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| **Equivalence Class Design** | | | | | | | | | |
| **Valid EC** |  |  |  |  | | **Invalid EC** | |  |  |
| **EC ID** | **Condition** | | | |  | **EC ID** | **Condition** | | |
| V1 | 1000 <= x1(พัดลม) <= 5000 | | | |  | IV1 | x1(พัดลม) < 1000 | | |
| V2 | 300 <= x2(มอเตอร์) <= 800 | | | |  | IV2 | 5000 < x1(พัดลม) | | |
| V3 | 500 <= x3(กระจัง) <= 3000 | | | |  | IV3 | x2(มอเตอร์) < 300 | | |
|  |  | | | |  | IV4 | 800 < x2(มอเตอร์) | | |
|  |  | | | |  | IV5 | x3(กระจัง) < 500 | | |
|  |  | | | |  | IV6 | 3000 < x3(กระจัง) | | |
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| **Test Case Design and Test Results** | | | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Project Name:** | Income | | | | | | | **Project ID:** | | EC-Lab5-01 | | | |
| **Test Strategy:** | Strong Robust Equivalence Class Testing | | | | | | | **Designer:** | | Panya Suriwan | | | |
| **Test Environment:** | |  | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC01 | 3000 | 550 | 1500 | 76500 | | | | | 76500 | | | Pass |
| TC02 | 3000 | 550 | 250 | -1 | | | | | -1 | | | Pass |
| TC03 | 3000 | 550 | 3250 | -1 | | | | | 111500 | | | Fail |
| TC04 | 3000 | 50 | 1500 | -1 | | | | | -1 | | | Pass |
| TC05 | 3000 | 50 | 250 | -1 | | | | | -1 | | | Pass |
| TC06 | 3000 | 50 | 3250 | -1 | | | | | -1 | | | Pass |
| TC07 | 3000 | 1050 | 1500 | -1 | | | | | 91500 | | | Fail |
| TC08 | 3000 | 1050 | 250 | -1 | | | | | -1 | | | Pass |
| TC09 | 3000 | 1050 | 3250 | -1 | | | | | 126500 | | | Fail |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC10 | 500 | 550 | 1500 | -1 | | | | | -1 | | | Pass |
| TC11 | 500 | 550 | 250 | -1 | | | | | -1 | | | Pass |
| TC12 | 500 | 550 | 3250 | -1 | | | | | -1 | | | Pass |
| TC13 | 500 | 50 | 1500 | -1 | | | | | -1 | | | Pass |
| TC14 | 500 | 50 | 250 | -1 | | | | | -1 | | | Pass |
| TC15 | 500 | 50 | 3250 | -1 | | | | | -1 | | | Pass |
| TC16 | 500 | 1050 | 1500 | -1 | | | | | -1 | | | Pass |
| TC17 | 500 | 1050 | 250 | -1 | | | | | -1 | | | Pass |
| TC18 | 500 | 1050 | 3250 | -1 | | | | | -1 | | | Pass |
| TC19 | 6000 | 550 | 1500 | -1 | | | | | 106500 | | | Fail |
| TC20 | 6000 | 550 | 250 | -1 | | | | | -1 | | | Pass |
| TC21 | 6000 | 550 | 3250 | -1 | | | | | 141500 | | | Fail |
| TC22 | 6000 | 50 | 1500 | -1 | | | | | -1 | | | Pass |
| TC23 | 6000 | 50 | 250 | -1 | | | | | -1 | | | Pass |
| TC24 | 6000 | 50 | 3250 | -1 | | | | | -1 | | | Pass |

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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC25 | 6000 | 1050 | 1500 | -1 | 121500 | Fail |
| TC26 | 6000 | 1050 | 250 | -1 | -1 | Pass |
| TC27 | 6000 | 1050 | 3250 | -1 | 156500 | Fail |
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| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-01 | Income | 27 | 20 | 7 | 0 | 0 |  |  |
| **รวม** | | 27 | 20 | 7 | 0 | 0 |  |  |