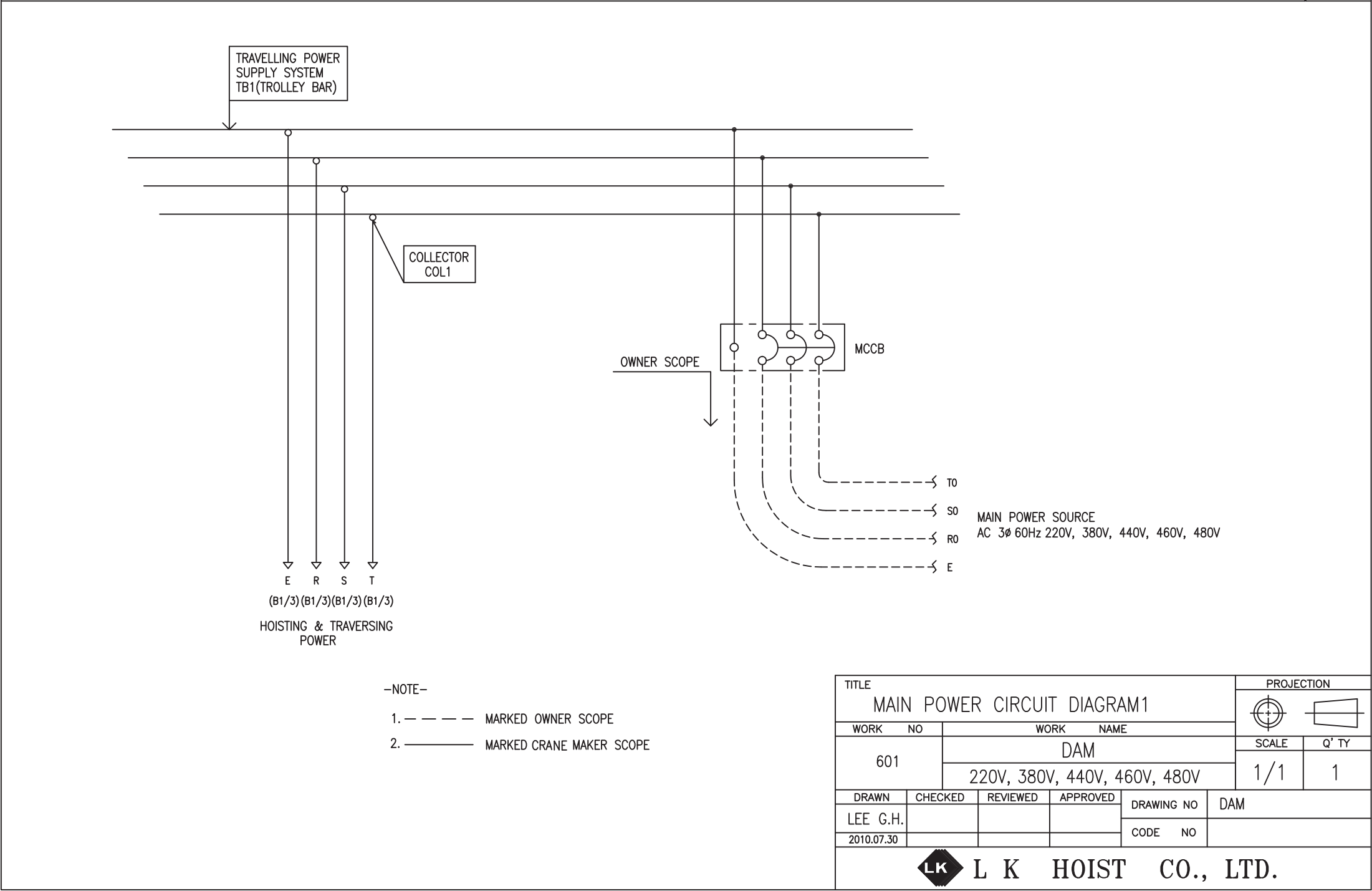
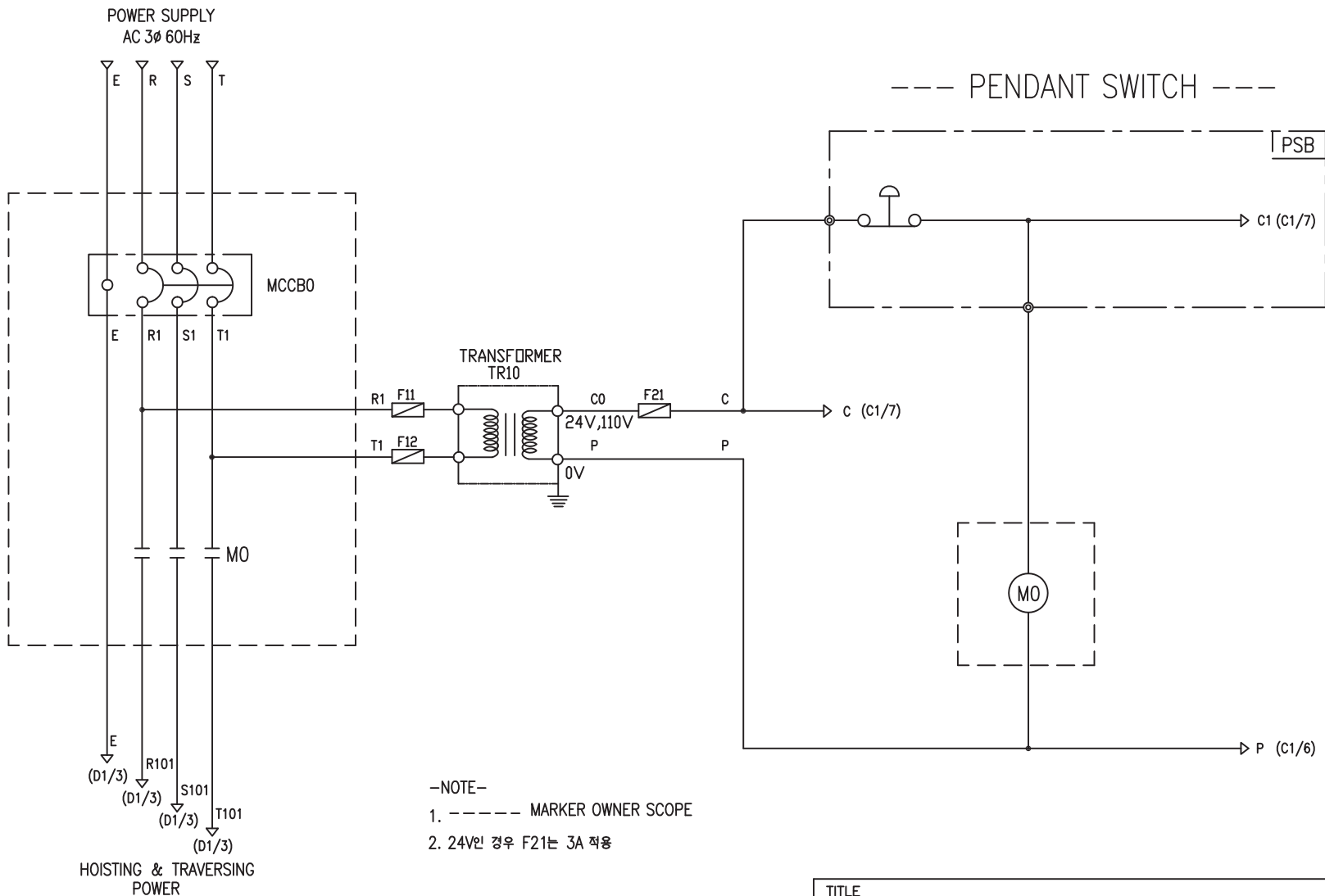


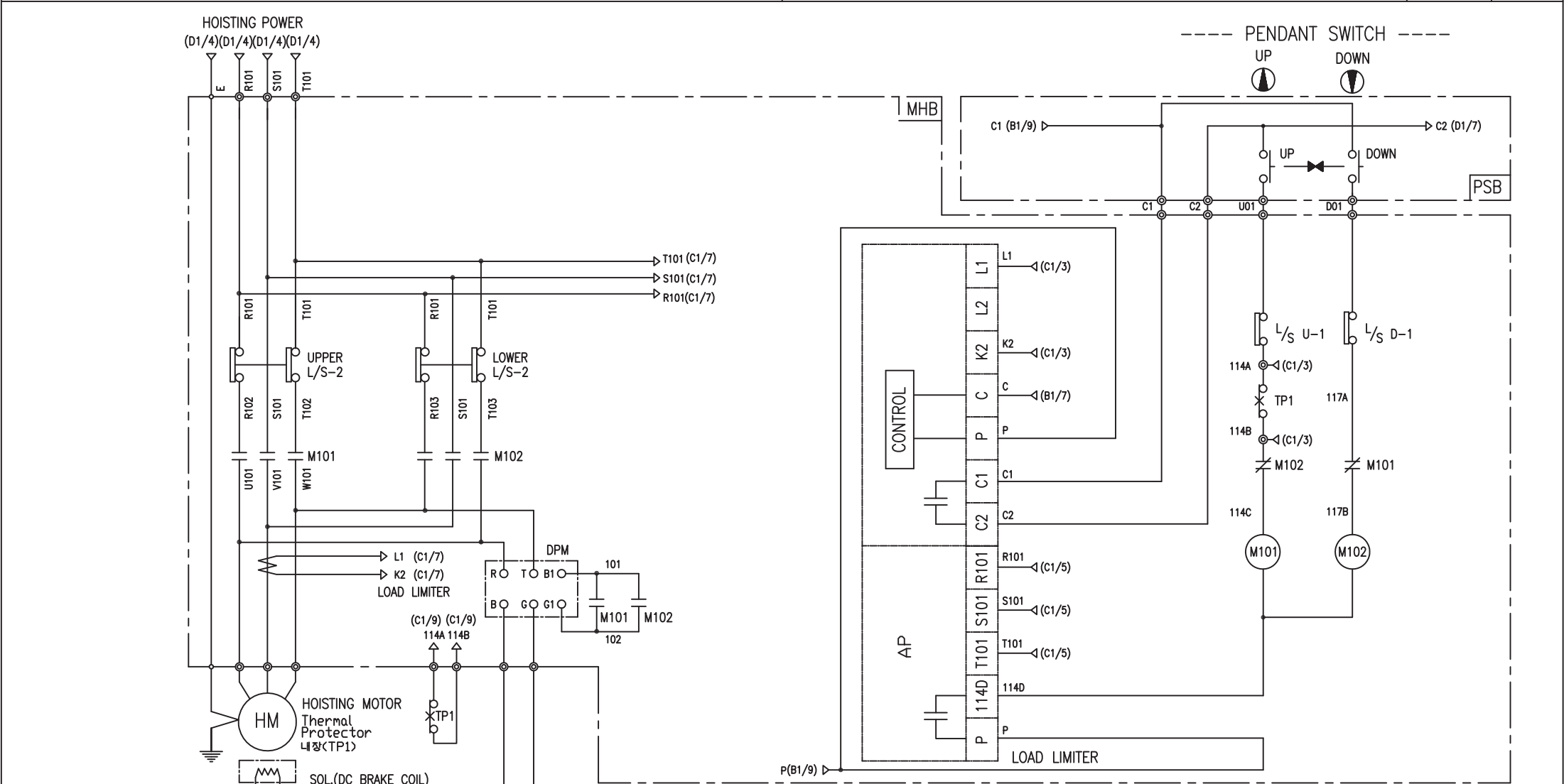


1	2	3	4	5	6	7	8	9	10		
POWER CIRCUIT					CONTROL CIRCUIT					ADDRESS NO.	B1



SPECIFICATION	NO FUSE BREAKER		MAGNET CONTACT		TRANSFORMER	FUSE
SYMBOLS	MCCB0		M0		TR10	F11, F12, F21
DESCRIPTION	220V	50A	GMC22	DMC-22	60VA	1A
	380V	30A				
	440V	20A				
	460V	20A				
	480V	20A				
MAKER	LS		LS	DONGA	LK	—

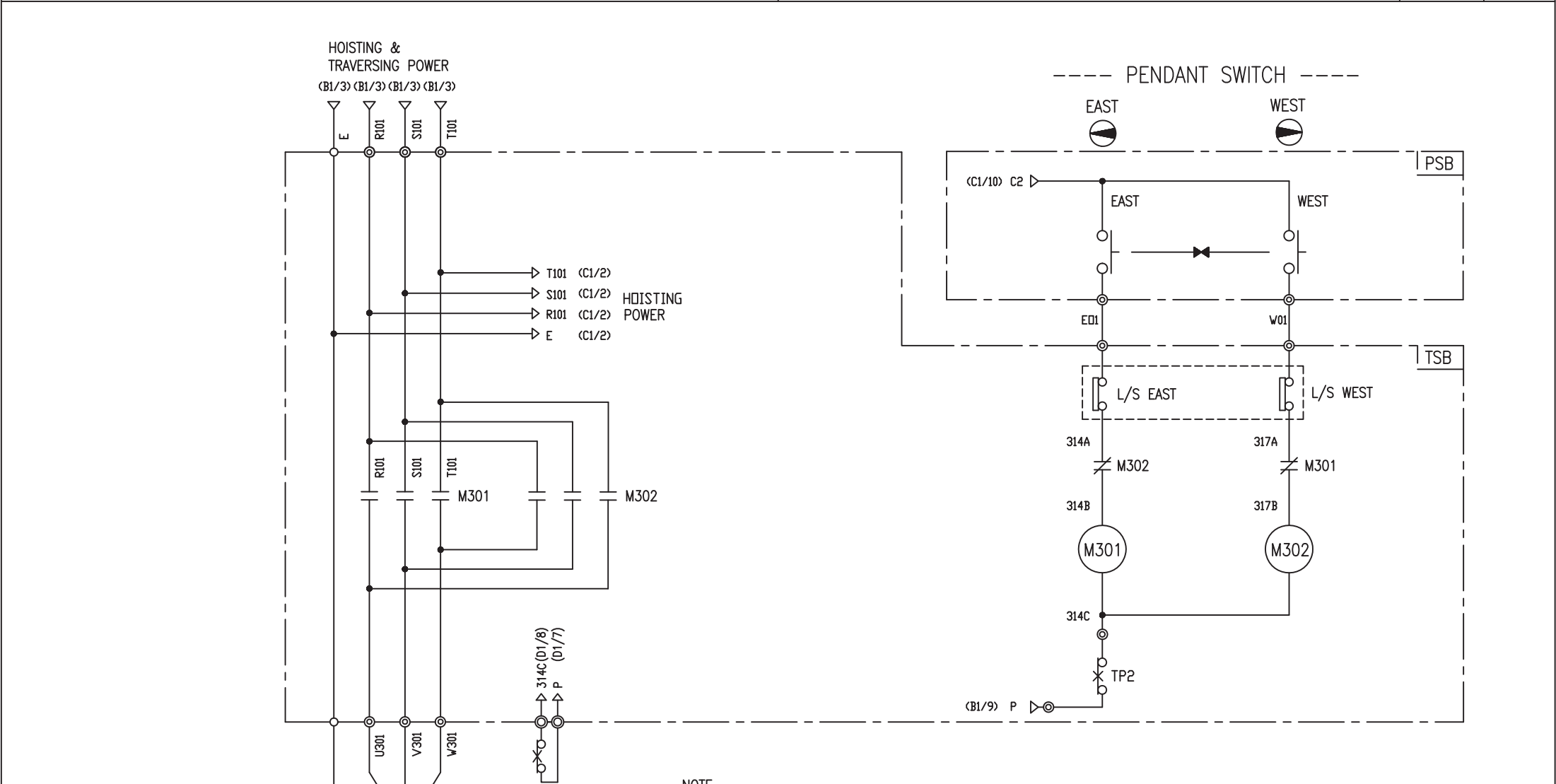
TITLE					PROJECTION	
MAIN POWER & CONTROL CIRCUIT DIAGRAM						
WORK	NO	WORK			NAME	
602		DAM			SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V			1/1	1
DRAWN	CHECKED	REVISED	APPROVED	MODEL	DAM	
LEE.G.H				CODE	NO	
2010.07.30						
 L K HOIST CO., LTD.						



-NOTE-
1. ——— : Mechanical Interlock

SPECIFICATION	MAGNET CONTACT		LOAD LIMITER	SILICON RECTIFIER				Thermal Protector	HOIST MOTOR
SYMBOLS	M101, M102		—	DPM				TP1	HM
DESCRIPTION	DMC-22	GMC-22	LKDL-601	AC220V	AC440V	AC460V	AC480V	17AM032	3.5Kw * 4P
				DC99V	DC198V	DC207V	DC216V		
MAKER	DONG-A	LS	LK	LK				Texas Instruments	LK

TITLE HOIST POWER & CONTROL CIRCUIT DIAGRAM								PROJECTION 	
WORK NO 603		WORK NAME DAM						SCALE 1/1	Q' TY 1
220V, 440V, 460V, 480V									
DRAWN LEE.G.H 2010.07.30	CHECKED	REVIEWED	APPROVED	MODEL CODE NO		DAM			
L K HOIST CO., LTD.									



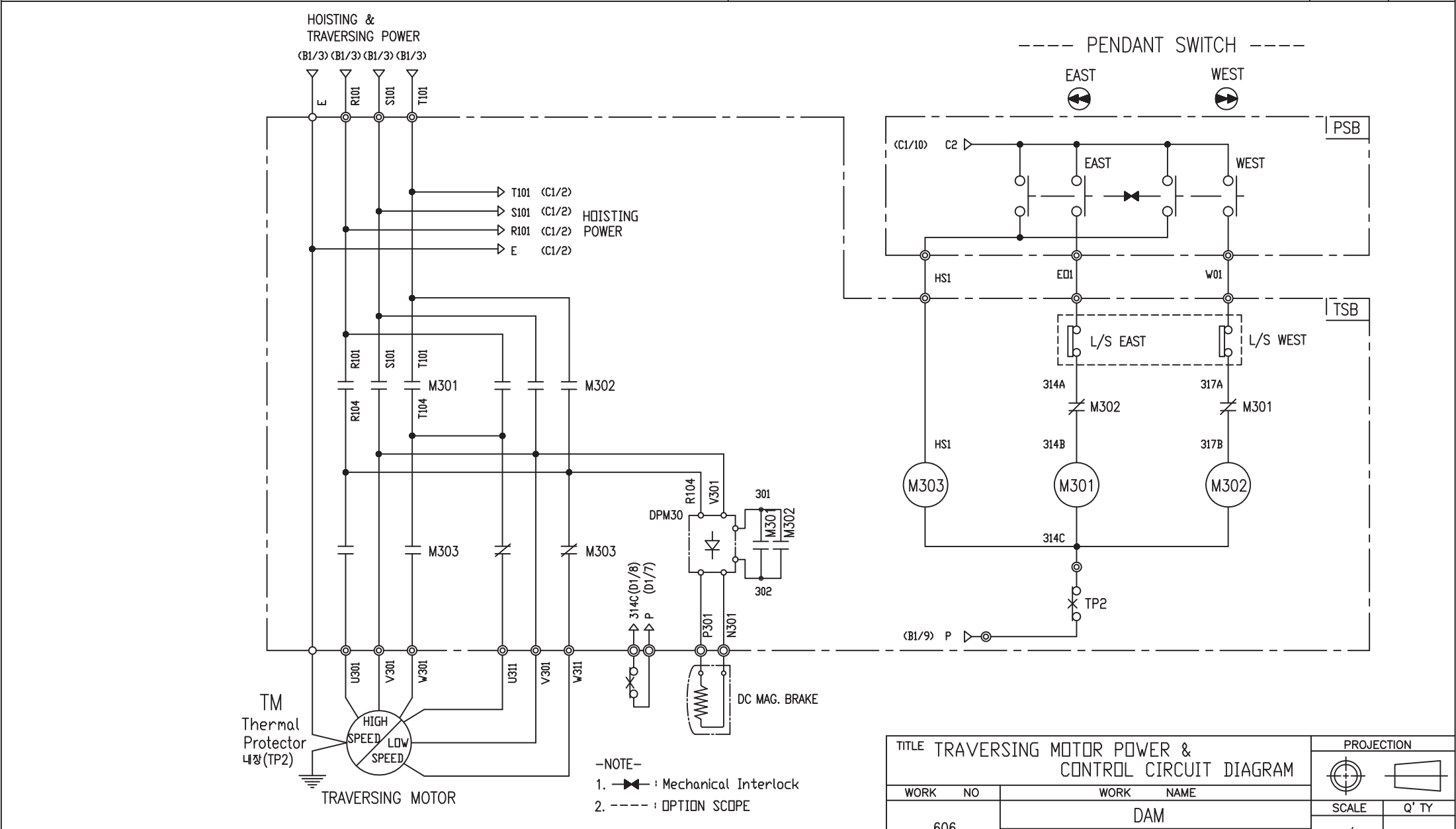
—NOTE—

1. : Mechanical Interlock

2. ----- : OPTION SCOPE

TITLE		TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM		PROJECTION	
WORK NO	605	WORK NAME		SCALE	Q' TY
		DAM		1/1	1
		220V, 380V, 440V, 460V, 480V			
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL	DAM
LEE.G.H				CODE NO	
2010.07.30					
L K HOIST CO., LTD.					

SPECIFICATION	MAGNET CONTACT	Thermal Protector	TRAVERSING MOTOR
SYMBOLS	M301, M302	TP2	TM
DESCRIPTION	GMC12 DMC12	17AM032	0.75KW *4P 0.4KW *6P
MAKER	LS DONGA	Texas Instruments	LK



SPECIFICATION	MAGNET CONTACT		Thermal Protector	SILICON RECTIFIER					TRAVERSING MOTOR
SYMBOLS	M301, M302, M303		TP2	DPM30					TM
DESCRIPTION	GMC12	DMC12	17AM032	AC220V	AC380V	AC440V	AC460V	AC480V	0.75/0.25KW *4/12P
				DC99V	DC171V	DC198V	DC207V	DC216V	
MAKER	LS	DONGA	Texas Instruments	LK					LK

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM

WORK NO606

WORK NAMEDAMDAM

220V, 380V, 440V, 460V, 480V

PROJECTION

SCALE1/1

Q' TY1

DRAWNLEE.G.H

CHECKED

REVIEWED

APPROVED

MODEL

DAM

2010.07.30

CODE NO

L K HOIST CO., LTD.

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	HOISTING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	3.5 - 4 - 46	
4. RATED POWER	3.5 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	460 V	60HZ
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	30 MIN	
8. LOCATION	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	80℃	
11. FULL LOAD SPEED	1740 RPM	
12. FULL LOAD CURRENT	8.2 A	
13. STARTING CURRENT AT RATED VOLTAGE	39.6 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	73.4 %	
16. POWER FACTOR AT 100% RATED LOAD	73.0 %	
17. STARTING TORQUE	245 %	
18. TYPE OF ENCLOSURE	전폐형(IP-54)	
19. TYPE OF BEARING	PL : 6205DD OPL : 6008ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.75 - 4 - 46	
4. RATED POWER	0.75 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	460 V 60HZ	
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1670 RPM	
12. FULL LOAD CURRENT	2.3 A	
13. STARTING CURRENT AT RATED VOLTAGE	12.6 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	65 %	
16. POWER FACTOR AT 100% RATED LOAD	63 %	
17. STARTING TORQUE	250 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6008DD OPL : 6207ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.4 - 6 - 46	
4. RATED POWER	0.4 KW × 6 P	
5. RATED VOLTAGE AND FREQUENCY	460 V 60HZ	
6. ROTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1140 RPM	
12. FULL LOAD CURRENT	1.53 A	
13. STARTING CURRENT AT RATED VOLTAGE	8.4 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	65 %	
16. POWER FACTOR AT 100% RATED LOAD	63 %	
17. STARTING TORQUE	249 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6008DD OPL : 6207ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPERATURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.75/0.25 - 4/12 - 46	
4. RATED POWER	0.75/0.25 KW × 4/12 P	
5. RATED VOLTAGE AND FREQUENCY	460 V	60HZ
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1670 / 550 RPM	
12. FULL LOAD CURRENT	2.3 / 1.44 A	
13. STARTING CURRENT AT RATED VOLTAGE	12.7 / 7.92 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	65 / 48 %	
16. POWER FACTOR AT 100% RATED LOAD	63 / 45 %	
17. STARTING TORQUE	250 / 243 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6008DD OPL : 6207ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	