

Table 1 Performance requirements for air source split and multi-split heat pumps

Rated Cooling Capacity		>12kW		≤12KW	
	Product Category	Heating mode (COP)	Cooling mode (EER)	Heating mode (SCOP)	Cooling mode (SEER)
1.	Air source: single split (non-VRF) heat pumps	>3.70	>3.20	≥4.00	≥6.10
2.	Air source: dual split (non-VRF) heat pumps	>3.70	>3.20	≥4.00	≥6.10
3.	Air source: multi-split (non-VRF) heat pumps	>3.70	>3.20	≥4.00	≥6.10
4.	Air source: split or multi-split variable refrigerant flow (VRF) heat pumps	>3.80	>3.40	N/A	N/A

">" means "greater than" and "≥" means "greater than or equal to"

For the avoidance of doubt test data should be presented to 2 decimal places. As an example, a 20kW air source, single split (non-VRF) heat pump product with a heating mode COP of 3.70 would be deemed to be a fail.

Required test procedures

Testing for non-VRF products with a cooling capacity greater than 12kW and all VRF products must be carried out in accordance with the procedures in BS EN 14511:2013. The standard rating conditions are set out in the Table 2 below.

Table 2 Test conditions for air source split and multi-split heat pumps >12kW and VRF

	Product Category	Heating mode (COP)	Cooling mode (EER)
1.	Air source: single split (non VRF) heat pumps	BS EN 14511:2013Table 3 Standard rating Conditions, Outdoor air/recycled air.	BS EN 14511:2013Table 4 Standard rating Conditions, Comfort Outdoor air/recycled air
2.	Air source: dual split (non VRF) heat pumps	BS EN 14511:2013Table 19 Standard rating Conditions.	BS EN 14511:2013Table 20 Standard rating Conditions.
3.	Air source: multi-split (non VRF) heat pumps	BS EN 14511:2013Table 19 Standard rating Conditions.	BS EN 14511:2013Table 20 Standard rating Conditions.