

AIR CONDITIONING.
Harrow House
Bessemer Road
Basingstoke
RG21 4HH

Tel : 01256-306010
Fax : 01256-306001

Technical characteristics

Units A & B

1) EDKH200EDM0**AXNXX1X2XB4X2XXEXXXXXXXXXXXS

General data

Unit size	200	
Overall outdoor sound power level	86.0	dB (A)
Supply indoor sound power level	80.0	dB (A)
Return indoor sound power level	75.0	dB (A)
Number of compressor(s)	2	

Cooling mode

Gross Total cooling capacity	67.4	kW
Gross Sensible cooling capacity	51.7	kW
Net total cooling capacity	64.6	kW
Net sensible cooling capacity	49.0	kW
Power input	23.6	kW
Operating EER	2.74	
Number of capacity step(s)	2	
Supply air temperature	14.8	°C

Heating data - Heat pump

Gross Heating Capacity	59.5	kW
Net heating capacity	62.3	kW
Heating mode power input	19.1	kW
Operating COP	3.27	
Supply air temperature	32.6	°C

Heating data - Gas burner

Gas type	G20	
Gross Heating Capacity	77.0	kW
Net heating capacity	69.3	kW
Supply air temperature	35.2	°C
Efficiency	90	%

Evaporator

Nominal air flow	11210	m3/h
Fan motor power	2.8	kW
Fan speed	664	rpm
External available static pressure	220	Pa
Requested static pressure	220	Pa

Operating conditions (Cooling Mode)

Return air temperature dry bulb	27.0	°C
Return air temperature wet bulb	19.0	°C
Return air temperature relative humidity	46.76	%
Outside air temperature dry bulb	35.0	°C
Outside air temperature wet bulb	26.2	°C
Outside air temperature relative humidity	50.18	%
Fresh air	10	%
Mixed air temperature dry bulb	27.8	°C
Mixed air temperature wet bulb	19.8	°C
Mixed air temperature relative humidity	47.74	%

Operating conditions (Heating Mode)

Return air temperature dry bulb	18.0	°C
Outside air temperature dry bulb	7.0	°C

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Mixed air temperature dry bulb	16.9	°C
Electrical data		
Power supply voltage	400	V
Power supply number of phase	3	
Power supply frequency	50	Hz
Current amps	51.9	A
Start-up amps	173.8	A
Unit		
Length (X)	3602	mm
Width (Y)	2167	mm
Height (Z)	1704	mm
Weight	935	kg

2) E YSH120EDKH***0000030B0104XX2ESXXXXXXXXXX

Unit C

General data

Unit size	YS120	
Overall outdoor sound power level	79.0	dB (A)
Supply indoor sound power level	79.0	dB (A)
Return indoor sound power level	73.0	dB (A)
Number of compressor(s)	2	

Cooling mode

Gross Total cooling capacity	34.5	kW
Gross Sensible cooling capacity	27.4	kW
Net total cooling capacity	32.9	kW
Net sensible cooling capacity	25.8	kW
Power input	14.7	kW
Operating EER	2.23	
Number of capacity step(s)	2	
Supply air temperature	16.6	°C

Heating data - Gas burner

Gas type	G20	
Gross Heating Capacity	55.8	kW
Net heating capacity	51.9	kW
Number of capacity step(s)	2	
Supply air temperature	39.5	°C
Efficiency	93	%

Evaporator

Nominal air flow	6800	m3/h
Fan motor power	2.4	kW
Fan speed	1138	rpm
External available static pressure	150	Pa
Requested static pressure	150	Pa

Operating conditions (Cooling Mode)

Return air temperature dry bulb	27.0	°C
Return air temperature wet bulb	19.0	°C
Return air temperature relative humidity	46.76	%
Outside air temperature dry bulb	35.0	°C
Outside air temperature wet bulb	26.0	°C
Outside air temperature relative humidity	50	%
Fresh air	10	%
Mixed air temperature dry bulb	27.8	°C

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Mixed air temperature wet bulb	19.8	°C
Mixed air temperature relative humidity	47.72	%
Operating conditions (Heating Mode)		
Return air temperature dry bulb	18.0	°C
Outside air temperature dry bulb	7.0	°C
Mixed air temperature dry bulb	16.9	°C
Electrical data		
Power supply voltage	400	V
Power supply number of phase	3	
Power supply frequency	50	Hz
Current amps	29.9	A
Start-up amps	92.7	A
Physical data (Operating)		
Length (X)	2251	mm
Width (Y)	1353	mm
Height (Z)	1190	mm
Weight	481	kg