



Client: Folding Sliding Doors Canada Ltd.  
 Project Number: G104596649  
 Window 7.4 Database: J9136.03-W7.mdb  
 Spacer: Cardinal Endur SS-D  
 Model Type: FD73 Aluminum Folding Door System (1 Lite Configuration)

Date: 24-Mar-21  
 Simulated by: Jonathan P. Spencer  
 Reviewed by: Eric S. Leitner  
 Standard: CSA A440.2-14

| ID | Manufacturer Product ID                          | Glazing Details  | LowE Emissivity  | Gap / Fill              | Spacer | Divider | Air Leakage Infiltration [L/s·m <sup>2</sup> ] | Air Leakage Exfiltration [L/s·m <sup>2</sup> ] | Visual Transmittance (VT) | Overall U-Factor [W/m <sup>2</sup> ·°C] | SHGC <sub>w</sub> | Energy Rating ER | Energy Star Requirement |
|----|--|--|--|-------------------------|--------|---------|--|--|---------------------------|---|-------------------|------------------|-------------------------|
| 1  | FD72-270(4MM)-ARG90-CLR(4MM)                     | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE2 270 on Clear (S#2)<br>Interior - 4 mm Cardinal Clear   | ID#: 2027<br>ID#: 2002<br>0.035                                | 12.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.45                      | 1.86                                    | 0.25              | 13               | NO                      |
| 2  | FD72-366(4MM)-ARG90-CLR(4MM)                     | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE3 366 on Clear (S#2)<br>Interior - 4 mm Cardinal Clear   | ID#: 2155<br>ID#: 2002<br>0.02                                 | 13.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.42                      | 1.84                                    | 0.19              | 10               | NO                      |
| 3  | FD72-270(4MM)-ARG90-i89(4MM)                     | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE2 270 on Clear (S#2)<br>Interior - 4 mm Cardinal i89 on Clear (S#4)  | ID#: 2027<br>ID#: 2160<br>0.035<br>0.149                       | 14.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.44                      | 1.64                                    | 0.24              | 17               | NO                      |
| 4  | FD72-366(4MM)-ARG90-i89(4MM)                     | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE3 366 on Clear (S#2)<br>Interior - 4 mm Cardinal i89 on Clear (S#4)  | ID#: 2155<br>ID#: 2160<br>0.02<br>0.149                        | 15.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.41                      | 1.63                                    | 0.18              | 14               | NO                      |
| 5  | FD72-270(4MM)-ARG90-CLR(4MM)-ARG90-270(4MM)      | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE2 270 on Clear (S#2)<br>Middle - 4 mm Cardinal Clear<br>Interior - 4 mm Cardinal LoE2 270 on Clear (S#5)             | ID#: 2027<br>ID#: 2002<br>ID#: 2027<br>0.035<br>0.035          | 16.7/16.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.35                      | 1.5                                     | 0.21              | 19               | NO                      |
| 6  | FD72-270(4MM)-ARG90-180(4MM)-ARG90-i89(4MM)      | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE2 270 on Clear (S#2)<br>Middle - 4 mm Cardinal LoE 180 on Clear (S#4)<br>Interior - 4 mm Cardinal i89 on Clear (S#6) | ID#: 2027<br>ID#: 2192<br>ID#: 2160<br>0.035<br>0.068<br>0.149 | 17.7/17.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.39                      | 1.42                                    | 0.22              | 21               | NO                      |
| 7  | FD72-366(4MM)-ARG90-CLR(4MM)-ARG90-180(4MM)      | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE3 366 on Clear (S#2)<br>Middle - 4 mm Cardinal Clear<br>Interior - 4 mm Cardinal LoE 180 on Clear (S#5)              | ID#: 2155<br>ID#: 2002<br>ID#: 2192<br>0.02<br>0.068           | 18.7/18.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.37                      | 1.51                                    | 0.17              | 16               | NO                      |
| 8  | FD72-270(4MM)-ARG90-180(4MM)-ARG90-i89(4MM)      | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE2 270 on Clear (S#2)<br>Middle - 4 mm Cardinal LoE 180 on Clear (S#4)<br>Interior - 4 mm Cardinal i89 on Clear (S#6) | ID#: 2027<br>ID#: 2192<br>ID#: 2160<br>0.035<br>0.068<br>0.149 | 20.7/20.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.39                      | 1.35                                    | 0.22              | 23               | NO                      |
| 9  | FD72-366(4MM)-ARG90-CLR(4MM)-FOAM                | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE3 366 on Clear (S#2)<br>Interior - 4 mm Cardinal Clear   | ID#: 2155<br>ID#: 2002<br>0.02                                 | 13.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.42                      | 1.84                                    | 0.19              | 10               | NO                      |
| 10 | FD72-366(4MM)-ARG90-i89(4MM)-FOAM                | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE3 366 on Clear (S#2)<br>Interior - 4 mm Cardinal i89 on Clear (S#4)  | ID#: 2155<br>ID#: 2160<br>0.02<br>0.149                        | 15.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.41                      | 1.63                                    | 0.18              | 14               | NO                      |
| 11 | FD72-270(4MM)-ARG90-180(4MM)-ARG90-i89(4MM)-FOAM | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE2 270 on Clear (S#2)<br>Middle - 4 mm Cardinal LoE 180 on Clear (S#4)<br>Interior - 4 mm Cardinal i89 on Clear (S#6) | ID#: 2027<br>ID#: 2192<br>ID#: 2160<br>0.035<br>0.068<br>0.149 | 20.7/20.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.39                      | 1.35                                    | 0.22              | 23               | NO                      |
| 12 | FD72-CLR(4MM)-ARG90-180(4MM)                     | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal Clear<br>Interior - 4 mm Cardinal LoE 180 on Clear (S#3)  | ID#: 2002<br>ID#: 2192<br>0.068                                | 21.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.51                      | 1.93                                    | 0.45              | 23               | NO                      |



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| ID | Manufacturer Product ID                          | Glazing Details   | LowE Emissivity  | Gap / Fill              | Spacer | Divider | Air Leakage Infiltration [L/s·m <sup>2</sup> ] | Air Leakage Exfiltration [L/s·m <sup>2</sup> ] | Visual Transmittance (VT) | Overall U-Factor [W/m <sup>2</sup> ·°C] | SHGC <sub>w</sub> | Energy Rating ER | Energy Star Requirement |
|----|--|---|--|-------------------------|--------|---------|--|--|---------------------------|---|-------------------|------------------|-------------------------|
| 13 | FD72-180(4MM)-ARG90-189(4MM)                     | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE 180 on Clear (S#2)<br>Interior - 4 mm Cardinal i89 on Clear (S#4)  | ID#: 2192<br>ID#: 2160<br>0.068<br>0.149                       | 22.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.50                      | 1.7                                     | 0.41              | 26               | NO                      |
| 14 | FD72-270(4MM)-ARG90-180(4MM)                     | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE2 270 on Clear (S#2)<br>Interior - 4 mm Cardinal LoE 180 on Clear (S#3)   | ID#: 2027<br>ID#: 2192<br>0.035<br>0.068                       | 23.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.44                      | 1.87                                    | 0.24              | 12               | NO                      |
| 15 | FD72-366(4MM)-ARG90-180(4MM)                     | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE3 366 on Clear (S#2)<br>Interior - 4 mm Cardinal LoE 180 on Clear (S#3)   | ID#: 2155<br>ID#: 2192<br>0.02<br>0.068                        | 24.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.41                      | 1.86                                    | 0.19              | 10               | NO                      |
| 16 | FD72-180(4MM)-ARG90-CLR(3MM)-ARG90-189(4MM)      | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE 180 on Clear (S#2)<br>Middle - 3 mm Cardinal Clear<br>Interior - 4 mm Cardinal i89 on Clear (S#6)                  | ID#: 2192<br>ID#: 2001<br>ID#: 2160<br>0.068<br>0.068<br>0.149 | 25.7/25.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.46                      | 1.51                                    | 0.38              | 28               | NO                      |
| 17 | FD72-180(4MM)-ARG90-180(3MM)-ARG90-189(4MM)      | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE 180 on Clear (S#2)<br>Middle - 3 mm Cardinal LoE 180 on Clear (S#4)<br>Interior - 4 mm Cardinal i89 on Clear (S#6) | ID#: 2192<br>ID#: 2191<br>ID#: 2160<br>0.068<br>0.068<br>0.149 | 26.7/26.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.44                      | 1.36                                    | 0.35              | 30               | NO                      |
| 18 | FD72-CLR(4MM)-ARG90-180(4MM)-FOAM                | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal Clear<br>Interior - 4 mm Cardinal LoE 180 on Clear (S#3)   | ID#: 2002<br>ID#: 2192<br>0.068                                | 21.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.51                      | 1.94                                    | 0.45              | 23               | NO                      |
| 19 | FD72-180(4MM)-ARG90-189(4MM)-FOAM                | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE 180 on Clear (S#2)<br>Interior - 4 mm Cardinal i89 on Clear (S#4)  | ID#: 2192<br>ID#: 2160<br>0.068<br>0.149                       | 22.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.50                      | 1.7                                     | 0.41              | 26               | NO                      |
| 20 | FD72-270(4MM)-ARG90-180(4MM)-FOAM                | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE2 270 on Clear (S#2)<br>Interior - 4 mm Cardinal LoE 180 on Clear (S#3)   | ID#: 2027<br>ID#: 2192<br>0.035<br>0.068                       | 23.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.44                      | 1.88                                    | 0.24              | 12               | NO                      |
| 21 | FD72-366(4MM)-ARG90-180(4MM)-FOAM                | Folding Door<br>Double glazing<br>Exterior - 4 mm Cardinal LoE3 366 on Clear (S#2)<br>Interior - 4 mm Cardinal LoE 180 on Clear (S#3)   | ID#: 2155<br>ID#: 2192<br>0.02<br>0.068                        | 24.7 mm<br>ARG 90%      | SS-D   | None    | 0.3  | 0.3  | 0.41                      | 1.86                                    | 0.19              | 10               | NO                      |
| 22 | FD72-180(4MM)-ARG90-CLR(3MM)-ARG90-189(4MM)-FOAM | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE 180 on Clear (S#2)<br>Middle - 3 mm Cardinal Clear<br>Interior - 4 mm Cardinal i89 on Clear (S#6)                  | ID#: 2192<br>ID#: 2001<br>ID#: 2160<br>0.068<br>0.068<br>0.149 | 25.7/25.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.46                      | 1.51                                    | 0.38              | 28               | NO                      |
| 23 | FD72-180(4MM)-ARG90-180(3MM)-ARG90-189(4MM)-FOAM | Folding Door<br>Triple glazing<br>Exterior - 4 mm Cardinal LoE 180 on Clear (S#2)<br>Middle - 3 mm Cardinal LoE 180 on Clear (S#4)<br>Interior - 4 mm Cardinal i89 on Clear (S#6) | ID#: 2192<br>ID#: 2191<br>ID#: 2160<br>0.068<br>0.068<br>0.149 | 26.7/26.7 mm<br>ARG 90% | SS-D   | None    | 0.3  | 0.3  | 0.44                      | 1.36                                    | 0.35              | 30               | NO                      |

| Window/Door              | Report #          |
|--------------------------|-------------------|
| FD73 Folding Door System | 101818270COQ-001B |