



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

SPECIFICATION for INDUCTION MOTOR





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

www.hd-hyundaielectric.com



AC INDUCTION MOTOR DATA SHEET

Model No	o.or RFQ No.			Item No.			Rev. N	o. []			
Project Na	ame			Project No.			Quanti	ty	sets			
(GENERAL S	PECIF	ICATION			PERFOR	MANCE DA	TA				
Frame Siz	æ	405TC			Rated Ou	tput	75	kW 1	00.0 HP			
Туре		РЈР			Number of	of Poles	4					
Enclosure	(Protection)	Totally Enclosed / IP55			Rotor Ty	pe	Squirrel Cag	e				
Method of	f Cooling	IC411(FC)			Aethod*	\Box D.O.L \Box Y- \triangle					
Rated Free	quency	60 H	Z		Rated Vo		575 V	460 V	230	V		
Number o	f Phases				Current	Full Load	91.3 A	114.1 A	228.1	А		
Insulation		✓ F	□ B □ H	I		Locked-rotor**	650 %	650 %	650	%		
<u> </u>			stance method)		Efficienc							
	t 1.0 S.F	80	deg. C			50% Load 92.4 % 75% Load 94.4 %						
Motor Location		🗹 Ind										
Altitude		Less th				100% Load	95.4	%				
Relative H		Less th			Power Fa	ctor(p.u) 50% Load	0.715					
Ambient 7	<u>^</u>		0 (Aax.)								
Duty Type		Continuous (S1)				75% Load	0.815					
Service Fa		1.0				100% Load	0.865					
Mounting		B35			Speed at	Full Load	1780	r.p.m				
	Туре	Anti-Fi			Torque							
Bearing	DE/N-DE		,	6313C3		Full Load	296.8					
	Lubricant	Grease				Locked-rotor**						
External T			plicable			Breakdown**	220	%				
Coupling		🗹 Dir			Moment	of Inertia (J)						
Shaft Exte		⊡ Sin	-			Load(Max.)	1,337.213					
Terminal			minum 🗹 Cast Iron	1	Motor 35.910 lb.ft2 Sound Pressure Level (No-load & mean value at 1m from motor)							
Box	Aux.	Yes			Sound Pr	essure Level (N			n from moto	or)		
	Location	Refer t	o Outline Drawing					dB(A)	• `			
Applicatio					Vibration		3.8 mm/sec (peak) Cold 3 times					
Area class		Hazard				ole number of						
• •	x-Protection		& II, Division 2		consecuti		Hot 2 4.0PB5.4/5.5	times				
ACCESS	e Standard	INEWIA	MG1, CSA C390		Paint	Munsell No.		· /				
ACCESS	JRIES				SUBMITTAL DRAWING Outline Dimension Drawing Motor Weight(Approx.)							
					Outilite L	B35	LM-T14050		1165 lb.)		
						D 33	LIVI-114030	C41 L001	1105 10.			
					REMAR	X						
						ium efficiency	according to 1	NEMA MG1				
						ter Duty @ 1.0	-		rature rise			
						:1 VT (20:1 VT		-	intuite filse			
						:1 CT						
						IP up to 1.5 tim	es base sneed	l				
						Certification	s and speed					
SPARE P.	ARTS					ass I, Division 2	, Group A. B	, C & D				
						ass II, Division	-		E : up to 32	0Fr.)		
						ice Factor 1.15	-		-	,		
						r the condition	-					
						ice Factor 1.25 i	-		00HP or lease	ss		
						temperature rise						
					Date	DSND	CHKD	CHKD	APPI)		
					2023-11-	13 I.S. Ko	S.H. Lee	Y.K. Kim	S.Y. K	im		
							1					

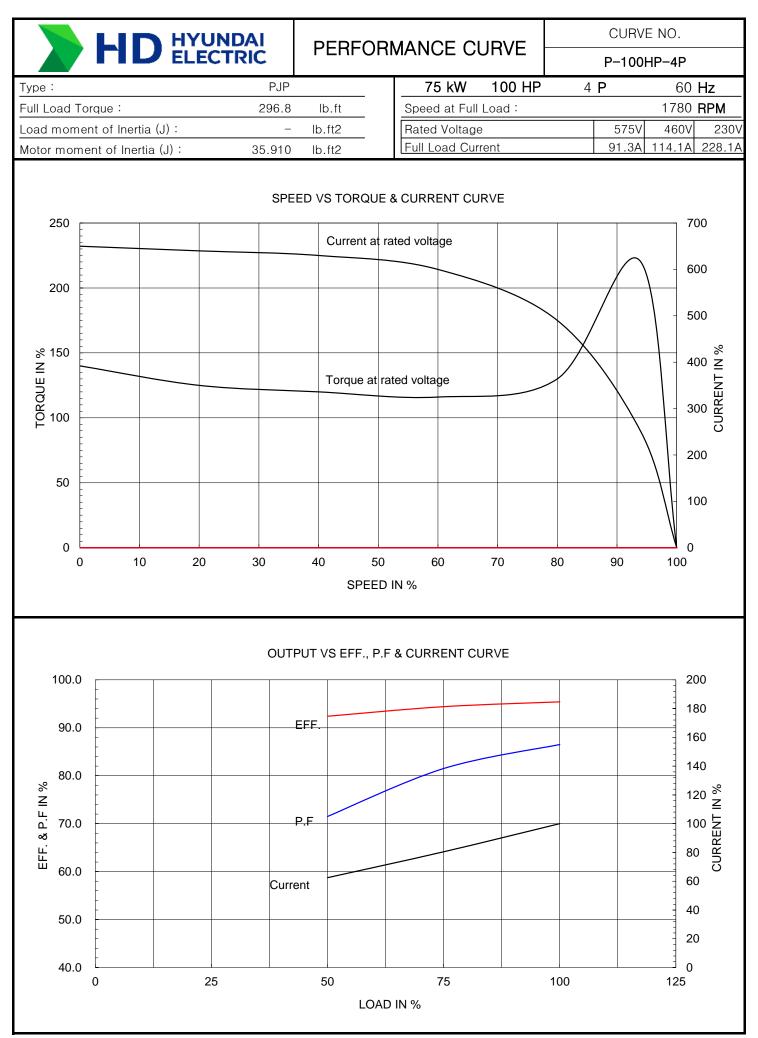
[Note] Others not mentioned in this data sheet shall be in accordance with maker standard.

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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		А	В	2E	2F1	2F2	F3	G	J	Н	AA	AB	AC	XB	XL		WGT.(LB)
		18.43	16.46	16.00	13.75	(12.25)	6.870	0 1.18	3.03	0.81	3.00	20.28	14.85	2.83	11.65	10.63	1165
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	┢	RΔ	C							U 1		R	ES	S		END	
		BA	С	D	L	_										-	END
-	c	BA 6.62	C 39.42	_	L 18.68	20.79	19.69	3.55	32.17	2.875	7.25	2.450		0.750	0.750	6316C3	
	c			_	L 18.68	_	19.69	3.55	32.17	2.875	7.25	2.450		0.750	0.750	-	
	c			10.00	L 18.68 • F A C	20.79	19.69	3.55	32.17	2.875	7.25	2.450		0.750	0.750	-	
	C		39.42	10.00	1	20.79	19.69 BF		32.17 depth		7.25 AH	2.450		0.750	0.750	-	
		6.62 AJ	39.42 AK	10.00 C – BB Min	F A C BC	20.79	BF	F BF	depth	n	AH	2.450		0.750	0.750	-	
-	c	6.62	39.42 AK	10.00 C -	- F A C	20.79		F BF	I I			2.450		0.750	0.750	-	
-	C	6.62 AJ	39.42 AK	10.00 C – BB Min	F A C BC	20.79	BF	F BF	depth	n	AH	2.450		0.750	0.750	-	
		6.62 AJ 11.00	39.42 AK 12.50	10.00 C – BB Min	F A C BC	20.79	BF	F BF	depth	n	AH	2.450		0.750	0.750	-	
	B	6.62 AJ 11.00	39.42 AK 12.50 DTE	C – BB Min 0.25	F A C BC 0.25	20.79 20.79 BD 13.94	BF 5/8-	-11	- depth 0.94	n 8	AH 7.00		5.65		1	6316C3	6313C3
		6.62 AJ 11.00 N(1.D 2.D	39.42 AK 1 12.50 DTE imensic imensic	C – BB Min 0.25	F A C BC 0.25	20.79 20.79 BD 13.94 : +0.00 : +0.00	BF 5/8- Dinch ~	-11 -0.03ir ~ -0.00	depth 0.94 	n 8 TC-365	AH 7.00	+0.000ir	5.65 ch ~ -	0.06ina	L	-	6313C3 C)
		6.62 AJ 11.00 N(1.D 2.D 3.D	39.42 AK 12.50 DTE imensic imensic imensic	C – BB Min 0.25	F A C BC 0.25	20.79 20.79 BD 13.94 : +0.00 : +0.00 : +0.00	BF 5/8- Dinch ~ Dinch Dinch	-11 -11 ~ -0.03ir ~ -0.00 ~ - 0.00	depth 0.94 0ch (143 05inch (15inch	n 8 TC-365 143TC-	AH 7.00 TC) : 215TC)	+0.000ir : +0.00	5.65 ch ~ - Dinch ~	0.06ind -0.00	ch (404)1inch	4TC-449T (254TC-4	6313C3 C) 49TC)
		6.62 AJ 11.00 N(1.D 2.D 3.D	39.42 AK 12.50 DTE imensic imensic imensic	C – BB Min 0.25	F A C BC 0.25	20.79 20.79 BD 13.94 : +0.00 : +0.00 : +0.00	BF 5/8- Dinch ~ Dinch Dinch	-11 -11 ~ -0.03ir ~ -0.00 ~ - 0.00	depth 0.94 0ch (143 05inch (15inch	n 8 TC-365 143TC-	AH 7.00 TC) : 215TC)	+0.000ir : +0.00	5.65 ch ~ - Dinch ~	0.06ind -0.00	ch (404)1inch	6316C3	6313C3 C) 49TC)
- -	B	6.62 AJ 11.00 N(1.D 2.D 3.D 4.D	39.42 AK 1 12.50 DTE imensic imensic imensic	C – BB Min 0.25 00 "D" to 00 "U" to 00 "R" to 00 "R" to 00 "AK" t	F A C BC 0.25	20.79 20.79 BD 13.94 : +0.00 : +0.00 : +0.00 : +0.00	binch ~ 00inch 00inch 00inch	-11 -11 -0.03ir ~ -0.00 ~ -0.00 ~ -0.00	depth 0.94 0ch (143 05inch (15inch	n 8 TC-365 143TC- 143TC-	AH 7.00 TC) : 1 215TC) 286TC)	+0.000ir : +0.00	5.65 ch ~ - Dinch ~ Dinch ~	0.06ina –0.00 –0.00	ch (404)1inch 95inch (4TC-449T (254TC-4	6313C3 C) 49TC) 49TC)
	B	6.62 AJ 11.00 1.D 2.D 3.D 4.D APPD	39.42 AK 12.50 DTE imensic imensic imensic imensic	C – 10.00 C – BB Min 0.25 00 "" to 00 "" "" "" "" to 00 "" "" "" "" "" "" "" "" "" "" "" "" "	F A C BC 0.25	20.79 20.79 BD 13.94 : +0.00 : +0.00 : +0.00 : +0.00 : +0.00 : +0.00	Dinch ~ 00inch 00inch	BF -11 ~ -0.03ir ~ -0.00 ~ - 0.0 ~ -0.0 ~ -0.0	depth 0.94 0ch (143 05inch (15inch	n 8 TC-365 143TC-	AH 7.00 TC) : 1 215TC) 286TC)	+0.000ir : +0.00	5.65 ch ~ - Dinch ~ Dinch ~	0.06ind -0.00	ch (404)1inch 95inch (4TC-449T (254TC-4	6313C3 C) 49TC) 49TC)
	B	6.62 AJ 11.00 1.D 2.D 3.D 4.D APPD CHKD	39.42 AK 1 12.50 DTE imensic imensic imensic BY S BY S	C – BB Min 0.25 00 "D" to 00 "C" to 00 "C" to 00 "R" to 00 "AK" to 00 "AK" to 00 "AK" to 00 "AK" to 00 "AK" to 0.25	F A C BC 0.25	20.79 20.79 20.79 BD 13.94 : +0.00 : +0.00 : +0.00 : +0.00 : +0.00 : +0.00 : +0.00 : SCALE)inch ~)0inch ~)0inch)0inch	0.03ir -11 ~ -0.00 ~ -0.00 ~ -0.00 ~ -0.00 inch None	⁻ depth 0.94 05inch (15inch (03inch (n 8 TC-365 143TC- 143TC-	AH 7.00 TC) : 1 215TC) 286TC)	+0.000ir : +0.00 : +0.00	5.65 Dinch ~ Dinch ~	0.06ind -0.00 -0.00	ch (404)1inch 95inch (4TC-449T (254TC-4	6313C3 C) 49TC) 29TC) DWG SIZ
	B	6.62 AJ 11.00 1.D 2.D 3.D 4.D APPD CHKD CHKD	39.42 AK 12.50 DTE imensic imensic imensic BY BY SY Y	C – BB Min 0.25 00 "D" to 00 "U" to 00 "R" to 00 "K" to 00 "AK" to	F A C BC 0.25	20.79 20.79 20.79 BD 13.94	BF 5/8- Dinch ~ D0inch D0inch D0inch	-11 -11 -11 -11 -11 -11 - BF -0.03ir 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.03ir 0.03ir 0.03ir 0.03ir 0.03ir 0.03ir 0.03ir 0.03ir 0.03ir 0.03ir 0.03ir 0.00 	⁻ depth 0.94 0ch (143 05inch (15inch 03inch (n 8 TC-365 143TC- 143TC- SUBJE	AH 7.00 TC) : 1 215TC) 286TC)	+0.000ir : +0.00 : +0.00	5.65 ch ~ - Dinch ~ Dinch ~	0.06ind -0.00 -0.00	ch (404)1inch 95inch (4TC-449T (254TC-4	6313C3 C) 49TC) 29TC) DWG SIZ
	B	6.62 AJ 11.00 1.D 2.D 3.D 4.D APPD CHKD	39.42 AK 12.50 DTE imensic imensic imensic BY BY SY Y	C – BB Min 0.25 00 "D" to 00 "C" to 00 "C" to 00 "R" to 00 "AK" to 00 "AK" to 00 "AK" to 00 "AK" to 00 "AK" to 0.25	F A C BC 0.25	20.79 20.79 BD 13.94 : +0.00 :	BF 5/8- 00inch ~ 00inch 00inch 00inch	-11 -11 -11 -11 -11 -11 -11 - BF -0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.00	⁻ depth 0.94 0ch (143 05inch (15inch 03inch (n 8 TC-365 143TC- 143TC- SUBJE TITLE	AH 7.00 TC) : - 215TC) 286TC) CT	+0.000ir : +0.00 : +0.00	5.65 5.65 Dinch ~ Dinch ~ NEMA	0.06ind -0.00 -0.00 405	ch (404)1inch)5inch (TC	4TC-449T (254TC-4 (324TC-4	C) 49TC) 49TC) <u>DwG SIZI</u> A4 < 1:1
	B	6.62 AJ 11.00 1.D 2.D 3.D 4.D APPD CHKD CHKD	39.42 AK 12.50 DTE imensic imensic imensic BY BY SY Y	C – BB Min 0.25 00 "D" to 00 "U" to 00 "R" to 00 "K" to 00 "AK" to	F A C BC 0.25	20.79 20.79 BD 13.94 : +0.00 :	BF 5/8- 00inch ~ 00inch 00inch 00inch	-11 -11 -11 -11 -11 -11 -11 - BF -0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.00	⁻ depth 0.94 0ch (143 05inch (15inch 03inch (n 8 TC-365 143TC- 143TC- SUBJE TITLE REF. N	AH 7.00 TC) : - 215TC) 286TC) CT	+0.000ir : +0.00 : +0.00 [35	5.65 5.65 0inch ~ 0inch ~ NEMA 0A13164	0.06ind -0.00 -0.00 405 AA	ch (404)1inch)5inch (TC	4TC-449T (254TC-4 (324TC-4 heet Nc	C) 49TC) 49TC) <u>DwG SIZI</u> A4 (1:1
	B	6.62 AJ 11.00 1.D 2.D 3.D 4.D APPD CHKD CHKD	39.42 AK 12.50 DTE imensic imensic imensic BY BY SY Y	C – BB Min 0.25 00 "D" to 00 "U" to 00 "R" to 00 "K" to 00 "AK" to	F A C BC 0.25	20.79 20.79 BD 13.94 : +0.00 :	BF 5/8- Dinch ~ D0inch D0inch D0inch	-11 -11 -11 -11 -11 -11 -11 - BF -0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.00	⁻ depth 0.94 0ch (143 05inch (15inch 03inch (n 8 TC-365 143TC- 143TC- SUBJE TITLE REF. N	AH 7.00 TC) : 215TC) 286TC) CT CT	+0.000ir : +0.00 : +0.00 [35	5.65 5.65 Dinch ~ Dinch ~ NEMA	0.06ind -0.00 -0.00 405 AA	ch (404)1inch)5inch (TC	4TC-449T (254TC-4 (324TC-4	C) 49TC) 49TC) <u>DwG SIZI</u> A4 (1:1

