

POWER CIRCUIT
TRAVELLING POWER SUPPLY SYSTEM

ADDRESS NO.
A1



-NOTE-

- 1. - - - - MARKED OWNER SCOPE
- 2. ———— MARKED CRANE MAKER SCOPE

| | | | | | |
|--------------------------------------|--------------------|---------|----------|----------------|---------------------|
| TITLE MAIN POWER CIRCUIT DIAGRAM1 | | | | PROJECTION | |
| WORK NO 601 | WORK NAME SHDBM | | | SCALE 1/1 | Q' TY 1 |
| DRAWN LEE G.H. 2010.07.30 | | CHECKED | REVIEWED | APPROVED | DRAWING NO SHDBM |
| | | | | CODE NO | |
| L K HOIST CO., LTD. | | | | | |



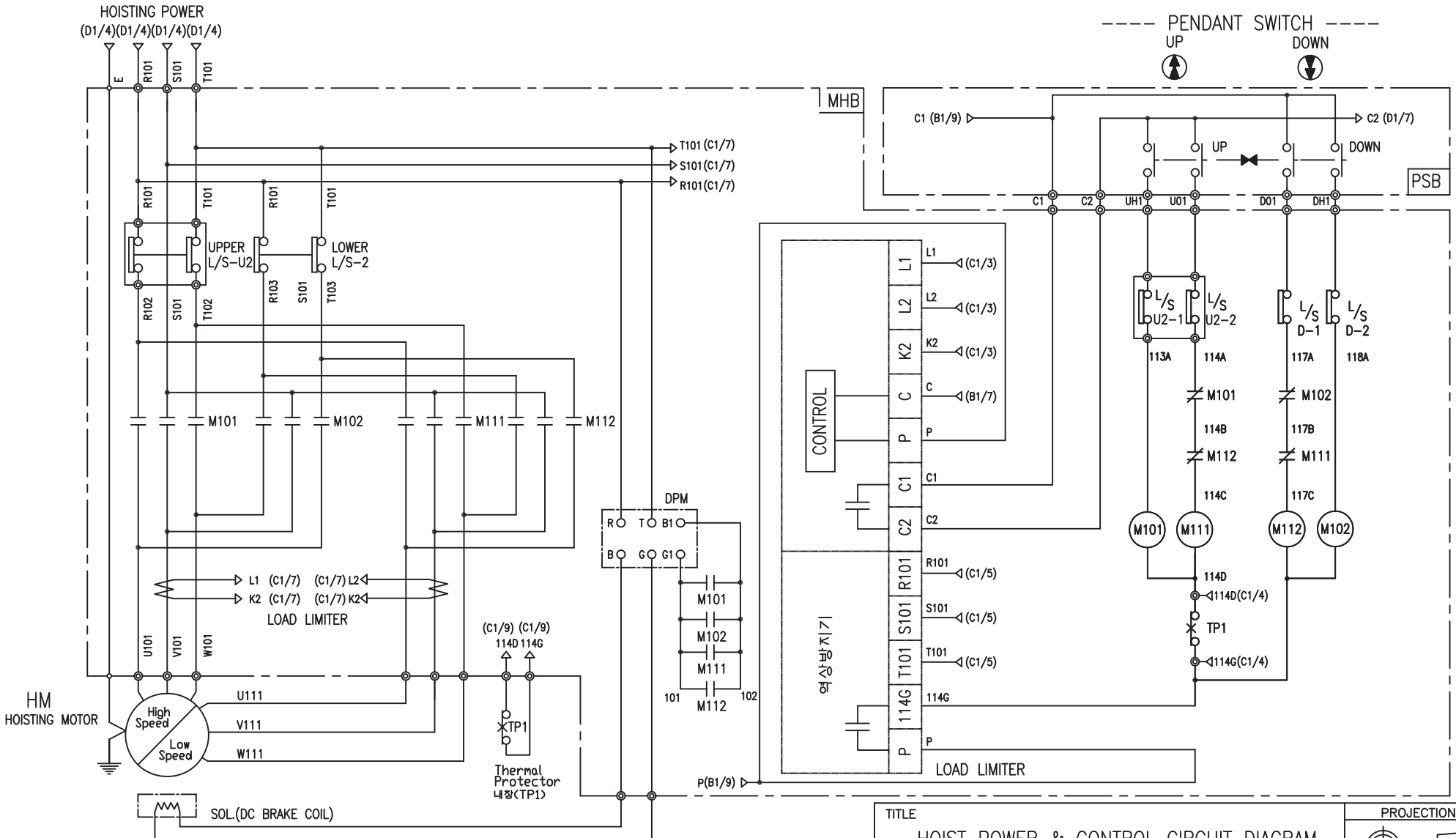
-NOTE-

1. ----- MARKER OWNER SCOPE
2. 24V인 경우 F21는 3A 적용

HOISTING & TRAVERSING POWER

| SPECIFICATION | NO FUSE BREAKER | MAGNET CONTACT | TRANSFORMER | FUZE | |
|---------------|-----------------|----------------|-------------|---------------|---|
| SYMBOLS | MCCB0 | M0 | TR10 | F11, F12, F21 | |
| DESCRIPTION | 220V | 30A | GMC22 | DMC22 | |
| | 380V | 20A | | | |
| | 440V | 20A | | | |
| | 460V | 20A | | | |
| | 480V | 15A | | | |
| MAKER | LS | LS | DONGA | LK | - |

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



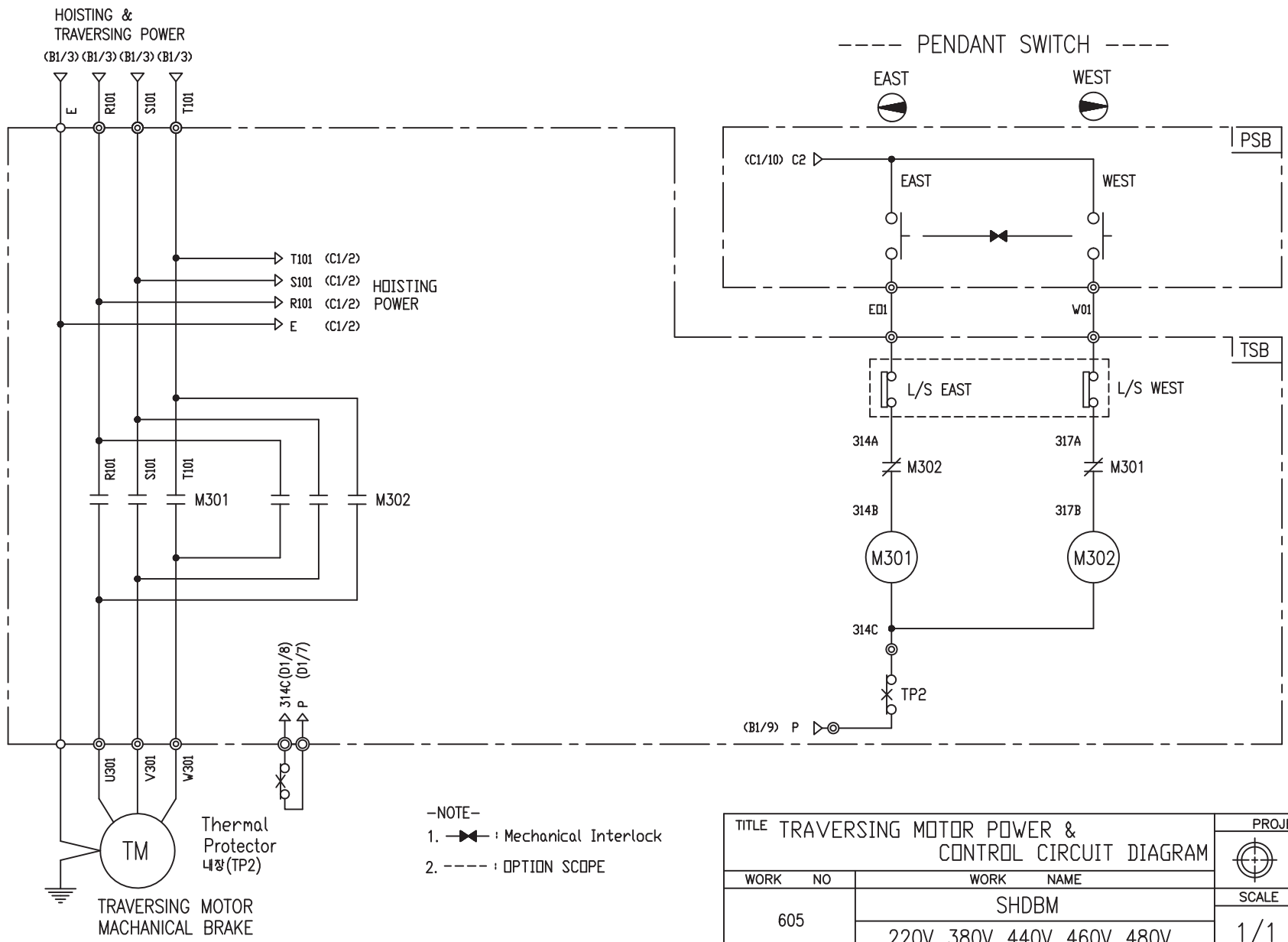
-NOTE-
 1. : Mechanical Interlock

| SPECIFICATION | MAGNET CONTACT | LOAD LIMITER | SILICON RECTIFIER | Thermal Protector | HOIST MOTOR |
|---------------|--------------------------|--------------|-------------------|-------------------|---------------------|
| SYMBOLS | M101, M102 M103, M104 | - | DPM AC220V | TP1 | HM |
| DESCRIPTION | DMC12 | LKDL-601 | DC99V | 17AM032 | 1.8Kw * 2P/0.7Kw*6P |
| MAKER | DONG-A | LK | LK | Texas Instruments | LK |

| | | | | | | | |
|--|--|--------------------|--|----------|--|----------------|--|
| TITLE HOIST POWER & CONTROL CIRCUIT DIAGRAM | | | | | | PROJECTION | |
| WORK NO 603 | | WORK NAME SHDBM | | | | SCALE 1/1 | |
| 220V | | DRAWN LEE.G.H | | REVIEWED | | APPROVED | |
| 2010.07.30 | | MODEL SHDBM | | CODE NO | | 1 | |
| L K HOIST CO., LTD. | | | | | | | |

TRAVERSING POWER CIRCUIT

TRAVERSING CONTROL CIRCUIT



| | | | |
|---------------|----------------|-------------------|----------------------|
| 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 |

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

SCHEDULE OF TECHNICAL DATA

| | |
|---|-----------------------------|
| 1. SERVICE | HOISTING |
| 2. MANUFACTURE | LK HOIST CO. LTD |
| 3. MOTOR MODEL NO | 1.8/0.7 - 2/6 - 22 |
| 4. RATED POWER | 1.8/0.7 KW × 2/6 P |
| 5. RATED VOLTAGE AND FREQUENCY | 220 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 | 3440/1140 RPM |
| 12. FULL LOAD CURRENT | 12/4.5 A |
| 13. STARTING CURRENT AT RATED VOLTAGE | 62.4/23.4 A |
| 14. MINIMUM STARTING VOLTAGE | 198 V |
| 15. EFFICIENCY AT 100% RATED LOAD | 64/64 % |
| 16. POWER FACTOR AT 100% RATED LOAD | 64/64 % |
| 17. STARTING TORQUE | 235 % |
| 18. TYPE OF ENCLOSURE | 전폐형 |
| 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 |

SCHEDULE OF TECHNICAL DATA

| | |
|---|-----------------------------|
| 1. SERVICE | TRAVERSING |
| 2. MANUFACTURE | LK HOIST CO. LTD |
| 3. MOTOR MODEL NO | 0.75 - 4 - 22 |
| 4. RATED POWER | 0.75 KW × 4 P |
| 5. RATED VOLTAGE AND FREQUENCY | 220 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 | 4.8 A |
| 13. STARTING CURRENT AT RATED VOLTAGE | 26.4 A |
| 14. MINIMUM STARTING VOLTAGE | 198 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 |

SCHEDULE OF TECHNICAL DATA

| | |
|---|-----------------------------|
| 1. SERVICE | TRAVERSING |
| 2. MANUFACTURE | LK HOIST CO. LTD |
| 3. MOTOR MODEL NO | 0.4 - 6 - 22 |
| 4. RATED POWER | 0.4 KW × 6 P |
| 5. RATED VOLTAGE AND FREQUENCY | 220 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 | 3.2 A |
| 13. STARTING CURRENT AT RATED VOLTAGE | 17.5 A |
| 14. MINIMUM STARTING VOLTAGE | 198 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 TEMPERATURE | 40℃ |
| 22. BEARING LUBRICATION | GREASE |
| 23. STARTING METHOD | FULL VOLTAGE |

SCHEDULE OF TECHNICAL DATA

| | |
|---|-----------------------------|
| 1. SERVICE | TRAVERSING |
| 2. MANUFACTURE | LK HOIST CO. LTD |
| 3. MOTOR MODEL NO | 0.75/0.25 - 4/12 - 22 |
| 4. RATED POWER | 0.75/0.25 KW × 4/12 P |
| 5. RATED VOLTAGE AND FREQUENCY | 220 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 | 4.8 / 3.0 A |
| 13. STARTING CURRENT AT RATED VOLTAGE | 26.4 / 16.5 A |
| 14. MINIMUM STARTING VOLTAGE | 198 V |
| 15. EFFICIENCY AT 100% RATED LOAD | 65 / 48 % |
| 16. POWER FACTOR AT 100% RATED LOAD | 63 / 46 % |
| 17. STARTING TORQUE | 249 / 245 % |
| 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 |