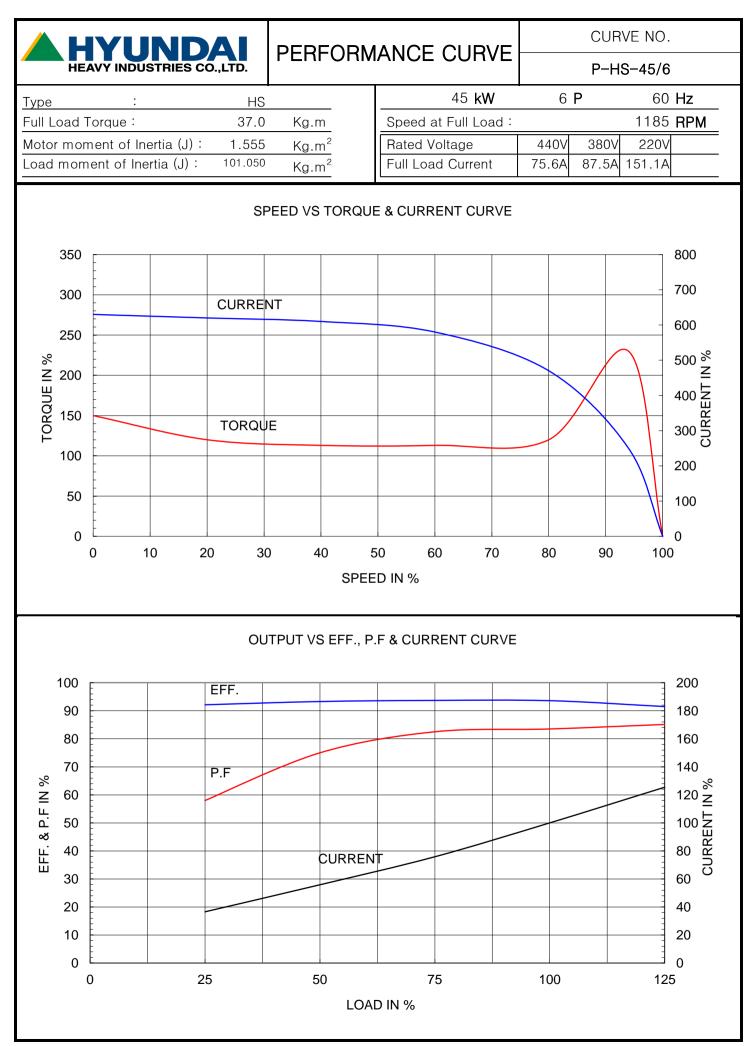


AC INDUCTION MOTOR DATA SHEET

HE	AVY INDUSTRIES	CO.,LTD.							
Model No.or RFQ No.			1	Item N	0.		Rev. N	o. [0]
Project Name				Project	ect No.		Quantity sets		
GENERAL SPECIFICATION					PERFORMANCE DATA				
Frame Size 2258					Rated Output45 kW60 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			Rated Voltage				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 Outdoor		or		75% Load	93.7 %		
Altitude		Less than 1000 meter			100% Load 93.6 %				
Relative Humidity		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			Torque		1		
	DE/N-DE	6314C3	· · · · · · · · · · · · · · · · · · ·			ull Load		kg∙m	
	Lubricant		Gadus S2 V 100 2)			ocked-rotor**			
External Thrust		Not applicable			reakdown**	230	%		
Coupling Method		Direct V-Belt		Moment of	~ /				
Shaft Exte		Sing				Load(Max.)	101.050		
Terminal	Main	Stee		on		Motor		kg∙m²	
Box	Aux.	☐ Yes ■ No			Sound Pressure Level (No-load & mean value at 1m from motor)				
	Location	Refer to Outline Drawing			73 dB(A)				
Application				Vibration		2.2 mm/sec (r.m.s)			
Area classification		Non-Hazardous		Permissible number of		Cold 3 times			
Type of Ex-Protection		Not applicable		consecutive starts		Hot 2 times			
Applicable Standard		KS,IEC,	NEMA MG1 Part30(V	peak)	Paint N	lunsell No.	4.0PB5.4/5.5	<u>,</u>	
ACCESSO	DRIES						AL DRAWI		•
					Outline Din	nension Drawi	ng \	Motor Weig	
					–	B3			kg
					–	<u>B5</u>			kg
					–	V1	TIOCOD51		kg
						B3/B5	TJ2SCP51		400 kg
					Main T-Box	Ass'y	3M-016881		
					DEMADIA				
SPARE PARTS							High Efficiency		
					*. For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise				
					Det	DOVD	CHIVD	CUIVD	
					Date	DSND	CHKD	CHKD	APPD
					2010-05-28	R.G. KIM	O.J. KIM	J.H. KIM	K.J. KANG
					2010-03-20		0.3. IXIIVI	J.11. IXIIVI	
Note: Others no	ot mentioned in this	data sheet s	nall be in accordance with m	naker standa	rd.	1	1	1	L
Above to	echnical data are or	nly design val	ues and shall be guaranteed	with tolerar		tandard.			
			maker standard, if not men						
		-	nance data is based on sine v pplied at rated voltage & free		the data is expres	sed as a percentage	of full-load value		
Data	a sused on when th	motor 15 Su	rrind at raited voltage & It	quency. and	. are data is expres	see as a percentage	or run-ioau value.		



RM-P251-133

