



Customer	:
Project Name	:
Project No.	:
Revision No.	:

SPECIFICATION for INDUCTION MOTOR





0		For Bidding			
No.	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY

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AC INDUCTION MOTOR DATA SHEET

Model Noor RFQ No. Item No. Rev. No. I <thi< th=""> I <thi< th=""> <t< th=""><th>— -</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<></thi<></thi<>	— -										
CENTRAL SPECTFICATION PERFORMANCE DATA Type PIP Rande Output 1.5 kW 2.0 HP Type PIP Number of Poles 4 Enclosure(Protection) Totally Enclosed / IPS5 Ratof Type Squirrel Cage Method of Cooling CAITICK) Stating Method / ZDO.L Q.V.A Number of Phases 3 Current Full Load 2.3 A 2.88 A 5.96 A Insulation Class Q F B H Current Full Load 2.3 A 2.88 A 5.96 A Insulation Class Q F B B H Current Full Load 2.3 A 2.88 A 5.96 A Attribude Less than 1000 meter Power Factorgai 3.0% B 3.0 % 8.30 % Attribude Less than 1000 meter Power Factorgai	Model No	o.or RFQ No.			Item No.			Rev. N	o. []	
Frame Size 14ST Rated Output 1.5 kW 2.0 HP Type PIP Number of Poles 4 Benclosure(Protection) Totally Enclosed / IPS5 Rotor Type Squirrel Cage 70.0.1. 74.0.2 Method of Cooling IC111(RC) Rated Voltage 57.5 V 460 V 230 V 208 A 5.96 A Insulation Class 2.7 B B H Locket cortor# 830 % 830 % 830 % 830 % 830 % 830 % 830 % 830 % 90.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	Project N	ame			Project No.			Quanti	ty	sets	
Frame Size [45T] Rated Output 1.5 kW 2.0 HP Type PIP Number of Poles 4 Bendostre(Protection) Totally Enclosed / IP55 Rotor Type Squirrel Cage Type Method of Cooling IC111(FC) Rated Frequency 60 ILz Rated Votage 575 V 400 V 230 V Number of Phases 3 Current Methods 2.39 A 2.39 A 5.96 A Insulation Class 2.5 F 80 Gene C 75% Load 83.5 % Motor Location 2 Indoor Outdoor Power Factor(Pa) 75% Load 85.5 % Aubient Temp. 40 deg. C (Max.) Dev Factor(Pa) 75% Load 0.580 Duty Type Continuos(S1) Speed at Full Load 1745 r.p.m 70% Load 0.3730 Bearing Dir.N-DE 62052ZC2 / 6204ZZC3 Forue Full Load 6.1 lb.ft Locked crotor* 245 % Termation 100% Load 0.378 hold 200 % Coupling Method 2 Direct V-Seit	(
Type PIP Number of Poles 4 Enclosure/Protection Troll percessor Squired Equency 60 Hz Rated Vorlage String Method* 7 [D.O.I. □ Y - △ Rated Verlag 575 VI 4.00 VI 2.30 VI Rated Vorlage 575 VI 4.00 VI 2.30 VI Number of Phases 3 Current Full Load 2.39 AI 2.59 AI 5.50 AI Torp. Kise at full load (by resistance method) Efficiency Efficiency S0% Load 855 % 100% Load 855 % Altitude Less than 100 meter 100% Load 855 % 100% Load 855 % Daty Type Continuous (S1) Soreir e Factor 1.0 50% Load 0.580 1.0 Mouning B3 Speed at Pull Load 1.745 r.p.m 100% Load 0.730 String Method Direct V-Beit Molent of face 1.0 1.0 String Method Direct V-Beit Molent of face 2.00 % 2.0 Coupting Method Direct <						Rated Ou				2.0 HP	
Eacloser(Protection) Totally Enclosed / IP55 Rotor Type Squirrel Cage	Type					<u>^</u>		4			
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External Thrust Not applicable Breakdown** 280 % Coupling Method Direct V-Belt Moment of Inertia (J) Load(Max.) 15.365 lb.ft2 Shaft Extension I Single Double More 15.365 lb.ft2 Image: Coupling Method Direct V-Belt Box Aux. Yes No Sound Pressure Level (No-load & mean value at Im from motor) Box Aux. Yes No Sound Pressure Level (No-load & mean value at Im from motor) Application Refer to Outline Drawing Sound Pressure Level (No-load & mean value at Im from motor) Area classification Hazardous Permissible number of Cold 3 times Type of Ex-Protection Class I & II, Division 2 consecutive starts Hot 2 times Applicable Standard NEMA MG1, CSA C390 Paint Munsell No. 4.0PB5.4/5.5(VL-451) ACCESSORIES SUBMITTAL DRAWING Outline Dimension Drawing Motor Weight(Approx.) B3 LM-T2145B3PLV23 55 lb. Image: Part Duty I. Premium efficiency according to NEMA MG1 2. Inverter Duty @ 1.0 Service Factor & F Temperature rise . 10:1 CT . CHs pu to 1.5 times base speed , NEMA MG1 Part31 . CSA Certifi	Dearing				2012203						
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SPARE PARTS Class I, Division 2, Group A, B, C & D Class II, Division 2 Group E, F & G (Group E : up to 320Fr.) 4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power. 5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous. Date DSND CHKD CHKD APPD											
Class II, Division 2 Group E, F & G (Group E : up to 320Fr.) 4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power. 5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous. Date DSND CHKD CHKD APPD	SPARE PARTS										
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2023-11-13 I.S. Ko S.H. Lee Y.K. Kim S.Y. Kim						Date	DSND	CHKD	CHKD	APPI	D
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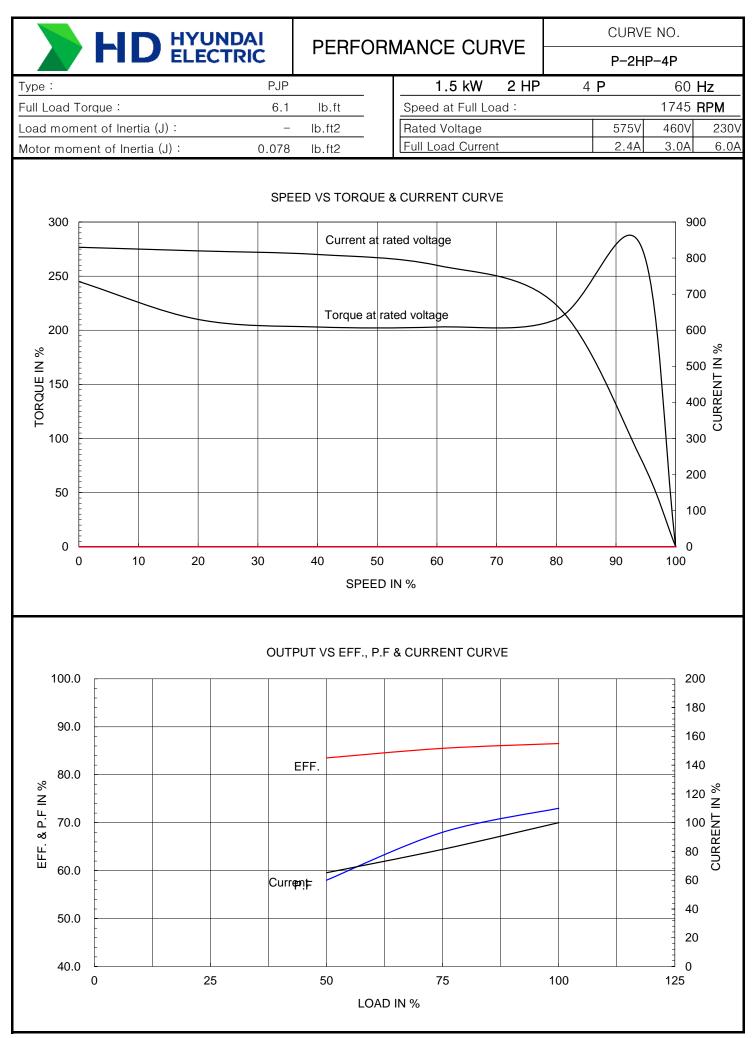
[Note] Others not mentioned in this data sheet shall be in accordance with maker standard.

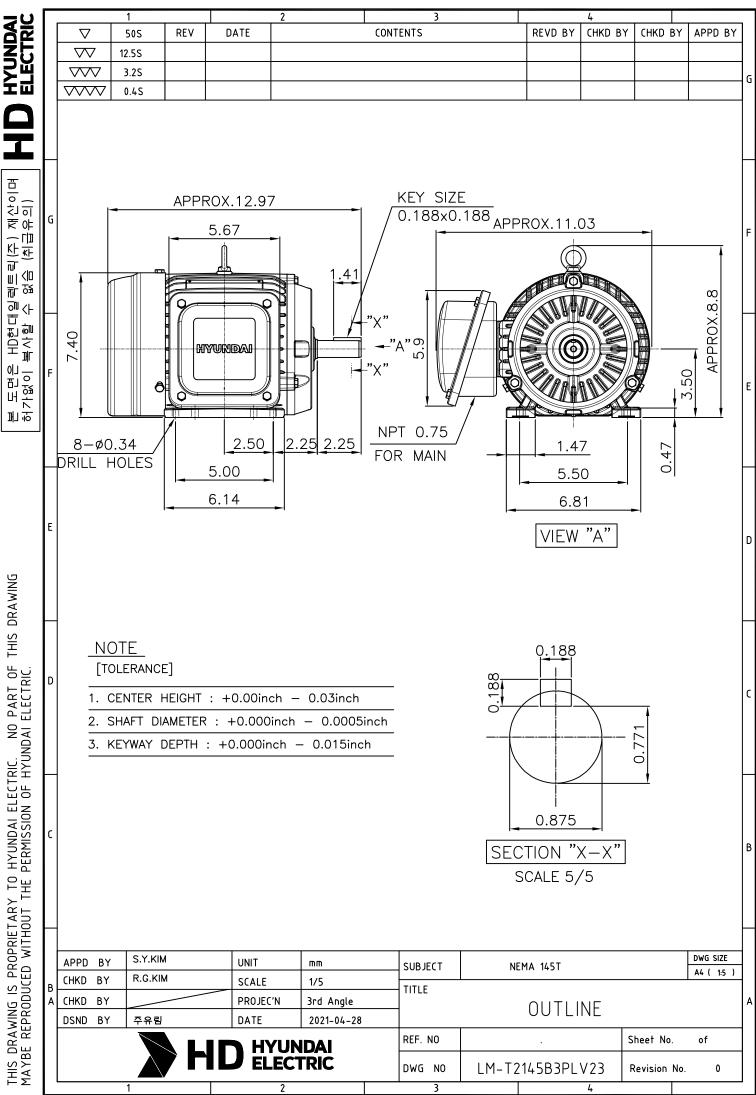
Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.

Inspection and performance test shall be done according to maker standard, if not mentioned.

* In case of Inverter-Fed Motor, performance data is based on sine wave tests. It may be different from test data of Inverter combined motor.

** Data is based on rated voltage & frequency and is expressed as a percentage of full-load value.





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