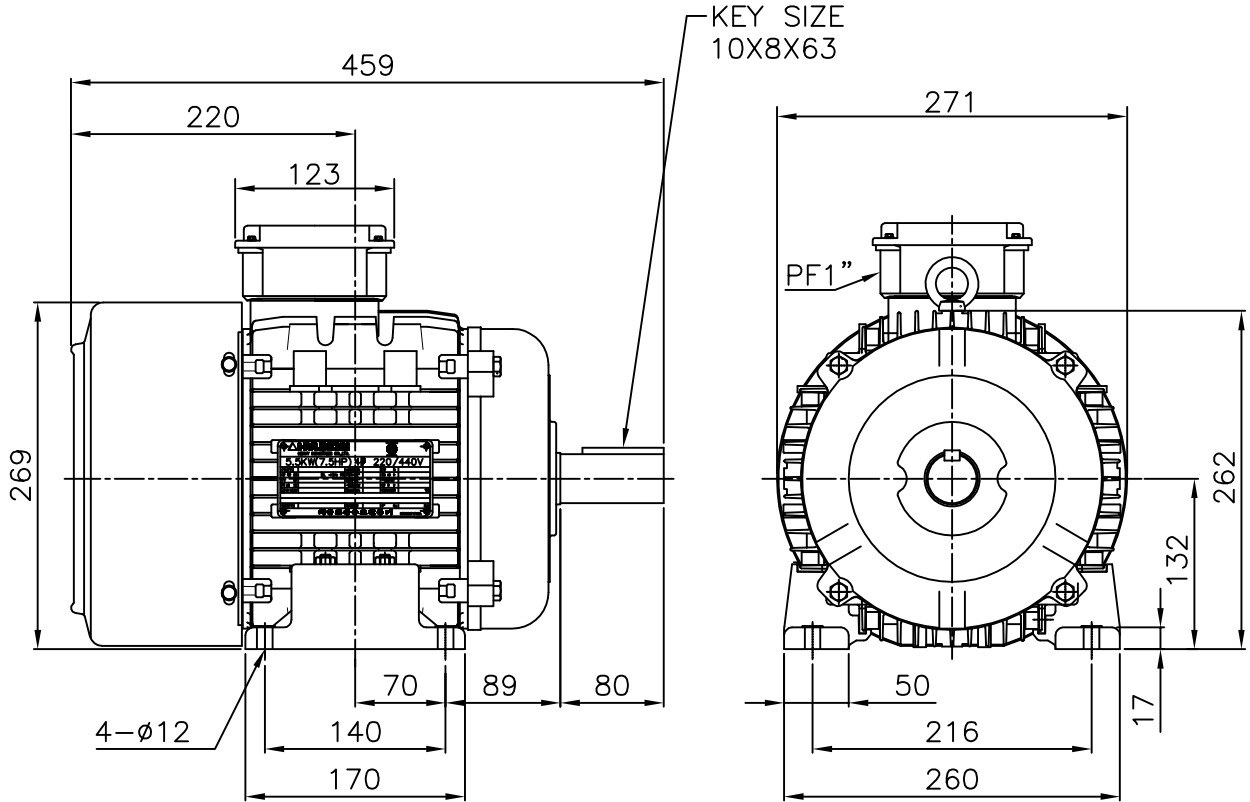
TEFC

THREE PHASE INDUCTION MOTOR

TYPE

HL, HLS

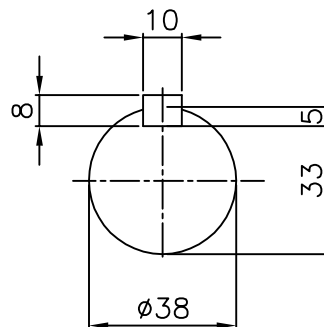
Aluminium FRAME



NOTE

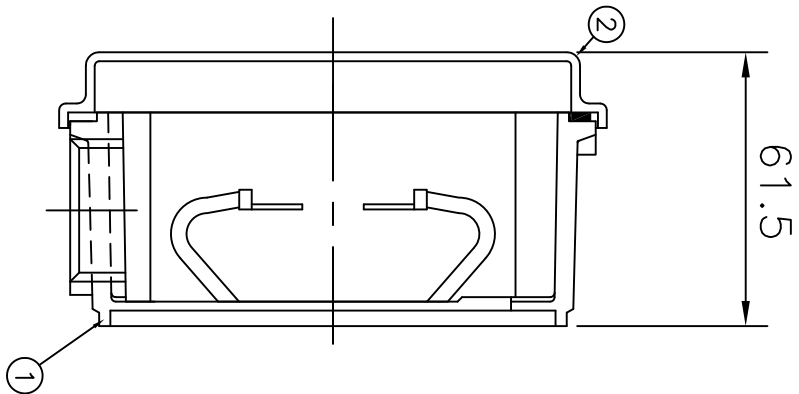
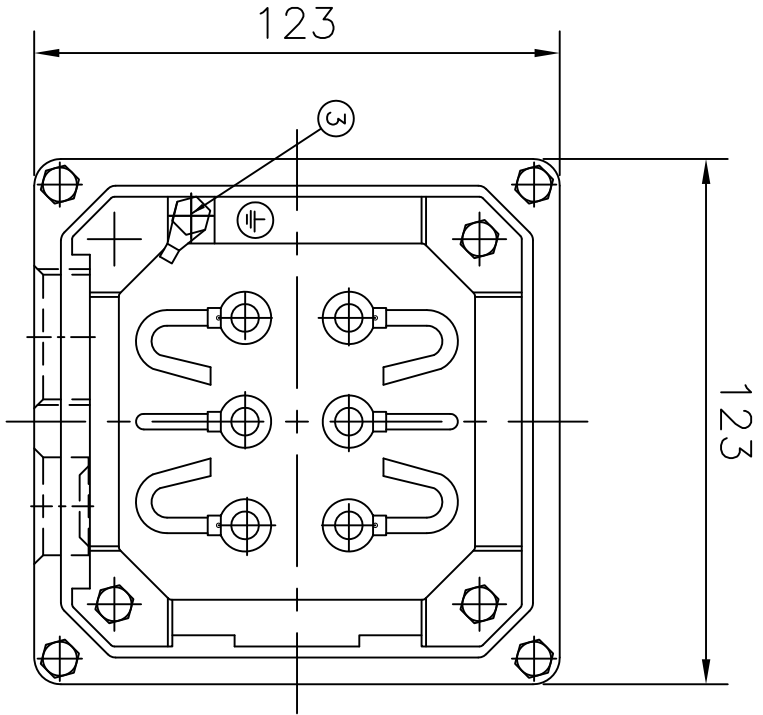
1.TOLERANCE :

CENTER HEIGHT	132	⁺⁰ _{-0.5}
BASE HOLES	φ12	^{+0.43} ₋₀
SHAFT DIAMETER	φ38	^{+0.018} _{+0.002}
KEYWAY WIDTH	10	⁺⁰ _{-0.036}
KEYWAY DEPTH	5	^{+0.2} ₋₀



Aluminium CONDUIT BOX

APPD BY		UNIT	mm	SUBJECT	KS 132S	CAD PROJ \ FILE	
CHKD BY		SCALE	1/6			XSDNKS\B2000AC03	
CHKD BY	S. W. SEO	PROJEC'N	3rd Angle	TITLE OUTLINE			
DSND BY	J. S. JEONG	DATE	2009.8.11				
				REF. NO	B2000AB03	Sheet No.	of
				DWG NO	227B2003AB03	Revision No.	0



PT	DESPRIPTION	MATERIAL	Q'TY
1	CONDUIT BOX	ALDCCS8	1
2	CONDUIT BOX COVER	ALDCCS8	1
3	GROUND TERMINAL BOLT & LUG	CU	1

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY
1						
2						
3						
4						

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY	UNIT	mm					
CHKD BY	SCALE	N/S					
CHKD BY	PROJEC'N	3 (3rd Angle)					
DSND BY	DATE	2008.3.5					
TITLE		CONDUIT BOX ASS'Y					
REF. NO	227B9003CB2		Sheet No.	of			
DWG NO	227B9003CB2		Revision No.	0			



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