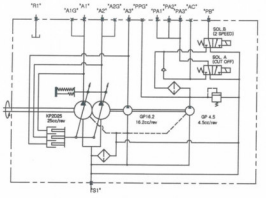
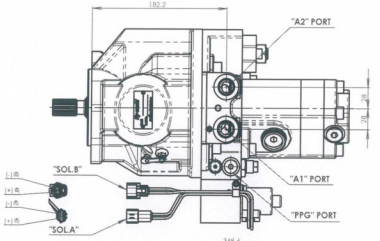
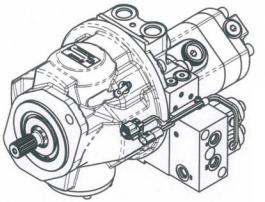
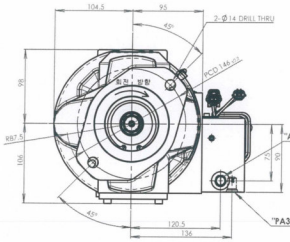
#3

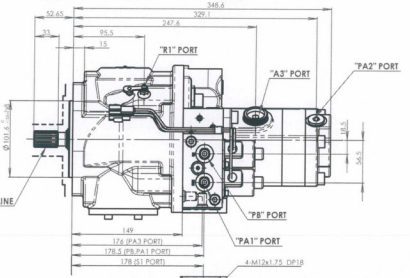


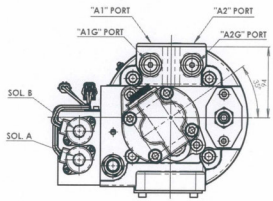

CIRCUIT DIAGRAM






| SOL. A CONNECTOR SPEC | | | |
|---|---|---|---|
| CONNECTOR COVER | TCP 19 | TERMINAL | AMP 0-0171851-1 |
| CONNECTOR HOUSING | AMP 0-0174354-2 | WIRE SEAL | AMP 0-0172888-2 |
| DOUBLE LOCK(DBL) | AMP 0-0174355-7 | WIRE LENGTH | 550±30mm |

| INVOLUTE SPLINE DATA (A) | | |
|---|---|---|
| 잇 수 | Z | 13 |
| 모 듈 | M | 16/32 |
| 압 력 각 | α | 30° |
| 비틀림각 | β | – |
| 비틀림방향 | | – |
| 전위계수 | x | – |
| 기준피치원경 | d | Φ20.6375 |
| 베이스원경 | $d_b$ | – |
| 치 외 경 | $d_a$ | Φ21.8 -0.2 |
| 치저원경 | $d_f$ | Φ18.5 |
| 오버핀경 | $D_r$ | Φ3.048 |
| 오버핀거리 | | 24.981~25.026 |
| 결합방법 | | FLAT ROOT SIDE FIT |
| LEAD 오차 | | 0.017 |
| INDEX 오차 | | 0.05 |
| GEAR 등급 | | KS 5급 |

| OPERATING SPECIFICATIONS | | | | | |
|---|---|---|---|---|---|
| MACHINE MODEL | | KP2025 | | GP 16.2 | GP 4.5 |
| 사용압력 (Working Pressure) | Mpa(kgf/㎠) | 21.6(220) | | 21.6(220) | 2.9(30) |
| 용적 (Displacement) | ㎤ | 25.0X2 | | 16.2 | 4.5 |
| 입출유량 (Delivery Flow) | ℓ/min | 55.0X2 | | 35.6 | 9.9 |
| P3 Power Shift 압력 (P3 Shift Pressure) | Mpa(kgf/㎠) | 2.45(25) | 21.6(220) | 2.45(25) | 21.6(220) |
| 입력마력 (Input Motor Power) | kW(PS) | 31.6(43) | 18.0(24.5) | 1.7(2.3) | 15.3(20.8) |
| 입력축 마력 (Input Shaft/Motor Power) | kW(PS) | 34.0(46.2) | 34.0(46.2) | | |
| 입력토오크 (Input Shaft Torque) | N.m(kgf.m) | 148(15.1) | 148(15.1) | | |
| 제어방식 (Control System) | | 전마력토크 경전곡제어 (Power Shift) Full H.P TIII angle control in consonance with power shift | | | |
| 회전속 (Operating Speed) | min⁻¹ | 2000 | | | |
| 회전방향 (Direction of Rotation) | | 우회전(축방향에서 볼 때) CLOCKWISE(The view from shaft end) | | | |

| PORT SIZE | | |
|---|---|---|
| PORT | TITLE | CONFIGURATION |
| S1 | INPUT PORT | SAE A 1" |
| A1, A2 | OUTPUT PORT | PF (O-RING TYPE) |
| A3 | OUTPUT PORT | PF (O-RING TYPE) |
| PA1,PA2,PA3,PB | OUTPUT PORT | PF (O-RING TYPE) |
| PA2 | OUTPUT PORT | PF (O-RING TYPE) |
| A1G,A2G | GAUGE PORT | PF (O-RING TYPE) |
| PPG,AC | GAUGE PORT | PF (O-RING TYPE) |
| R1 | AIR PORT | M10XP1.0 |

| SPECIFICATION | | | |
|---|---|---|---|
| PISTON PUMP | MAX. PRESSURE | 250 | (kgf/㎠) |
| | RATED PRESSURE | 220 | (kgf/㎠) |
| | MAX. DISPLACEMENT | 25X2 | (㎤/rev) |
| | FLOWRATE | 55.0X2 | (ℓ/min) |
| | ROTATION SPEED | 2200 | (r.p.m) |
| | INPUT TORQUE | 15.1 | (kgf.m) |
| | WEIGHT | 33.5 | (kg) |

- 주 기 -
1. LEAK 시험 : 원드를 밀폐한 후 시험물브와 공기압 1~2kgf/㎠를 인가하여 확인후 1분간 방치 후 공기방울의 발생여부 확인
2. 성능시험은 성능검사 기준서에 준하여 실시 할 것.
3. 도장사양
- 설명 : 1회도장
- 도막두께 : 30μm이상
- 색상 : 코비닐락시프라이머(2액형) VP134-2231
4. 도장시에 ▬ ▬ ▬ 부 제외할 것.

- Note -
1. Leak test : After the pump is, let to input air 1~2kgf/㎠, Next in the bathtub for 1 minutes must be check the occurrence of air bubbles.
2. Performance test must be executed by test standard document.
3. Paint spec
- STATER : ONE COAT
- THICKNESS : OVER 30㎛
- COLOR : COVINYL WASH PRIMER(2 COMPONENT) VP134-2231
4. At the painting, ▬ ▬ ▬ part would exclude.

| 모바일링 | | 기종 | KP2025S-GP1 | 품명 | MAIN PUMP ASS'Y(사양도) |
|---|---|---|---|---|---|
| 승인 | 심중만 | 검토 | | 도번 | KMP3-000001 |
| 검토 | | 마력 | rpm | 무게 | 축도 1:2 1 1 장중 1 번활 |
| 제 작 | | 완료일 | 2014.1.22 | 중량 | kg 도면크기 A1 |
| 제 도 | | | | | 에스에프하이웰드(주) |