

DXE Heat pumps with two air condensate section Ductable installation with power from 7.8 to 30 kW

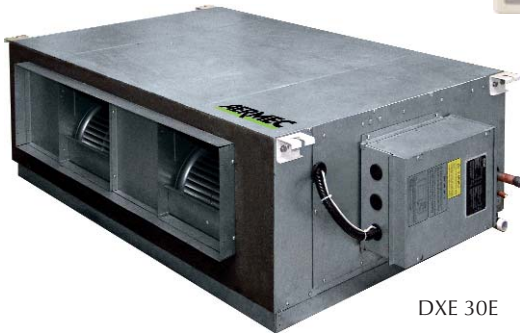
R410A



DXE 07E
DXE 10/12E
DXE 16E



DXE 12CT
DXE 16CT



DXE 30E



DXE 30CT

Features

- Available in 6 sizes
- The versions are realised with refrigerator gas R410A
- Heat pump versions
- **Internal unit (DXE E):**
 - Internal unit for channelled installation
 - Single phase power supply
 - The units have two air probes: one on the control panel and one on the return. Either one can be

- chosen
- Metal mobile in galvanised sheet steel
- Centrifugal fans with double suction
- Regenerable air filter
- Wall-mounted control panel with LCD display
- Infra-red remote control
- Some units are equipped with a condensate drain pump. With possibility of exclusion if normal drainage is used

External unit (DXE C/CT):

- Metal mobile protection with anti-corrosion paint
- Heat exchange set in copper pipe with aluminium fins
- Propeller fan directly coupled to the electric motor
- The maximum length of the refrigerator lines is 50m and maximum level difference is 30 m

Accessories

- **PAD:** Suction plenum, allowing the easy canalisation of the pick-up and fitted with a side blast tube for inserting fresh air. N.B. the use of the suction plenum requires the removal of the filter from the DXE unit. The filter will be positioned on the ambient air recovery grille.
- **PMD:** Delivery plenum with circular flanges, fitted with three circular flanges of 200mm diameter;

- the inner walls of the plenum are covered with insulating material. It is possible to use the plenum with horizontal or downwards air delivery during installation.
- **PMDF:** Delivery plenum with rectangular flange; the inner walls of the plenum are covered with insulating material. It is possible to use the plenum with horizontal or downwards air deli-

very during installation.

- **PMDW:** Plenum with water coil; fitted with a 2-row water heating coil. The coil is supplied without any adjustment device. It is possible to install the coil with right or left hand water connections.

Compatibility of accessories

	07 E	10/12 E	16 E
PAD1	✓		
PAD2		✓	
PAD3			✓
PMD1	✓	✓	
PMD2			✓
PMDF1	✓	✓	
PMDF2			✓
PMDW1	✓	✓	
PMDW2			✓

Technical data

DXE		07 C	10 C	10 CT	12 CT	16 CT	30 CT
DXE		07 E	10/12 E	10/12 E	10/12 E	16 E	30 E
Cooling capacity (E)	kW	7,80	9,80	9,80	13,30	16,90	30
Moisture removed	l/h	2,80	3,20	3,20	5,60	7,10	-
Total absorbed power (E)	kW	2,90	4,15	3,90	5,10	6,20	12,50
Heating capacity (E)	kW	7,90	10,70	10,70	14,50	18,10	33
Total absorbed power (E)	kW	2,50	3,31	3,31	4,7	5,4	10,50
Breakaway starting current	A	16,90	31,50	9,80	13,50	16,50	27
Peak current	A	65	97	65	66	67	130
Power supply (external unit)	V-Ph-Hz	230V ~ 50Hz	230V ~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz
Power supply (internal unit)	V-Ph-Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	400V 3N~ 50Hz
Internal unit air capacity	m ³ /h (max.)	1100	1850	1850	1850	2300	5500
Useful head	Pa	60	80	80	80	100	120
♪ Sound pressure (internal unit)	dB (A) (max.)	39	43	43	43	48	57
♪ Sound pressure (external unit)	dB (A) (max.)	57	59	59	61	63	67
Refrigerant gas load (R410A)*	kg	2	3	3,2	3,5	5	9,5
Refrigerant gas top-up	g/m	60	120	120	120	120	120
Refrigerator lines	Ø (gas)	5/8"(15,9)	3/4"(19)	3/4"(19)	3/4"(19)	7/8"(22)	9/8"(28,6)
	Ø (liquid)	3/8"(9,52)	1/2"(12,7)	1/2"(12,7)	1/2"(12,7)	1/2"(12,7)	1/2"(12,7)

Performance values refer to the following conditions:

♪ Sound pressure measured at 1 metre.

■ Cooling:

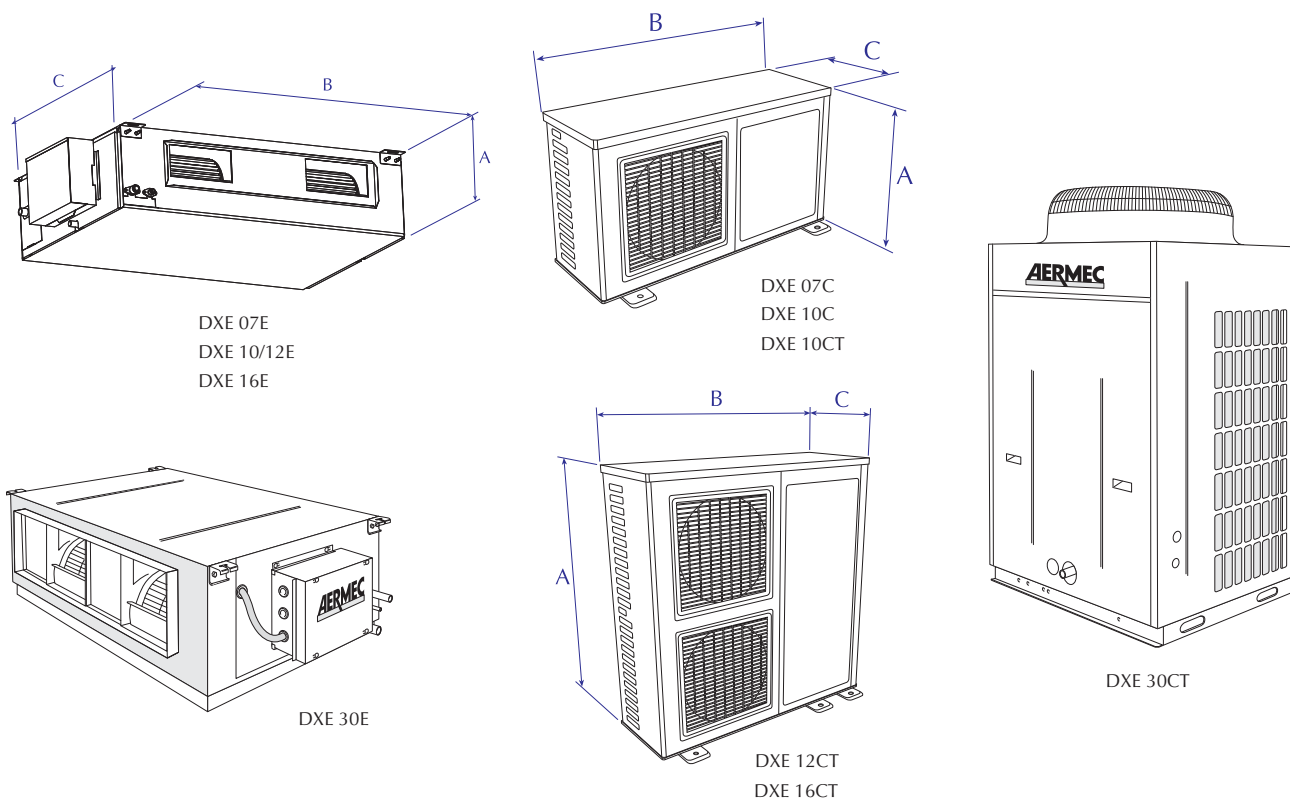
- environmental air temp 27 °C D.B., 19 °C W.B.;
- external air temp 35 °C; maximum speed.

■ Heating:

- environmental air temp. 20 °C;
- external air temp. 7 °C D.B., 6 °C W.B.; maximum speed;

* = for lines up to 5m; as well as topping-up.

Dimensional data (mm)



DXE INTERNAL UNIT

		DXE			
		07 E	10/12 E	16 E	30 E
Height	A	268	290	330	500
Width	B	1295	1251	1251	1500
Depth	C	504	744	788	1000
Weight	kg	37	57	66	170

DXE EXTERNAL UNIT

		DXE					
		07 C	10 C	10 CT	12 CT	16 CT	30 CT
Height	A	700	840	840	1250	1250	1772
Width	B	950	950	950	950	950	990
Depth	C	412	412	412	412	412	880
Weight	kg	52	90	90	112	120	218

The technical data in this document are not binding. Aermec S.p.A. reserves the right to make any modifications it deems necessary to improve the product at any time.

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