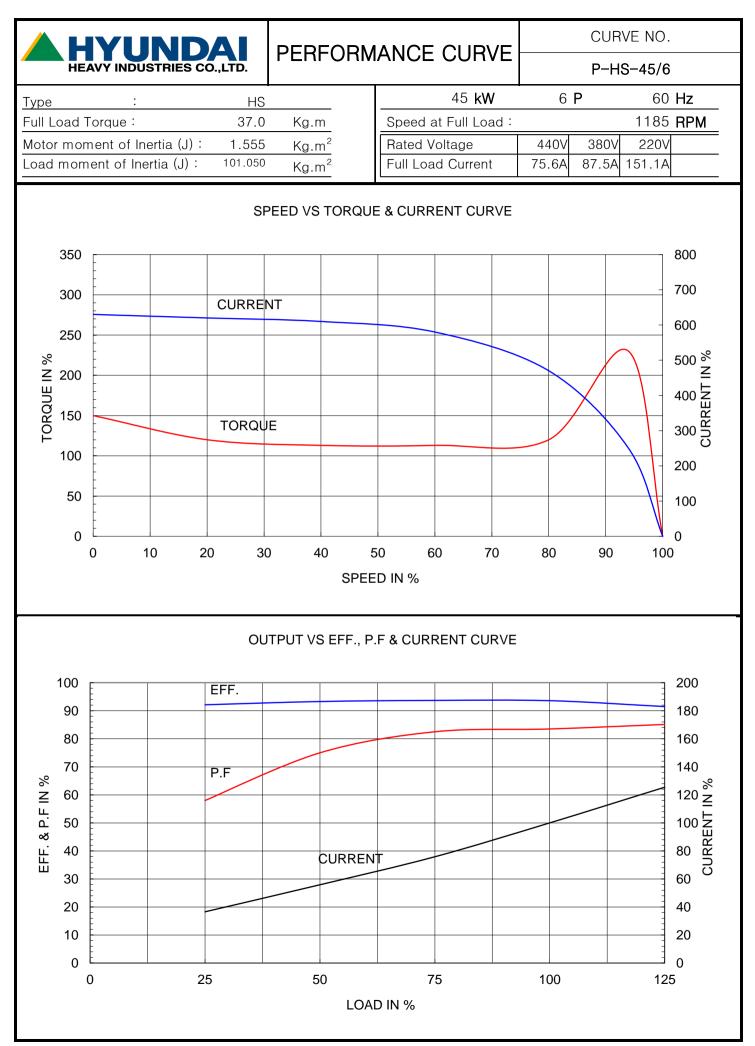


## AC INDUCTION MOTOR DATA SHEET

HE	<b>VY INDUSTRIES</b>	CO.,LTD.								
Model No.	or RFQ No.				Item No	).		Rev. N	lo. [	0 ]
Project Name					Project	No.		Quanti	ty se	ets
(	ENERAL S	PECIFIC	ATION	·			PERFOR	MANCE DAT	ГА	
Frame Size	e	225S				Rated Outp	ut	45	kW	60 HP
Туре		HS-45/6			Number of Poles		6			
Enclosure(Protection)		Totally Enclosed (IP55)			Rotor Type		Squirrel Cage			
Method of Cooling		IC411(FC)			Starting Method*		■ D.O.L □ Y- △			
Rated Frequency		60 Hz	Z			Rated Volta	ıge	440 V	380 V	220 V
Number of Phases		3				Current F	ull Load	75.6 A	87.5 A	151.1 A
Insulation Class		■ F □ B □ H				L	ocked-rotor**	630 %	630 %	630 %
Temp. Rise at full load (					Efficiency					
at 1.0 S.F		80 deg. C			50% Load 93.3 %					
Motor Location		☐ Indoor				75% Load	93.7			
Altitude		Less than 1000 meter			100% Load 93.6 %					
Relative H	•	Less than 80 %			Power Factor(p.u)					
Ambient Temp.		40 deg. C (Max.)				50% Load	0.750			
Duty Type		Continuous (S1)				75% Load	0.825			
Service Factor		1.15				100% Load	0.835			
Mounting		□ B3 □ B5 ■ V1 □ B3/B5			Speed at Full Load 1185 r.p.m					
Bearing	Туре	Anti-Fri	ction			Torque		-		
	DE/N-DE	6314C3	/	6213C3			ull Load		kg∙m	
	Lubricant	· · · · · · · · · · · · · · · · · · ·	Gadus S2 V	V 100 2)			ocked-rotor**			
External Thrust		Not applicable				reakdown**	230 %			
Coupling Method		Direct U-Belt			Moment of Inertia (J)					
Shaft Exte		Sing		Double			Load(Max.)	101.050		
Terminal	Main	<b>Stee</b>		Cast Iro	n		Motor		kg ∙m²	
Box	Aux.	☐ Yes		110		Sound Pres	sure Level (No			from motor)
	Location	Refer to Outline Drawing					73 dB(A)			
Application						Vibration			mm/sec (r.m	n.s)
Area classification		Non-Hazardous			Permissible					
Type of Ex-Protection		Not applicable KS,IEC,NEMA MG1 Part30(Vpeak)		consecutive starts		Hot 2 times				
Applicable Standard		KS,IEC,I	NEMA MG	1 Part30(V)	peak)	Paint N	lunsell No.	4.0PB5.4/5.5	· · · · · · · · · · · · · · · · · · ·	
ACCESSO	ORIES							AL DRAWI		•
						Outline Dir	nension Drawi	ng \	Motor Weig	
						_	B3			kg
						-	B5			kg
							V1	TJ25PP51		420 kg
							B3/B5			kg
					Main T-Box	Ass'y				
					DEMADIZ		TT*-1. T200-2			
SPARE PARTS							High Efficiency			
					*. For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise					
						Data	DOND	CUUD	CUUD	
						Date	DSND	CHKD	CHKD	APPD
						2010-05-28	R.G. KIM	O.J. KIM	J.H. KIM	K.J. KANG
						2010-03-20			J.11. 1X11VI	
Note: Others no	t mentioned in this	s data sheet sh	all be in accor	dance with ma	aker standar	d.	1	1	1	L
Above to	chnical data are or	nly design val	ues and shall b	e guaranteed	with toleran		tandard.			
-	n and performance									
	of Inverter-Fed M s based on when th	-				the data is expres	sed as a percentage	of full-load value		
Data I	, cused on when th			. onage & net	acticy. and	and data is explet	a percentage	or run-ioau value.		



RM-P251-133

