

Job: 18-001

Furnace SierraTherm 12-Zone

Model 1K14-150C72-12A sn 7289

Profile:

APPLE 1105 material
21 min

DATE:

4/3/2023
10 Mar 23

Furnace Criteria

| | MIN deg C | MAX deg C | DURATION minutes |
|-----|-----------|-----------|------------------|
| Min | | 525 | 15 |
| Min | | 400 | 15 |

| Sample | Dia | High |
|------------|-----|------|
| round disc | 8" | |
| TOTAL | | |

SierraTherm Process Configuration

| Section | LOAD | COLL | 1 | 2 | 3 | EXH | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | TRANS | COOL1 | COOL2 | EXIT | UNLOAD |
|---------|------|------|-------|-------|-------|------|-------|-------|-------|--------|--------|--------|-------|-------|-------|--------|-------|-------|------|--------|
| Start | | 0 | 11 | 29.25 | 41.75 | 52 | 55.25 | 67.75 | 80.25 | 92.75 | 105.25 | 117.75 | 130.3 | 142.8 | 155.3 | 167.75 | 194 | 217 | 236 | |
| Length | 24 | 11 | 18.25 | 12.5 | 10.25 | 3.25 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 26.25 | 23 | 19 | 8 | 24 |
| End | | 11 | 29.25 | 41.75 | 52 | 55.3 | 67.75 | 80.25 | 92.75 | 105.25 | 117.75 | 130.25 | 142.8 | 155.3 | 167.8 | 194 | 217 | 236 | 244 | 292 |

| Profile | Time | ENTR COLL & BURNOUT | POWER SETTINGS | | | | | | | | | | | | BELT SPEED in/minute | FLOWMETER SETTINGS | | | | | Time Above deg C | COMMENT | |
|---------|----------|---------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|----------------------|-------------------------|----------------------|----------------------|----------------|----------------|------------------|----------------------|----------------|
| | | | ZONE 1 deg C | ZONE 2 deg C | ZONE 3 deg C | ZONE 4 deg C | ZONE 5 deg C | ZONE 6 deg C | ZONE 7 deg C | ZONE 8 deg C | ZONE 9 deg C | ZONE 10 deg C | ZONE 11 deg C | ZONE 12 deg C | | Entrance Collector SCFH | Burnout Section SCFH | Exhaust Stack IN H2O | Cooling 1 SCFH | Cooling 2 SCFH | | | |
| 350 | | -- | 357 | 380 | 365 | 325 | 340 | 330 | 340 | 335 | 305 | 350 | 325 | 310 | 2.6 | 50 | 150 | 0.15 | 100 | 100 | | recipe: 480AgGls.rcp | |
| 400 | | -- | 407 | 590 | 415 | 375 | 390 | 380 | 390 | 385 | 355 | 400 | 375 | 360 | 6 | 50 | 150 | 0.15 | 300 | 100 | | recipe 640Apple.rcp | |
| Run 1 | 525 | | 450 | 560 | 540 | 505 | 510 | 510 | 510 | 515 | 520 | 470 | 410 | 380 | 3.8 | | | | | | | | 525 Ap 3-8.rcp |
| Run 2 | 400 | | 440 | 460 | 425 | 395 | 400 | 395 | 400 | 400 | 390 | 405 | 365 | 330 | 3.8 | | | | | | | | |
| Run 3 | 350 | | 390 | 390 | 375 | 350 | 350 | 350 | 350 | 355 | 360 | 330 | 300 | 3.8 | | | | | | | | | |
| Run 4 | 4/3/2023 | | | | | | | | | | | | | | | | | | | | | | |
| Run 5 | 9-44 n | | 440 | 460 | 425 | 395 | 400 | 395 | 400 | 400 | 390 | 405 | 365 | 330 | 3.5 | | | | | | | | |
| Run 6 | MAX EXIT | | 360 | 443 | 424 | 425 | 425 | 423 | 422 | 423 | 430 | | | | | | | | | | | | |
| Run 7 | | | 440 | 440 | 425 | 395 | 395 | 395 | 395 | 395 | 390 | 400 | 365 | 300 | 3.8 | | | | | | | | 460 Ap 3-8.rcp |
| Run 8 | | | | | | | | | | | | | | | | | | | | | | | |
| Run 9 | | | | | | | | | | | | | | | | | | | | | | | |
| Run 10 | | | 390 | 390 | 375 | 350 | 350 | 350 | 350 | 355 | 360 | 330 | 300 | 3.8 | | | | | | | | | 350 Ap 3-8.rcp |
| Run 11 | | | | | | | | | | | | | | | | | | | | | | | |
| Run 12 | | | | | | | | | | | | | | | | | | | | | | | |
| Run 13 | | | | | | | | | | | | | | | | | | | | | | | |
| Run 14 | | | | | | | | | | | | | | | | | | | | | | | |
| Run 15 | | | | | | | | | | | | | | | | | | | | | | | |