

## AC INDUCTION MOTOR DATA SHEET

FICATION         S         P-55/6         Illy Enclosed (IP55         11(FC)         D Hz         3         F       B         H         istance method)         D deg. C         indoor       Outdoor         than       1000 meter         than       80 %         40 deg. C (M         tinuous (S1)         B3       B5         SC3       / 6313C3         ise(Gadus S2 V 100 2)         applicable         Direct       V-Belt         Single       Double	r fax.) B3/B5	No.          Rated Outp         Number of I         Rotor Type         Starting Me         Rated Volta         Current       F         L         Efficiency         Power Factor         Speed at Fu         Torque         F         L	ut Poles ethod* age Full Load Locked-rotor** 50% Load 75% Load 100% Load or(p.u) 50% Load 75% Load 100% Load	Squirrel Cage ■ D.O.L 440 V 90.9 A 740 % 94.2 94.7 94.5 0.732 0.811 0.840	ty se TA kW 6 2 380 V 105.3 A 740 % % % %	75 HP - △ 2 18	220 N 1.8 7 740 9
S P-55/6 Illy Enclosed (IP55 I1(FC) D Hz 3 F $\square$ B $\square$ H istance method) D deg. C ndoor $\square$ Outdoor i than 1000 meter i than 80 % 40 deg. C (M tinuous (S1) B3 $\square$ B5 $\square$ V1 $\square$ -Friction 5C3 / 6313C3 ise(Gadus S2 V 100 2) applicable Direct $\square$ V-Belt	) ) r [B3/B5]	Rated Outp Number of I Rotor Type Starting Me Rated Volta Current F L Efficiency Power Facto Speed at Fu Torque	ut Poles ethod* age Full Load .ocked-rotor** 50% Load 100% Load 0r(p.u) 50% Load 75% Load 100% Load 100% Load 100% Load	MANCE DA1           55           Squirrel Cage           D.O.L           440 V           90.9 A           740 %           94.2           94.7           94.5           0.732           0.811           0.840	Image: CA         kW         6         2         380 V         105.3 A         740 %         %         %         %         %         %         %         %	75 HP - △ 2 18	1.8 A
S P-55/6 Illy Enclosed (IP55 I1(FC) D Hz 3 F $\square$ B $\square$ H istance method) D deg. C ndoor $\square$ Outdoor i than 1000 meter i than 80 % 40 deg. C (M tinuous (S1) B3 $\square$ B5 $\square$ V1 $\square$ -Friction 5C3 / 6313C3 ise(Gadus S2 V 100 2) applicable Direct $\square$ V-Belt	r fax.) B3/B5	Number of Rotor Type Starting Me Rated Volta Current F L Efficiency Power Factor Speed at Fu Torque	ut Poles ethod* age Full Load .ocked-rotor** 50% Load 100% Load 0r(p.u) 50% Load 75% Load 100% Load 100% Load 100% Load	55 Squirrel Cage ■ D.O.L 440 V 90.9 A 740 % 94.2 94.7 94.5 0.732 0.811 0.840	FA         kW         6         2         380 V         105.3 A         740 %         %         %         %         %         %         %	75 HP - △ 2 18	1.8 A
S P-55/6 Illy Enclosed (IP55 I1(FC) D Hz 3 F $\square$ B $\square$ H istance method) D deg. C ndoor $\square$ Outdoor i than 1000 meter i than 80 % 40 deg. C (M tinuous (S1) B3 $\square$ B5 $\square$ V1 $\square$ -Friction 5C3 / 6313C3 ise(Gadus S2 V 100 2) applicable Direct $\square$ V-Belt	r fax.) B3/B5	Number of Rotor Type Starting Me Rated Volta Current F L Efficiency Power Factor Speed at Fu Torque	ut Poles ethod* age Full Load .ocked-rotor** 50% Load 100% Load 0r(p.u) 50% Load 75% Load 100% Load 100% Load 100% Load	55 Squirrel Cage ■ D.O.L 440 V 90.9 A 740 % 94.2 94.7 94.5 0.732 0.811 0.840	kW 6 2 380 V 105.3 A 740 % % % %	· Δ 2 18	1.8 /
Illy Enclosed       (IP55         I1(FC)       )         D Hz       )         3                    F          B          H         istance method)       )       )         D deg. C          Outdoor         ndoor          Outdoor         than       1000       meter         than       1000       meter         than       80 %          40 deg. C (M         tinuous (S1)          33          B5          V1    -         -Friction          6313C3          se(Gadus S2 V 100 2)          applicable         Direct          V-Belt          V-Belt	r fax.) B3/B5	Number of Rotor Type Starting Me Rated Volta Current F L Efficiency Power Factor Speed at Fu Torque	Poles ethod* age Full Load Locked-rotor** 50% Load 75% Load 100% Load or(p.u) 50% Load 75% Load 100% Load 100% Load	■ D.O.L 440 V 90.9 A 740 % 94.2 94.7 94.5 0.732 0.811 0.840	e □ Y- 380 V 105.3 A 740 % % % %	2 18	1.8 /
11(FC)         0 Hz         3         F       B       H         istance method)         0 deg. C         ndoor       Outdoor         than       1000 meter         than       80 %         40 deg. C (M         tinuous (S1)         33       B5         V1       -         -Friction         5C3       / 6313C3         ase(Gadus S2 V 100 2)         applicable         Direct       V-Belt	r fax.) B3/B5	Starting Me Rated Volta Current F L Efficiency Power Facto Speed at Fu Torque	ethod* age Full Load Locked-rotor** 50% Load 75% Load 100% Load or(p.u) 50% Load 100% Load 100% Load	■ D.O.L 440 V 90.9 A 740 % 94.2 94.7 94.5 0.732 0.811 0.840	□ Y- 380 V 105.3 A 740 % % %	2 18	1.8 /
11(FC)         0 Hz         3         F       B       H         istance method)         0 deg. C         ndoor       Outdoor         than       1000 meter         than       80 %         40 deg. C (M         tinuous (S1)         33       B5         V1       -         -Friction         5C3       / 6313C3         ase(Gadus S2 V 100 2)         applicable         Direct       V-Belt	r fax.) B3/B5	Starting Me Rated Volta Current F L Efficiency Power Facto Speed at Fu Torque	ethod* age Full Load Locked-rotor** 50% Load 75% Load 100% Load or(p.u) 50% Load 100% Load 100% Load	■ D.O.L 440 V 90.9 A 740 % 94.2 94.7 94.5 0.732 0.811 0.840	□ Y- 380 V 105.3 A 740 % % %	2 18	1.8
) Hz 3 F □ B □ H istance method) 0 deg. C ndoor □ Outdoor c than 1000 meter than 80 % 40 deg. C (M tinuous (S1) 33 □ B5 □ V1 □ -Friction 5C3 / 6313C3 ise(Gadus S2 V 100 2) applicable Direct □ V-Belt	r 1ax.)   B3/B5	Rated Volta Current F L Efficiency Power Facto Speed at Fu Torque F L	age Full Load cocked-rotor** 50% Load 75% Load 100% Load or(p.u) 50% Load 75% Load 100% Load 100% Load	440 V 90.9 A 740 % 94.2 94.7 94.5 0.732 0.811 0.840	380 V 105.3 A 740 % % %	2 18	1.8
3         F       B       H         istance method)         D       deg. C         ndoor       Outdoor         a than       1000 meter         a than       80 %         40 deg. C (M         tinuous (S1)         B3       B5         V1       -         -Friction         5C3       / 6313C3         ase(Gadus S2 V 100 2)         applicable         Direct       V-Belt	r 1ax.)   B3/B5	Current F L Efficiency Power Factor Speed at Fu Torque	Full Load Locked-rotor** 50% Load 75% Load 100% Load or(p.u) 50% Load 75% Load 100% Load 100% Load	90.9 A 740 % 94.2 94.7 94.5 0.732 0.811 0.840	105.3 A 740 % % %	18	1.8
F       B       H         istance method)       O       deg. C         ndoor       Outdoor         than       1000       meter         than       1000       meter         than       80 %       40       deg. C (M         tinuous (S1)       B3       B5       V1       D         -Friction       5C3       / 6313C3       ase(Gadus S2 V 100 2)       applicable         Direct       V-Belt       V-Belt       D	r 1ax.)   B3/B5	Efficiency Power Factor Speed at Fu Torque	50% Load 75% Load 100% Load or(p.u) 50% Load 75% Load 100% Load 100% Load	740 % 94.2 94.7 94.5 0.732 0.811 0.840	740 % % %		
istance method) D deg. C ndoor □ Outdoor than 1000 meter than 80 % 40 deg. C (M tinuous (S1) B3 □ B5 □ V1 □ -Friction 5C3 / 6313C3 ase(Gadus S2 V 100 2) applicable Direct □ V-Belt	r 1ax.)   B3/B5	Efficiency Power Facto Speed at Fu Torque	50% Load           75% Load           100% Load           or(p.u)           50% Load           75% Load           100% Load           ill Load	94.2 94.7 94.5 0.732 0.811 0.840	% % %		
<ul> <li>deg. C</li> <li>ndoor □ Outdoor</li> <li>than 1000 meter</li> <li>than 80 %</li> <li>40 deg. C (M</li> <li>tinuous (S1)</li> <li>B3 □ B5 □ V1 □</li> <li>-Friction</li> <li>5C3 / 6313C3</li> <li>ase(Gadus S2 V 100 2)</li> <li>applicable</li> <li>Direct □ V-Belt</li> </ul>	fax.)	Power Factor Speed at Fu Torque	75% Load 100% Load or(p.u) 50% Load 75% Load 100% Load ill Load	94.7 94.5 0.732 0.811 0.840	%		
ndoor □ Outdoor than 1000 meter than 80 % 40 deg. C (M tinuous (S1) 33 □ B5 □ V1 □ -Friction 5C3 / 6313C3 ase(Gadus S2 V 100 2) applicable Direct □ V-Belt	fax.)	Power Factor Speed at Fu Torque	75% Load 100% Load or(p.u) 50% Load 75% Load 100% Load ill Load	94.7 94.5 0.732 0.811 0.840	%		
than 1000 meter than 80 % 40 deg. C (M tinuous (S1) 33 B5 V1 - -Friction 5C3 / 6313C3 applicable Direct V-Belt	fax.)	Power Factor Speed at Fu Torque	100% Load or(p.u) 50% Load 75% Load 100% Load ill Load	94.5 0.732 0.811 0.840	%		
than       80 %         40 deg. C (M         tinuous (S1)         33       B5       V1         -Friction         5C3       / 6313C3         sse(Gadus S2 V 100 2)         applicable         Direct       V-Belt	B3/B5	Power Factor Speed at Fu Torque	or(p.u) 50% Load 75% Load 100% Load ill Load	0.732 0.811 0.840			
40 deg. C (M tinuous (S1) 33 □ B5 □ V1 □ -Friction 5C3 / 6313C3 use(Gadus S2 V 100 2) applicable Direct □ V-Belt	B3/B5	Speed at Fu Torque F	50% Load 75% Load 100% Load Ill Load	0.811 0.840			
tinuous (S1) 33 B5 V1 - -Friction 5C3 / 6313C3 ase(Gadus S2 V 100 2) applicable Direct V-Belt	B3/B5	Speed at Fu Torque F	75% Load 100% Load Ill Load	0.811 0.840			
33   B5   V1     -Friction     5C3   / 6313C3     ase(Gadus S2 V 100 2)     applicable     Direct   V-Belt		Speed at Fu Torque F	100% Load Ill Load	0.840	r.p.m		
33   B5   V1     -Friction     5C3   / 6313C3     sse(Gadus S2 V 100 2)     applicable     Direct   V-Belt		Speed at Fu Torque F	Ill Load		r.p.m		
-Friction 5C3 / 6313C3 ase(Gadus S2 V 100 2) applicable Direct V-Belt		Torque F L		1185	1.p.m		
6C3       /       6313C3         ase(Gadus S2 V 100 2)       applicable         Direct       V-Belt		F	Full Load				
applicable Direct V-Belt		L		15.0	1.2		
applicable Direct V-Belt					kg·m		
Direct V-Belt			ocked-rotor**	150			
			Breakdown**	250	%		
Single Double		Moment of		110 550			
			Load(Max.)	112.550			
Steel Cast Iro	on		Motor		kg∙m²		
r to Outline Drawing							
					· · · · · · · · · · · · · · · · · · ·	.s)	
Area classification Non-Hazardous		Permissible	e number of	Cold 3	times		
Type of Ex-Protection Not applicable		consecutive	starts	Hot 2	times		
EC, NEMA MG1 Part30(V	/peak)	Paint N	Aunsell No.	4.4PB5.5/5.6	(VL-451)		
			SUBMITT	AL DRAWI	NG		
		Outline Din	nension Drawin	ng \ Motor Weight(Approx.)			
			B3	LM-T1251B3	3PL001	505	kg
			B5	LM-T1250B5	5PL001	545	kg
		-	V1	LM-T1250V	1PL001	545	kg
			B3/B5			525	kg
	-	Main T-Box	Main T-Box Ass'y		3M-016882		0
	-						
SPARE PARTS		REMARK		Premium Efficiency			
		*. For use on	PWM VFD 10:	:1VT, 3:1CT@	1.0S.F&F Temj	p. rise	
		Date	DSND	CHKD	CHKD	API	PD
		2015-09-05	R.G. KIM	-	O.J. KIM	S.H.	GO
	t shall be in accordance with make values and shall be guaranteed wit be maker standard, if not mention ormance data is based on sine way	t shall be in accordance with maker standard. values and shall be guaranteed with tolerance of be maker standard, if not mentioned.	r to Outline Drawing Hazardous applicable C, NEMA MG1 Part30(Vpeak) Paint N Outline Dir Main T-Box Main T-Box Sc. For use or Date 2015-09-05 t shall be in accordance with maker standard. values and shall be guaranteed with tolerance of applicable stand be maker standard, if not mentioned. prmance data is based on sine wave tests.	r to Outline Drawing Vibration Hazardous applicable C, NEMA MG1 Part30(Vpeak) Paint Munsell No. SUBMITT Outline Dimension Drawin B3 B5 V1 B3/B5 Main T-Box Ass'y Main T-Box Ass'y REMARK *. For use on PWM VFD 10 Date DSND 2015-09-05 R.G. KIM t shall be in accordance with maker standard. values and shall be guaranteed with tolerance of applicable standard. be maker standard, if not mentioned. ymance data is based on sine wave tests.	r to Outline Drawing       73         Vibration       2.2         Hazardous       Permissible number of cold 3         applicable       consecutive starts       Hot 2         3C, NEMA MG1 Part30(Vpeak)       Paint       Munsell No.       4.4PB5.5/5.6         SUBMITTAL DRAWI         Outline Dimension Drawing       \[amplicable]       \[amplicable]       \[amplicable]         SUBMITTAL DRAWI         Outline Dimension Drawing       \[amplicable]       \[amplicable]       \[amplicable]         Ultime Dimension Drawing       \[amplicable]       \[amplicable]       \[amplicable]       \[amplicable]         0utline Dimension Drawing       \[amplicable]       \[amplicable]       \[amplicable]       \[amplicable]         0utline Dimension Drawing       \[amplicable]       \[amplicable]       \[amplicable]       \[amplicable]         0utline Dimension Drawing       \[amplicable]       \[amplicable]       \[amplicable]       \[amplicable]         Wain T-Box Ass'y       3M-016882       \[amplicable]       \[amplicable]       \[amplicable]         Hain T-Box Ass'y       3M-016882       \[amplicable]       \[amplicable]       \[amplicable]       \[amplicable]         Vib Table       The Conse on PWM VFD 10:1VT, 3:1CT @       \	r to Outline Drawing 73 dB(A) Vibration 2.2 mm/sec (r.m Hazardous Permissible number of Cold 3 times ipplicable consecutive starts Hot 2 times icc, NEMA MG1 Part30(Vpeak) Paint Munsell No. 4.4PB5.5/5.6(VL-451) SUBMITTAL DRAWING Outline Dimension Drawing \ Motor Weigl B3 LM-T1251B3PL001 B5 LM-T1250B5PL001 V1 LM-T1250V1PL001 B3/B5 LM-T1251B4PL001 Main T-Box Ass'y 3M-016882	r to Outline Drawing          To Outline Drawing       73 dB(A)         Hazardous       Permissible number of consecutive starts       Cold 3 times         upplicable       consecutive starts       Hot 2 times         COLD       Paint       Munsell No.       4.4PB5.5/5.6(VL-451)         SUBMITTAL DRAWING       Outline Dimension Drawing       \ Motor Weight(Appr         B5       LM-T1251B3PL001       505         B5       LM-T125085PL001       545         V1       LM-T1250V1PL001       545         B3/B5       LM-T1251B4PL001       525         Main T-Box Ass'y       3M-016882         UP       *       For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise         Date       DSND       CHKD       API         2015-09-05       R.G. KIM       -       O.J. KIM       S.H.         t shall be in accordance with maker standard.       Hot maker standard.       Hot method.       Hot maker standard.         wates and shall be guaranteed.       Hot method.       Hot maker standard.

\*\* Data is based on when the motor is supplied at rated voltage & frequency. and the data is expressed as a percentage of full-load value.





