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| **Equivalence Class Design** | | | | | | | | | |
| **Valid EC** |  |  |  |  | | **Invalid EC** | |  |  |
| **EC ID** | **Condition** | | | |  | **EC ID** | **Condition** | | |
| EC001 | V1:1000<=ใบพัด<=5000 | | | |  | EC004 | NV1:ใบพัด<1000 | | |
| EC002 | V2:300<=มอเตอร์<=800 | | | |  | EC005 | NV2:มอเตอร์<300 | | |
| EC003 | V3:500>=กระจังหน้า-หลัง<=3000 | | | |  | EC006 | NV3:กระจังหน้า-หลัง<500 | | |
|  |  | | | |  | EC007 | NV4:ใบพัด>5000 | | |
|  |  | | | |  | EC008 | NV5:มอเตอร์>800 | | |
|  |  | | | |  | EC009 | NV6:กระจังหน้า-หลัง>3000 | | |
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| **Test Case Design and Test Results** | | | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Project Name:** | Income | | | | | | | **Project ID:** | |  | | | |
| **Test Strategy:** | Strong Robust Equivalence Class Testing | | | | | | | **Designer:** | | Aekmongkhon Phonsena | | | |
| **Test Environment:** | |  | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจังหน้า-หลัง |
| TC01 | 3000 | 500 | 1500 | 46000.0 | | | | | 75000.0 | | | Fail |
| TC02 | 3000 | 500 | 400 | -1.0 | | | | | -1.0 | | | Pass |
| TC03 | 3000 | 500 | 3100 | -1.0 | | | | | 107000.0 | | | Fail |
| TC04 | 3000 | 200 | 1500 | -1.0 | | | | | -1.0 | | | Pass |
| TC05 | 3000 | 900 | 1500 | -1.0 | | | | | 87000.0 | | | Fail |
| TC06 | 3000 | 200 | 400 | -1.0 | | | | | -1.0 | | | Pass |
| TC07 | 900 | 500 | 1500 | -1.0 | | | | | -1.0 | | | Pass |
| TC08 | 5100 | 500 | 1500 | -1.0 | | | | | 96000.0 | | | Fail |
| TC09 | 900 | 200 | 1500 | -1.0 | | | | | -1.0 | | | Pass |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจังหน้า-หลัง |
| TC10 | 900 | 900 | 1500 | -1.0 | | | | | -1.0 | | | Pass |
| TC11 | 5100 | 900 | 1500 | -1.0 | | | | | 108000.0 | | | Fail |
| TC12 | 5100 | 200 | 1500 | -1.0 | | | | | -1.0 | | | Pass |
| TC13 | 900 | 500 | 400 | -1.0 | | | | | -1.0 | | | Pass |
| TC14 | 900 | 500 | 3100 | -1.0 | | | | | -1.0 | | | Pass |
| TC15 | 900 | 200 | 400 | -1.0 | | | | | -1.0 | | | Pass |
| TC16 | 900 | 200 | 3100 | -1.0 | | | | | -1.0 | | | Pass |
| TC17 | 900 | 900 | 400 | -1.0 | | | | | -1.0 | | | Pass |
| TC18 | 900 | 900 | 3100 | -1.0 | | | | | -1.0 | | | Pass |
| TC19 | 5100 | 500 | 400 | -1.0 | | | | | -1.0 | | | Pass |
| TC20 | 5100 | 500 | 3100 | -1.0 | | | | | 128000.0 | | | Fail |
| TC21 | 5100 | 200 | 400 | -1.0 | | | | | -1.0 | | | Pass |
| TC22 | 5100 | 200 | 3100 | -1.0 | | | | | -1.0 | | | Pass |
| TC23 | 5100 | 900 | 400 | -1.0 | | | | | -1.0 | | | Pass |
| TC24 | 5100 | 900 | 3100 | -1.0 | | | | | 140000.0 | | | Fail |

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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจังหน้า-หลัง |
| TC25 | 3000 | 900 | 400 | -1.0 | -1.0 | Pass |
| TC26 | 3000 | 900 | 3100 | -1.0 | 119000.0 | Fail |
| TC27 | 3000 | 200 | 3100 | -1.0 | -1.0 | Pass |
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| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-01 | Income | 27 | 19 | 8 | - | - |  |  |
| **รวม** | | 27 | 19 | 8 |  |  |  |  |