

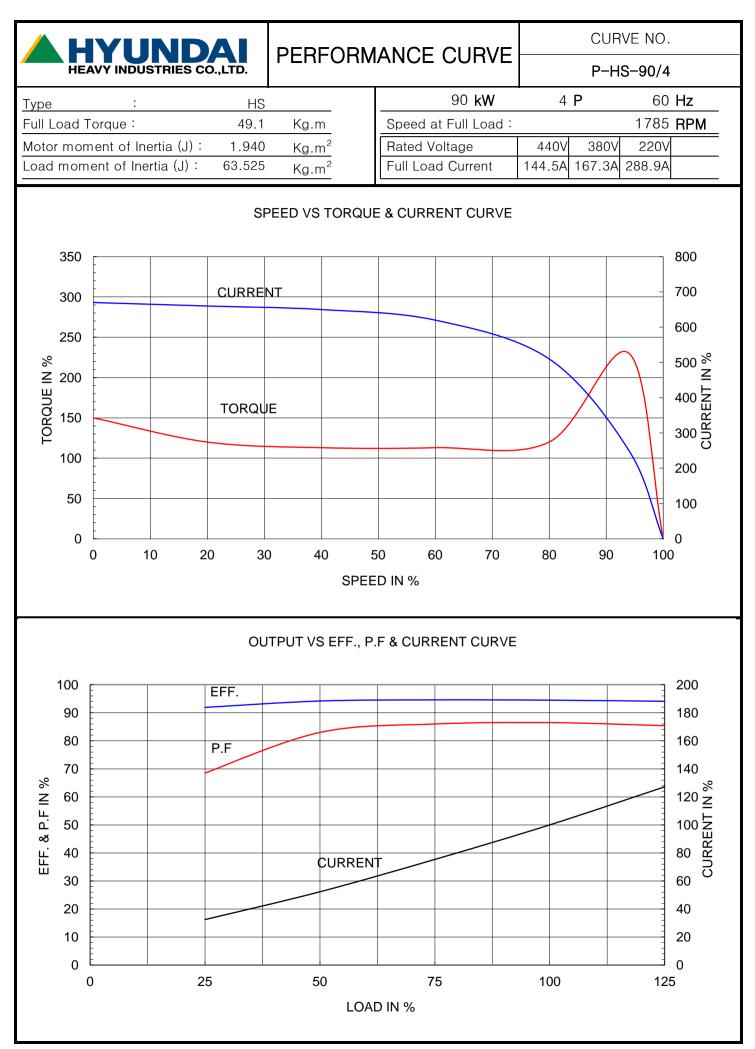
AC INDUCTION MOTOR DATA SHEET

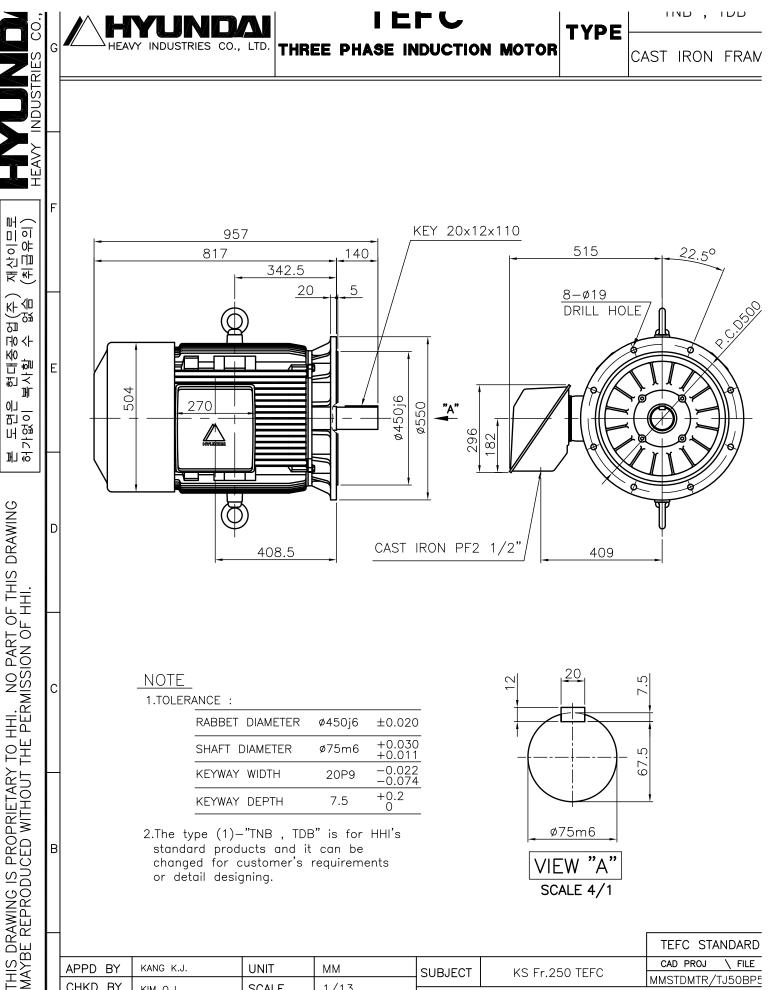
116/	AVY INDUSTRIES (CO.,LTD.									
Model No	.or RFQ No.			Item N	0.		Rev. N	lo. [0]	
	Project Name Project			No.		Quantity sets					
(GENERAL S	PECIFICATI	ON	- · · ·		PERFOR	MANCE DA	ŤA			
Frame Siz	e	250M			Rated Out	put	90	kW 1	20 HP		
Туре		HS-90/4			Number of Poles		4				
Enclosure(Protection)		Totally Enclosed (IP55)		Rotor Type		Squirrel Cage					
Method of Cooling		IC411(FC)		Starting Method*							
Rated Free	quency	60 Hz			Rated Volt	tage				220	
Number of Phases		3			Current	Full Load			28	88.9	
Insulation	Class	■ F □	В] H		Locked-rotor**	<			670	
Temp. Ris	e at full load (by resistance n	nethod)		Efficiency						
at	1.0 S.F	80 deg.	С			50% Load	94.2	%			
Motor Loc	cation	Indoor	🗌 Out	door		75% Load	94.6	%			
Altitude		Less than 1000 meter		100% Load 94.5 %			%				
Relative H	lumidity	Less than 80 %		Power Fac	tor(p.u)						
Ambient T	Cemp.		<mark>40</mark> deg. C	(Max.)	1 [50% Load	0.830				
Duty Type		Continuous (S	1)			75% Load	0.860				
Service Fa	ictor	1.15] [100% Load	0.865				
Mounting		🗆 B3 🔳 B	5 🗌 V1	B3/B5	Speed at F	ull Load	1785	r.p.m			
0	Туре	Anti-Friction			Torque						
Bearing	DE/N-DE	6316C3	/ 6313	3C3		Full Load	49.1	kg∙m			
Ū	Lubricant	Grease(Gadus	s S2 V 100	2)		Locked-rotor**	< <u>150</u>	%			
External T	ĥrust	Not applicable		,		Breakdown**	230	%			
Coupling I	Method	Direct	V-B	lelt	Moment of	f Inertia (J)	1				
Shaft Extension		Single	Dou	ıble	-	Load(Max.)	63.525	kg ⋅m²			
Terminal	Main	□ Steel	Cast	t Iron	1	Motor		kg ·m²			
Box	Aux.	$\Box Yes No$		Sound Pressure Level (No-load & mean value at 1m from mot							
	Location	Refer to Outli	_	g	-	× ×		dB(A)			
Application				Vibration		2.2 mm/sec (r.m.s)					
Area classification		Non-Hazardo	us			e number of		times	,		
	x-Protection	Not applicable			consecutiv		Hot 2	times			
71		KS,IEC,NEMA		30(Vpeak)		Munsell No.	4.0PB5.4/5.5				
ACCESSO						SUBMIT	FAL DRAWI				
			1		Outline Dimension Drawing \ Motor Weight(Approx.)						
					Γ	B3				kg	
						B5	TJ50BP51		570	kg	
						V1				kg	
						B3/B5				kg	
					Main T-Bo		3M-016882			8	
					Intain 1 Do		5111 010002				
SPARE PARTS			REMARK		High Effici	onev					
SFARE FARTS					*. For use on PWM VFD 10:				n rico		
					*. For use of	n PWM VFD 10			np. rise		
						DSND	CHKD	CHKD	AP	PD	
					Date	DSND	CIIIID				
					Date 2010-05-2		O.J. KIM	J.H. KIM	K.J. K		

* 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.

HHI W230-131-1 * In case of Inverter or V.V.V.F Motor:Performance data is based on sine wave tests. A4(210mm X 297mm)

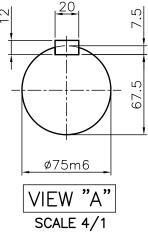




RABBET DIAMETER	ø450j6	±0.020
SHAFT DIAMETER	ø75m6	+0.030 +0.011
KEYWAY WIDTH	20P9	-0.022 -0.074
KEYWAY DEPTH	7.5	+0.2

2. The type (1)-"TNB , TDB" is for HHI's standard products and it can be changed for customer's requirements or detail designing.

В



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I	AF	PD BY	KANG K.J.	UNIT	ММ		SUBJECT	KS Fr.250 TEFC		CAD PRC	-	FILE
I	Cł	HKD BY	KIM O.J.	SCALE	1/13		TITLE			MMSTDMTR/TJ50BF		50BP5
	A CH	HKD BY	LEE N.D.	PROJEC'N	3rd Ang	gle						
I	DS	SND BY	KIM RYANG GYU	DATE	2007.03.2	23		MOTOR				
I							REF. NO	L3-Series		Sheet N	о.	of
I	HEAVY INDUSTRIES CO., LTD. INDUSTRIAL & POWER SYSTEMS				DWG NO	TJ50BP51 Revis		Revisior	ision No. 0			
1	-	1 2			3		4					

