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| **Equivalence Class Design** | | | | | | | | | |
| **Valid EC** |  |  |  |  | | **Invalid EC** | |  |  |
| **EC ID** | **Condition** | | | |  | **EC ID** | **Condition** | | |
| EC01 | ขายใบพัดได้ 1000 – 3000 ชิ้น | | | |  | EC07 | ขายใบพัดได้ไม่ถึง 1000 ชิ้น | | |
| EC02 | ขายใบพัดได้ 3001 – 5000 ชิ้น | | | |  | EC08 | ขายใบพัดได้มากกว่า 5000 ชิ้น | | |
| EC03 | ขายมอเตอร์ได้ 200 – 500 ตัว | | | |  | EC09 | ขายมอเตอร์ได้ไม่ถึง 300 ชิ้น | | |
| EC04 | ขายมอเตอร์ได้ 501 – 800 ตัว | | | |  | EC10 | ขายมอเตอร์ได้มากกว่า 800 ชิ้น | | |
| EC05 | ขายกระจังได้ 1000 – 2000 คู่ | | | |  | EC11 | ขายกระจังได้ไม่ถึง 500 คู่ | | |
| EC06 | ขายกระจังได้ 2001 – 3000 คู่ | | | |  | EC12 | ขายกระจังได้มากกว่า 3000 คู่ | | |
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| **Test Case Design and Test Results** | | | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Project Name:** | Income | | | | | | | **Project ID:** | |  | | | |
| **Test Strategy:** | Strong Robust Equivalence Class Testing | | | | | | | **Designer:** | | อดิเทพ มานันที | | | |
| **Test Environment:** | |  | | | | | | | | | | | |
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| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC01 | 1000 | 150 | 450 | -1 | | | | | -1 | | | Pass |
| TC02 | 1000 | 150 | 1500 | -1 | | | | | -1 | | | Pass |
| TC03 | 1000 | 150 | 2500 | -1 | | | | | -1 | | | Pass |
| TC04 | 1000 | 150 | 3500 | -1 | | | | | -1 | | | Pass |
| TC05 | 1000 | 300 | 450 | -1 | | | | | -1 | | | Pass |
| TC06 | 1000 | 300 | 1500 | 49000 | | | | | 49000 | | | Pass |
| TC07 | 1000 | 300 | 2500 | 69000 | | | | | 69000 | | | Pass |
| TC08 | 1000 | 300 | 3500 | -1 | | | | | 89000 | | | Fail |
| TC09 | 1000 | 600 | 450 | -1 | | | | | -1 | | | Pass |
|  |  |  |  |  | | | | |  | | |  |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC10 | 1000 | 600 | 1500 | 58000 | | | | | 58000 | | | Pass |
| TC11 | 1000 | 600 | 2500 | 78000 | | | | | 78000 | | | Pass |
| TC12 | 1000 | 600 | 3500 | -1 | | | | | 98000 | | | Fail |
| TC13 | 1000 | 900 | 450 | -1 | | | | | -1 | | | Pass |
| TC14 | 1000 | 900 | 1500 | -1 | | | | | 67000 | | | Fail |
| TC15 | 1000 | 900 | 2500 | -1 | | | | | 87000 | | | Fail |
| TC16 | 1000 | 900 | 3500 | -1 | | | | | 107000 | | | Fail |
| TC17 | 500 | 150 | 450 | -1 | | | | | -1 | | | Pass |
| TC18 | 500 | 150 | 1500 | -1 | | | | | -1 | | | Pass |
| TC19 | 500 | 150 | 2500 | -1 | | | | | -1 | | | Pass |
| TC20 | 500 | 150 | 3500 | -1 | | | | | -1 | | | Pass |
| TC21 | 500 | 300 | 450 | -1 | | | | | -1 | | | Pass |
| TC22 | 500 | 300 | 1500 | -1 | | | | | -1 | | | Pass |
| TC23 | 500 | 300 | 2500 | -1 | | | | | -1 | | | Pass |
| TC24 | 500 | 300 | 3500 | -1 | | | | | -1 | | | Pass |

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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC25 | 500 | 600 | 450 | -1 | -1 | Pass |
| TC26 | 500 | 600 | 1500 | -1 | -1 | Pass |
| TC27 | 500 | 600 | 2500 | -1 | -1 | Pass |
| TC28 | 500 | 600 | 3500 | -1 | -1 | Pass |
| TC29 | 500 | 900 | 450 | -1 | -1 | Pass |
| TC30 | 500 | 900 | 1500 | -1 | -1 | Pass |
| TC31 | 500 | 900 | 2500 | -1 | -1 | Pass |
| TC32 | 500 | 900 | 3500 | -1 | -1 | Pass |
| TC33 | 3500 | 150 | 450 | -1 | -1 | Pass |
| TC34 | 3500 | 150 | 1500 | -1 | -1 | Pass |

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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC35 | 3500 | 150 | 2500 | -1 | -1 | Pass |
| TC36 | 3500 | 150 | 3500 | -1 | -1 | Pass |
| TC37 | 3500 | 300 | 450 | -1 | -1 | Pass |
| TC38 | 3500 | 300 | 1500 | 74000 | -1 | Fail |
| TC39 | 3500 | 300 | 2500 | 94000 | -1 | Fail |
| TC40 | 3500 | 300 | 3500 | -1 | 114000 | Fail |
| TC41 | 3500 | 600 | 450 | -1 | -1 | Pass |
| TC42 | 3500 | 600 | 1500 | 83000 | 83000 | Pass |
| TC43 | 3500 | 600 | 2500 | 103000 | 103000 | Pass |
| TC44 | 3500 | 600 | 3500 | -1 | 123000 | Fail |

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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC45 | 3500 | 900 | 450 | -1 | -1 | Pass |
| TC46 | 3500 | 900 | 1500 | -1 | 92000 | Fail |
| TC47 | 3500 | 900 | 2500 | -1 | 112000 | Fail |
| TC48 | 3500 | 900 | 3500 | -1 | 132000 | Fail |
| TC49 | 5500 | 150 | 450 | -1 | -1 | Pass |
| TC50 | 5500 | 150 | 1500 | -1 | -1 | Pass |
| TC51 | 5500 | 150 | 2500 | -1 | -1 | Pass |
| TC52 | 5500 | 150 | 3500 | -1 | -1 | Pass |
| TC53 | 5500 | 300 | 450 | -1 | -1 | Pass |
| TC54 | 5500 | 300 | 1500 | -1 | 94000 | Fail |

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| --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| ใบพัด | มอเตอร์ | กระจัง |
| TC55 | 5500 | 300 | 2500 | -1 | 114000 | Fail |
| TC56 | 5500 | 300 | 3500 | -1 | 134000 | Fail |
| TC57 | 5500 | 600 | 450 | -1 | -1 | Pass |
| TC58 | 5500 | 600 | 1500 | -1 | 103000 | Fail |
| TC59 | 5500 | 600 | 2500 | -1 | 123000 | Fail |
| TC60 | 5500 | 600 | 3500 | -1 | 143000 | Fail |
| TC61 | 5500 | 900 | 450 | -1 | -1 | Pass |
| TC62 | 5500 | 900 | 1500 | -1 | 112000 | Fail |
| TC63 | 5500 | 900 | 2500 | -1 | 132000 | Fail |
| TC64 | 5500 | 900 | 3500 | -1 | 152000 | Fail |

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| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-01 | Income | 64 | 45 | 19 | 0 | 0 |  |  |
| **รวม** | | 64 | 45 | 19 | 0 | 0 |  |  |