|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Time (min) | Set Temperature (°C) | Flow rate (m/s) | Density(g/cm3) | Desiccant Exhaust Temperature (°C) | Desiccant Intake temperature (°C) | Supplied Air Temperature (°C) | Supplied Air Relative Humidity (%) | New Air Temperature (°C) | New Air Relative Humidity (%) |
| 0 | 60 | 17.365 | 1.41101 | 17 | 13 | 20.8 | 39 | 19.6 | 38 |
| 20 | 60 | 17.365 | 1.410609 | 17.2 | 13.2 | 20.4 | 41.3 | 19.3 | 40.5 |
| 40 | 60 | 17.365 | 1.423844 | 17.4 | 13.4 | 22 | 41.1 | 19.4 | 40.7 |
| 60 | 60 | 17.365 | 1.425248 | 17.6 | 13.6 | 22.1 | 41.1 | 19.3 | 40 |
| 80 | 60 | 17.365 | 1.428056 | 17.8 | 13.8 | 22.1 | 38.6 | 19 | 37.6 |
|  |
| 0 | 60 | 12.74 | 1.42605 | 19 | 15 | 23.8 | 37.9 | 23.6 | 32.5 |
| 20 | 60 | 12.74 | 1.431064 | 19 | 15 | 22.5 | 36.4 | 20 | 34.8 |
| 40 | 60 | 12.74 | 1.434072 | 19.2 | 15.2 | 24.1 | 36.4 | 20 | 35 |
| 60 | 60 | 12.74 | 1.437481 | 19.4 | 15.4 | 24.9 | 35.4 | 20.6 | 34.6 |
| 80 | 60 | 12.74 | 1.436077 | 19.5 | 15.5 | 25.1 | 34.1 | 20.8 | 32.4 |
| 5 |
| 0 | 60 | 5.47 | 1.429861 | 19.6 | 15 | 24.9 | 34.3 | 20.4 | 34.5 |
| 20 | 60 | 5.47 | 1.446907 | 19.5 | 15.5 | 26 | 36.1 | 22.1 | 32 |
| 40 | 60 | 5.47 | 1.453123 | 19.8 | 15.8 | 27.6 | 33.8 | 23.3 | 29.4 |
| 60 | 60 | 5.47 | 1.455329 | 19.8 | 15.8 | 27.8 | 33.6 | 22.6 | 29.6 |
| 80 | 60 | 5.47 | 1.460744 | 20 | 16 | 27.6 | 33 | 22 | 31.3 |
|  |
| 0 | 45 | 17.365 | 1.380527 | 12.9 | 8.9 | 14.3 | 50.1 | 14.4 | 46.5 |
| 20 | 45 | 17.365 | 1.386744 | 13.7 | 9.7 | 16.3 | 50.3 | 12.5 | 54.1 |
| 40 | 45 | 17.365 | 1.384939 | 14.1 | 10.1 | 17 | 48.6 | 12.9 | 52.1 |
| 60 | 45 | 17.365 | 1.389953 | 14.8 | 10.8 | 17.5 | 47.9 | 13.5 | 50.5 |
| 80 | 45 | 17.365 | 1.391958 | 15.4 | 11.4 | 17.8 | 47 | 13.5 | 50.1 |
|  |
| 0 | 45 | 12.74 | 1.386945 | 18 | 14 | 19.9 | 43.6 | 19 | 39.8 |
| 20 | 45 | 12.74 | 1.39276 | 18.1 | 14.1 | 19.9 | 44.1 | 16.6 | 42.6 |
| 40 | 45 | 12.74 | 1.39617 | 18.1 | 14.1 | 19.1 | 41.6 | 16.6 | 43.1 |
| 60 | 45 | 12.74 | 1.399779 | 18.4 | 14.4 | 20.6 | 44.1 | 16.8 | 43.6 |
| 80 | 45 | 12.74 | 1.405595 | 18.6 | 14.6 | 20.9 | 43.6 | 16.5 | 43.3 |
|  |
| 0 | 45 | 5.47 | 1.397975 | 18.6 | 14.6 | 20.6 | 43.8 | 17.5 | 41.4 |
| 20 | 45 | 5.47 | 1.401584 | 18.7 | 14.7 | 21.8 | 44.1 | 17.6 | 41.4 |
| 40 | 45 | 5.47 | 1.402186 | 18.7 | 14.7 | 22.1 | 43.1 | 17.9 | 38.9 |
| 60 | 45 | 5.47 | 1.406197 | 18.8 | 14.8 | 22.6 | 42.6 | 17.4 | 38.9 |
| 80 | 45 | 5.47 | 1.409806 | 18.8 | 14.8 | 23 | 42.1 | 17.9 | 37.6 |
|  |
| 0 | 30 | 17.365 | 1.355860824 | 8.1 | 4.1 | 9.5 | 59.8 | 9.1 | 57.5 |
| 20 | 30 | 17.365 | 1.359270029 | 8.5 | 4.5 | 11.6 | 56.8 | 9.3 | 56.9 |
| 40 | 30 | 17.365 | 1.353053244 | 8.6 | 4.6 | 12.6 | 54.4 | 10 | 53.6 |
| 60 | 30 | 17.365 | 1.363280858 | 10 | 6 | 13.5 | 52.6 | 10.8 | 51.3 |
| 80 | 30 | 17.365 | 1.367091146 | 12 | 8 | 13.6 | 51.8 | 11.3 | 51.5 |
|  |
| 0 | 30 | 12.74 | 1.371503 | 13.3 | 9.3 | 15.1 | 49 | 14.5 | 42.8 |
| 20 | 30 | 12.74 | 1.374311 | 13.3 | 9.3 | 15.8 | 47.1 | 13.3 | 43.1 |
| 40 | 30 | 12.74 | 1.374712 | 13.4 | 9.4 | 15.8 | 47.6 | 13.1 | 43.3 |
| 60 | 30 | 12.74 | 1.379725 | 13.5 | 9.5 | 16.1 | 45.6 | 13.1 | 43.5 |
| 80 | 30 | 12.74 | 1.379324 | 13.6 | 9.6 | 16.5 | 47.4 | 13.1 | 43.6 |
|  |
| 0 | 30 | 5.47 | 1.377319 | 15.1 | 11.1 | 16.4 | 44.5 | 14.1 | 40.9 |
| 20 | 30 | 5.47 | 1.381731 | 15.3 | 11.3 | 17.1 | 46.8 | 14.3 | 40.6 |
| 40 | 30 | 5.47 | 1.383134 | 15.1 | 11.1 | 17.9 | 45.8 | 15.1 | 39.1 |
| 60 | 30 | 5.47 | 1.384939 | 15 | 11 | 17.1 | 47.3 | 15.1 | 38.5 |
| 80 | 30 | 5.47 | 1.379926 | 14.9 | 10.9 | 18.1 | 46.6 | 14.8 | 39.5 |