

ITEM:  
MODEL:  
PROJECT:  
QTY:

**Model:** EDWS-480

**Code:** 11216E01-W-M-M

**Description:** Exige 240+240L Combi White, R290, 4 Wire shelves, Locks



**Exige** dual temperature cabinets are designed to meet the highest standards for the safe storage of samples, vials, specimen cultures and other lab preparations in both temperature ranges from -18 °C to -25 °C and +2 °C to +16 °C, ideal for storage flexibility and space optimization.

### Main Features

- Solid doors
- White finishing
- Dual temperature
- Access port Ø27 mm
- Adjustable operating tem., set at -20 °C and +5 °C
- Electronic controller with digital display
- Optional connection with Dialog IoT
- Interior to fit both shelves and drawers
- Stainless steel telescopic legs

### Alarms & Warnings

- Door open (after 2 minutes)
- High temperature
- Low temperature
- Power failure, when power returns or immediate for devices with battery

### Compliance

- ATEX (EN 60079-0:2015 & EN 60079-7:2015)
- Low Voltage Directive (LVD)
- Electromagnetic Compatibility (EMC)
- Ecodesign & Energy Labelling (coming)

### Included Accessories

- 4 Wire shelves 650 x 530 mm (code 246502010)
- 4 Pairs of sliders for shelves (code 2608551018)

## Operation

- R290 natural refrigerant gas (HCFC and CFC free)
- Built-in refrigeration unit
- Monobloc cooling unit
- Cooling unit frontal access for service
- Forced draft condensation and evaporation
- Automatic and manual defrost by hot gas
- Automatic evaporation of the defrost water
- Coated evaporator for corrosion resistance
- Even air distribution through back of the cabinet
- Temperature stability  $\pm 3$  °C
- Climate class 5 (ambient temperature 40°C and 40% RH) and climate class 7 (ambient temperature 35°C and 75% RH)

## Controller

- Electronic controller featuring digital display and flat touch keypad for easy use
- Permanent monitoring of temperature
- Audible alarms in case of alarms and warnings
- Adjustable operating temperature
- Upper section factory set operating temperature -20 °C
- Lower section factory set operating temperature +5 °C

## Exterior

- Solid doors
- External panels in white galvanized steel
- Lock with 2 keys
- Self-closing door with automatic hold-open at 100°
- Right-hand hung doors
- Reversible door hinges (as option or on-site)
- Handle with antibacterial coating
- Adjustable telescopic stainless steel legs (127/210 mm)
- $\varnothing 27$  mm access port for external temperature sensor

**Interior**

- Eco-friendly, high density polyurethane insulation, 80 mm thick
- Pressed bottom and radius corners for a hygienic inner cell
- Hygienic interior made from smooth AISI 441 stainless steel
- Easy to clean magnetic sealing gaskets, replaceable without tools
- Different storage temperatures in the same space
- Supplied with 4 wire shelves
- Wire shelf usable area 650 x 530 mm
- Máx. load per shelf 30 kg
- 11 Max. level racking (pitch 90 mm)
- Possibility to combine drawers and shelves according to needs
- Heavy-duty interior

**Available Options**

AREA	LETTER	DESCRIPTION	AREA	LETTER	DESCRIPTION
I	A	Swivel castors (Ø 80 mm, H 110 mm)	II	V	Plug type J (SEV 1011)
I	W	White exterior	III	A	White drawer
II	B	Safety thermostat (Antifreeze)	III	B	Left-hand hung door
II	C	DIN 13277 IoT kit	III	E	Wire shelves
II	D	Plug type G (BS1363)	III	F	Drawers aluminium
II	G	Automatic voltage regulator (AVR) w/ timer	III	G	SST perforated shelves
II	M	R290	III	M	Locks
II	T	Plug type I (AS/NZS 3112)			

**Optional Accessories**

- Medicine white drawers with sliders (code 2608551095)
- Aluminium drawers with sliders (code 2608551096)
- Wire shelf 650 x 530 mm (code 246502010)
- Stainless steel perforated shelves (code 2608551093)
- Pair of sliders for shelves (code 2608551018)

**Technical specifications**
**Key data**

<b>Model</b>	EDWS-480	<b>Sector</b>	Lab
--------------	----------	---------------	-----

**Measurements**

<b>External width</b>	720 mm	<b>Internal width</b>	560 mm
<b>External depth / with open doors</b>	850 / 1517 mm	<b>Internal depth</b>	680 mm
<b>External height</b>	2057 mm	<b>Internal height</b>	1430 mm
<b>Height adjustment</b>	127 / 210 mm	<b>Door hinges</b>	Right hinges
<b>Gross volume</b>	240 L + 240 L		

**Shipping data**

<b>Packed weight</b>	146 kg	<b>Shipping volume</b>	1,57 m <sup>3</sup>
----------------------	--------	------------------------	---------------------

**Technical data**

<b>Operating temperature</b>	-20 °C +5 °C	<b>Temperature range</b>	-18 °C -25 °C +2 °C +16 °C
<b>Cooling power</b> (Te -25 °C Tc +45 °C)	690 W	<b>Average relative humidity</b>	--
<b>Power supply</b>	220-240 V / 50 Hz	<b>Input power</b>	550 W / 2,90 A
<b>Plug type</b>	F (schuko)	<b>Defrost type</b>	Hot gas
<b>Operating mode</b>	Auto, forced draft	<b>Sound level</b>	--

**Refrigerant data**

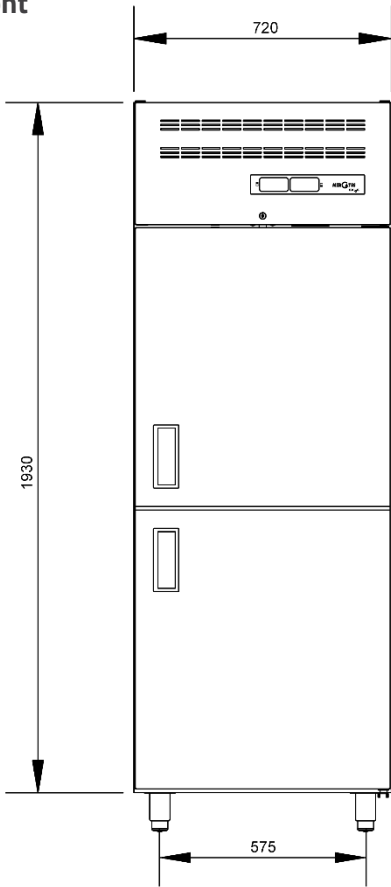
<b>Refrigerant fluid /GWP</b>	R290/3	<b>Refrigerant charge</b>	0,120 kg
-------------------------------	--------	---------------------------	----------

**Efficiency data**

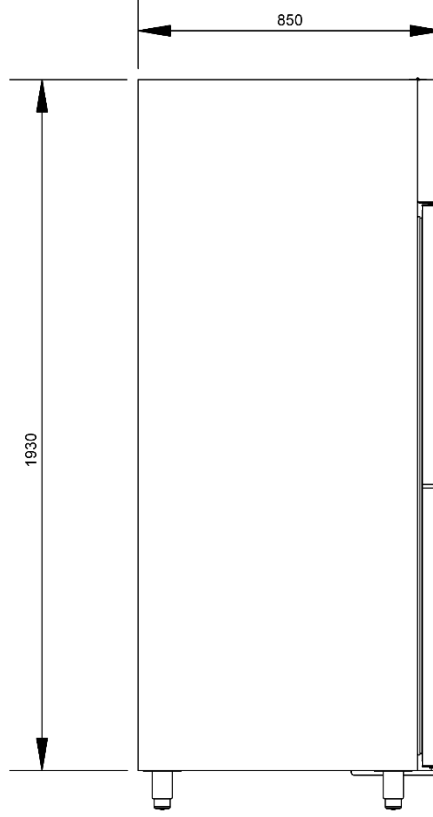
<b>Daily Energy Consumption (E24h)</b>	10,60 kWh	<b>Climate class</b>	5
<b>Annual Energy Consumption (AEC)</b>	3869 kWh	<b>Climate class</b> (DIN 13277:2022)	7
<b>Net volume</b>	210 L + 210 L		

Technical drawings

Front



Side



Top

