



AIR CONDITIONING SOLUTIONS

Ducted Split System 38CKM / FB4CSL

Carrier 38CKM / FB4CSL ducted split system incorporates innovative technologies to deliver reliable and efficient performance.

High EER's up to 13.1 Btuh/w¹

Scroll Compressor

ECM Indoor Fan Motor

Adjustable TXV

Long Line Application up to 200ft*

High Ambient Operation up to 125°F



With non-ozone depleting refrigerant (R410-A)





Product Specifications

| SYSTEM | | | 38CKM-018X | 38CKM-024X | 38CKM-030X | 38CKM-036X | 38CKM-036X | 38CKM-042X | 38CKM-048X | 38CKM-060X | |
|--|--------------------------|---|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|
| | | | FB4CSL018L0 | FB4CSL024L0 | FB4CSL030L0 | FB4CSL036L0 | FB4CSL037L0 | FB4CSL042L0 | FB4CSL048L0 | FB4CSL060L0 | |
| Unit Size | Cooling | TR | 1.5 | 2.0 | 2.5 | 3.0 | 3.0 | 3.5 | 4.0 | 5.0 | |
| Rated Capacity ¹ | | BTU/h | 19,160 | 22,665 | 30,790 | 35,750 | 35,230 | 40,995 | 48,410 | 58,920 | |
| | | kW | 5.6 | 6.6 | 9.0 | 10.5 | 10.3 | 12.0 | 14.2 | 17.3 | |
| Rated Capacity ² | | BTU/h | 16,150 | 20,350 | 26,795 | 31,900 | 31,120 | 36,495 | 41,485 | 51,675 | |
| | | kW | 4.7 | 6.0 | 7.9 | 9.3 | 9.1 | 10.7 | 12.2 | 15.1 | |
| Power Supply | | V-Ph-Hz | 220/240-1-50 | | | | | | | | |
| Total System Power Input ¹ | Cooling | Watts | 1,462 | 1,804 | 2,376 | 2,784 | 2,780 | 3,208 | 3,808 | 4,656 | |
| Total System Power Input ² | | Watts | 1,842 | 2,258 | 3,034 | 3,582 | 3,504 | 4,016 | 4,671 | 5,706 | |
| EER ¹ | | Btu/W-h | 13.10 | 12.56 | 12.96 | 12.84 | 12.67 | 12.78 | 12.71 | 12.65 | |
| EER ² | | Btu/W-h | 8.77 | 9.01 | 8.83 | 8.91 | 8.88 | 9.09 | 8.88 | 9.06 | |
| EER ¹ | | W/W | 3.84 | 3.68 | 3.80 | 3.76 | 3.71 | 3.75 | 3.73 | 3.71 | |
| Total System Current | | A | 9.2 | 11.4 | 14.8 | 18.7 | 6.4 | 7.0 | 8.1 | 10.1 | |
| INDOOR UNIT | | | FB4CSL018L0 | FB4CSL024L0 | FB4CSL030L0 | FB4CSL036L0 | FB4CSL037L0 | FB4CSL042L0 | FB4CSL048L0 | FB4CSL060L0 | |
| Indoor Motor | Type | Multi-tap ECM | | | | | | | | | |
| Net Weight | Kg | | | | | | | | | | |
| Net Dimensions (W x D x H) | mm | 363 x 560 x 1084 | 363 x 560 x 1084 | 448 x 560 x 1260 | 536 x 560 x 1260 | 536 x 560 x 1260 | 536 x 560 x 1260 | 536 x 560 x 1260 | 536 x 560 x 1357 | 627 x 560 x 1503 | |
| Pipe Connection Size | Liquid | inch | | | | | | | | | |
| | Suction | inch | | | | | | | | | |
| | Drain | inch | | | | | | | | | |
| OUTDOOR UNIT | | | 38CKM-018X | 38CKM-024X | 38CKM-030X | 38CKM-036X | 38CKM-036X | 38CKM-042X | 38CKM-048X | 38CKM-060X | |
| Power Supply | V-Ph-Hz | 220/240-1-50 | | | | | 380/400-3-50 | | | | |
| Air Discharge | Type | Top | Top | Top | Top | Top | Top | Top | Top | Top | |
| Compressor | Type | Scroll | | | | | | | | | |
| Refrigerant | Type | R-410A | | | | | | | | | |
| Refrigerant Pipe (Max length)* | Vertical + Horizontal | mts | Refer to Long Line Application Guide | | | | | | | | |
| | Vertical (OU & IU) | mts | | | | | | | | | |
| Recommended Wire Size/No. of wires for Power Supply to OU or IU ** | mm ² / qty | Field wiring as per product electrical data, refer to Installation & Operation Manual | | | | | | | | | |
| Recommended Wire Size/No. of wires for Control from IU to OU ** | | | | | | | | | | | |
| Dimensions (H x W x D) | mm | 654 x 654 x 642 | 654 x 654 x 728 | 792 x 792 x 631 | 792 x 792 x 718 | 792 x 792 x 718 | 792 x 792 x 718 | 792 x 792 x 718 | 792 x 792 x 718 | 792 x 792 x 804 | |
| Net Weight | Kg. | 54.2 | 57.2 | 64.8 | 77.4 | 77.4 | 88.8 | 89.0 | 97.4 | | |
| Max Outdoor Air temperature operation | °C | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | | |

Notes:

1. Rated as per conditions: Indoor Air Temperatures 26.7°C (DB) / 19.4°C (WB) and Outdoor Air Temperatures 35°C (DB) / 23.9°C (WB), in compliance with AHRI 210/240: 2008
 2. Rated as per conditions: Indoor Air Temperatures 29°C (DB) / 19°C (WB) and Outdoor Air Temperatures 46°C (DB) / 24°C (WB), in compliance with UAE.S ISO 13253:2011

* Refer to Refrigerant Long Line Application guideline in product IOM to determine pipe sizes for pipe lengths longer than the above specified

** Recommended wire sizes are for reference & guidance ONLY, all field wires should comply with National and International Electrical Codes

Carrier reserves the right to change features and / or specifications without notice and without incurring any liability.

