CONDENSING UNIT SPECIFICATION SHEET

Condensing Unit Details	
Model	JEHSDT-1600-B6-M-3
Application	Medium Temperature

Electrical Supply	
	400V / 3Ph / 50Hz

Weights & Dimensions	
Width	1735 mm
Depth	854 mm
Height	1727 mm
Mounting Dims.	(Please refer to drawing)
Weight (Dry)	380 kgs

Compressor Data	
Type	ZB57KCE-TFD / ZBD57KCE-TFD
Swept Volume	21.4 / 21.4 m³/h
Oil Charge	1.89 / 1.89 litres
Nom. Current (A)	9.7 / 9.7
MCC (A)	21.3 / 21.3
LRC (A)	102.0 / 102.0

Fan Motors	
No.	2
FLC (A)	1.8 (2x 0.9)

Oil Separator/Reservoir	
Oil Charge	2.5 litres

Condenser Coil	
Type	Al-Cu Fin/Tube
Volume	19.0 litres

Liquid Receiver	
Volume	18.0 litres

Airflow	
Volume	8,200 m³/h

Applicable Refrigerants
R404A/R407A/R407F/R448A/R449A

Unit Connections	
Liquid	3/4"
Suction	1 3/8"

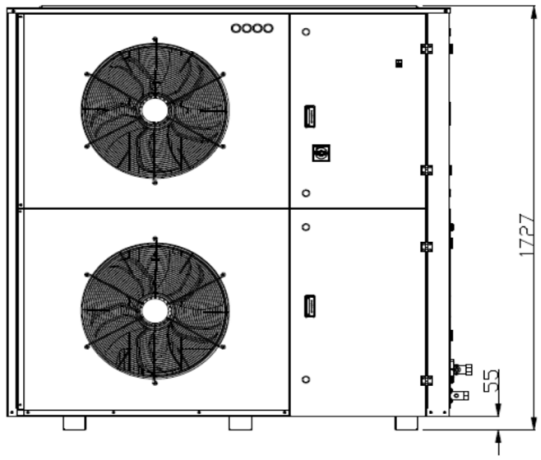
Sound Pressure Level @ 10m free field (-10°C/+32°C)
44 dB(A)

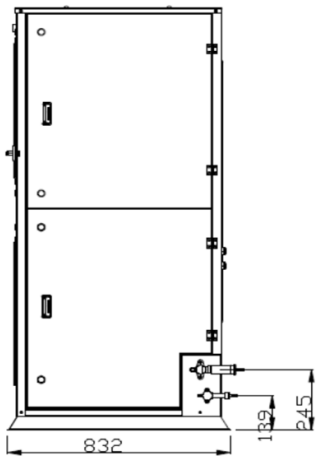
Performance Data at -10°C/+32°C Conditions

	Capacity (W) 10K SH	Capacity (W) 20°C RGT
R404A	24200	26100
R407A	23800	n/a
R407F	24250	n/a
R448A	23700	24550
R449A	23700	24550

1/1 Octave Sound Pressure Levels @ 1 meter from the unit							
Frequency							
125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	A (dBA)
70.6	66.6	60.3	58.4	52.9	47.9	39.3	63.9







Product Information based on the requirements of Commission Regulation EU 2015/1095

Model : JEHSDT-1600-B6-M-3

Refrigerant fluid:		**R404A**	**R407A**	**R407F**	**R448A**	**R449A**	
Item	**Symbol**	**Value**					**Unit**
Evaporating temperature*	*t*	-10					°C
Annual electricity consumption	*Q*	54325	54942	55280	53583	53583	kWh/a
Seasonal Energy Performance Ratio	*SEPR*	2.74	2.66	2.70	2.72	2.72	
Parameters at full load and ambient temperature 32°C (Point A)							
Rated cooling capacity	P_A	24.20	23.80	24.25	23.70	23.70	kW
Rated power input	D_A	12.26	13.02	12.56	11.26	11.26	kW
Rated COP	COP_A	1.97	1.83	1.93	2.10	2.10	
Parameters at part load and ambient temperature 25°C (Point B)							
Declared cooling capacity	P_B	26.800	26.100	26.550	25.550	25.550	kW
Declared power input	D_B	11.140	11.460	11.280	10.320	10.320	kW
Declared COP	COP_B	2.41	2.28	2.35	2.48	2.48	
Parameters at part load and ambient temperature 15°C (Point C)							
Declared cooling capacity	P_C	30.600	29.400	29.600	28.350	28.350	kW
Declared power input	D_C	9.620	9.480	9.480	9.110	9.110	kW
Declared COP	COP_C	3.18	3.10	3.12	3.11	3.11	
Parameters at part load and ambient temperature 5°C (Point D)							
Declared cooling capacity	P_D	31.300	29.900	30.050	28.850	28.850	kW
Declared power input	D_D	9.400	9.200	9.210	8.950	8.950	kW
Declared COP	COP_D	3.33	3.25	3.26	3.22	3.22	
Parameters at full load and ambient temperature 43°C							
Cooling capacity	P_3	20.20	*N/A*	*N/A*	20.80	*20.80*	kW
Power input	D_3	14.06	*N/A*	*N/A*	12.85	*12.85*	kW
Declared COP	COP_3	1.44	*N/A*	*N/A*	1.62	*1.62*	
Other items							
Capacity control		Variable					
Coefficient of degradation for fixed and staged capacity units*	*Cd*	0.25					
Contact details		Daikin Refrigeration Malaysia Sdn. Bhd. Lot 10, Jalan Perusahaan 8, Kawasan Perusahaan Pekan Banting, 42700 Banting, Selangor Darul Ehsan.					

Note: Published data based on condition - superheat 10K.

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