

## AC INDUCTION MOTOR DATA SHEET

	CIRIC									
Model No.o	or RFQ No.				Item No.			Rev. No.		[ 0 ]
Project Name					Project No.			Quantity		set
	GENER	AL SPEC	IFICATION			PER	FORMANCE	DATA		
Frame Size		112M			Rated Output		3.7 kV			5 HP
Туре		HKP-3.7/4		Number of Poles		4				
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		440		80 V	220 \	
Number of I		3		-	Full Load	6.8		7.9 A	13.6	
Insulation C		F	B	□ H		Locked-rotor**	800		$\frac{1.5}{00} \%$	800 9
		resistance method)		Efficiency		000	/0 00	70 70	000 ,	
	1.0 S.F	80 °C			50% Load	80	0.5 %		<u>.</u>	
Motor Locat		Indoor □ Outdoor		-	75% Load		0.0 %		<u>.</u>	
Altitude		Less than 1000m		┨ ┝-	100% Load		0.5 %			
Relative Humidity		Less than 80 %		Power Factor			.3 70			
Ambient Temp.		40 °C MAX.			50% Load	0.67	0			
X				┨ ┝						
Duty Type			Continuous(S1) 1.15		┨ ┝	75% Load	0.76			
Service Fact	lor				100% Load	0.80				
Mounting	T			V1 🗌 B3/B5	Speed at Full	Load	170	60 r.p.m		
	Туре	Anti-Friction			Torque			0.1		
Bearing	DE/N-DE	6206ZZC		6206ZZC3		Full Load		.0 kg.m		
	Lubricant		olyrex-EM)			Locked-rotor**		00 %		
External Th		Not applicable			Breakdown**	24	40 %			
Coupling M		Direct U-Belt		-	Moment of Inertia (J)					
Shaft Extens		Singl		Double	-	Load(Max.)	3.0714204			
Terminal	Main	□ Steel		Cast Iron		Motor		13 kg∙m²		
Boy	Aux.	□ Yes ■ No		Sound Pressure Level (No-load & mean value at 1				n motor	)	
	Location	Refer to 0	Refer to Outline Drawing		ļ		64 dB(A)			
Application				Vibration			.6 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(Vpeak)		Paint		Panton279C				
ACCE	SSORIES						MITTAL DR.			
l					Outline Dime	ension Drawing		\ Moto	r Weigh	nt(Approx.)
l						B3	LM-T0113B	3PLV01		48 kg
l						B5				kg
						V1				kg
										č
1						B3/B5				kg
					Main T-Box A	B3/B5	3M-148549			
					Main T-Box A	B3/B5	3M-148549			
					Main T-Box A	B3/B5	3M-148549			
						B3/B5	3M-148549			
					RE	B3/B5 Ass'y	3M-148549			
					RE *.Premium	B3/B5 Ass'y CMARK		1.0S.F&F T	emp.ris	kg
					RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		1.0S.F&F T	'emp.ris	kg
					RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		1.0S.F&F T	'emp.ris	kg
					RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		1.0S.F&F T	'emp.ris	kg
					RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		1.0S.F&F T	'emp.ris	kg
					RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		1.0S.F&F T	emp.ris	kg
					RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		1.0S.F&F T	'emp.ris	kg
SD A DI	ε ραρτς				RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		1.0S.F&F T	èmp.ris	kg
SPARI	E PARTS	]			RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		1.0S.F&F T	èmp.ris	kg
SPARI	E PARTS	]			RE *.Premium *.For use o	B3/B5 Ass'y CMARK n Efficiency(IE3) on PWM VFD 10	:1VT,3:1CT@			e
SPARI	E PARTS	]			RE *.Premium	B3/B5 Ass'y CMARK n Efficiency(IE3)		01.0S.F&F T		kg
SPARI	E PARTS	]			RE *.Premium *.For use of Date	B3/B5 Ass'y CMARK n Efficiency(IE3) on PWM VFD 10 DSND	:1VT,3:1CT@	СНК	D	e APPD
SPARI	E PARTS	]			RE *.Premium *.For use o	B3/B5 Ass'y CMARK n Efficiency(IE3) on PWM VFD 10 DSND	:1VT,3:1CT@		D	e
	E PARTS mentioned in this da				RE *.Premium *.For use of Date	B3/B5 Ass'y CMARK n Efficiency(IE3) on PWM VFD 10 DSND	:1VT,3:1CT@ CHKD	СНК	ID IIM	e APPD

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.

\*\* The data are based on rated voltage & frequency, and data are expressed as a percentage of full load value.

HEES W230-131-1 \* In case of Inverter or V.V.V.F Motor:Performance data is based on sine wave tests.

