WAITROSE CONDENSER SPECIFICATION - SINGLE CONDENSERS WITH AND WITHOUT SPLIT CIRCUIT CONTROL

The following condenser arrangements are based on the Waitrose specification but with increased and/or revised stages to give improved capacity control. The outputs are connected to interface type IF11 (legacy type IF1/7) as follows

Condenser fan	First interface input/output	Additional interface input/output
1	1	
2	2	
3	3	
4	4	
5	5	
6	6	
7		1
8		2
9		3
10		4
11		5
12		6
Split circuit	7	

Note inputs must follow outputs. Normally this requires the fan run status to be connected through a fan fault indication such as an overload relay. If no input is present when an output is indicated as required by the JTL controller a fan fault alarm is given after a short delay.

WAITROSE CONDENSER SPECIFICATION - SINGLE CONDENSERS WITH AND WITHOUT SPLIT CIRCUIT CONTROL

12 Fans double bank single condenser

Condenser arrangement

1	2	3	4	5	6
7	8	9	10	11	12

Stages	0	1	2	3	4	5	6	7	8	9
Block %	50	50	50	50	100	100	100	100	100	100
Outputs	0	1-2	1-4	1-6	1-2	1-4	1-6	1-8	1-10	1-12
Capacity %	12	19	*	31	*	*	*	77	*	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 9

Capacity from Waitrose specification

10 Fans double bank single condenser

Condenser arrangement

1	2	3	4	5
6	7	8	9	10

Stages	0	1	2	3	4	5	6	7	8	9	10	11	12
Block %	50	50	50	100	100	100	100	100	100	100	100	100	100
Outputs	0	1-2	1-3	1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10
Capacity %	12	19	*	31	*	48	*	63	71	*	83	91	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 12

WAITROSE CONDENSER SPECIFICATION - SINGLE CONDENSERS WITH AND WITHOUT SPLIT CIRCUIT CONTROL

8 Fans double bank single condenser

Condenser arrangement

1	2	3	4
5	6	7	8

Stages	0	1	2	3	4	5	6	7	8	9	10
Block %	50	50	50	50	100	100	100	100	100	100	100
Outputs	0	1-2	1-3	1-4	1-2	1-3	1-4	1-5	1-6	1-7	1-8
Capacity %	12	19	*	31	43	52	*	71	83	91	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 10

Capacity from Waitrose specification

6 Fans double bank single condenser

Condenser arrangement

1	2	3
4	5	6

Stages	0	1	2	3	4	5	6	7	8	9
Block %	50	50	50	50	100	100	100	100	100	100
Outputs	0	1	1-2	1-3	1	1-2	1-3	1-4	1-5	1-6
Capacity %	12	19	*	31	37	50	63	77	91	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 9

WAITROSE CONDENSER SPECIFICATION - SINGLE CONDENSERS WITH AND WITHOUT SPLIT CIRCUIT CONTROL

5 Fans single bank single condenser

Condenser arrangement

4		7	4	_
1	2	5	4	5

Stages	0	1	2	3	4	5	6	7	8
Block %	50	50	50	50	50	100	100	100	100
Outputs	0	1	1-2	1-4	1-5	1-2	1-3	1-4	1-5
Capacity %	12	19	28	41	50	56	71	83	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 8

Capacity from Waitrose specification

4 Fans single bank single condenser

Condenser arrangement

Stages	0	1	2	3	4	5	6	7
Block %	50	50	50	50	50	100	100	100
Outputs	0	1	1-2	1-3	1-4	1-2	1-3	1-4
Capacity %	12	19	31	41	50	63	83	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 7

WAITROSE CONDENSER SPECIFICATION - SINGLE CONDENSERS WITH AND WITHOUT SPLIT CIRCUIT CONTROL

4 Fans double bank single condenser

Condenser arrangement

1	2
3	4

Stages	0	1	2	3	4	5	6
Block %	50	50	50	100	100	100	100
Outputs	0	1	1-2	1	1-2	1-3	1-4
Capacity %	12	22	31	43	63	83	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 6

Capacity from Waitrose specification

3 Fans single bank single condenser

Condenser arrangement

		,
1	2	3

Stages	0	1	2	3
Block %	100	100	100	100
Outputs	0	1	1-2	1-3
Capacity %	24	50	77	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 6

WAITROSE CONDENSER SPECIFICATION - SINGLE CONDENSERS WITH AND WITHOUT SPLIT CIRCUIT CONTROL

2 Fans single bank single condenser

Condenser arrangement

1	2

Stages	0	1	2
Block %	100	100	100
Outputs	0	1	1-2
Capacity %	24	63	100

Notes: Item 394 (sequence) set to 3 (CS-b)

Item 390 (stages) set to 2