

PEARL R290



2,5 kW

3,5 kW

Standard YR-HE



Integrated
Wi-Fi Control

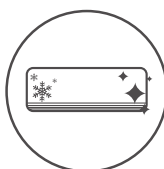


Pearl R290 is available in 2.5kW and 3.5kW, with a sleek matte white finish and eco-friendly R290 natural refrigerant. R290 has a low-condensing temperature and superior thermodynamic properties which enhance energy efficiency while reducing costs. For added safety, both the indoor and outdoor PCB boxes are fully sealed, protecting electrical components from refrigerant exposure. Additionally, flame-retardant materials are used throughout the PCB enclosures for extra peace of mind.

KEY FEATURES



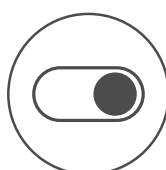
Coanda Plus



Self Clean



Easy Installation



On-Off Card



Silence

MODEL	Indoor		AS25PBBHRA	AS35PBBHRA
	Outdoor		1U25YEBGRA	1U35YEBGRA
Performance data				
Output power - COOLING	nom (min-max)	kW	2,60 (0,80-2,90)	3,50 (0,80-4,00)
Output power - HEATING	nom (min-max)	kW	2,80 (0,80-3,20)	3,50 (0,80-4,10)
Absorbed power – COOLING	nom (min-max)	kW	0,804 (0,30-1,50)	1,291 (0,30-1,50)
Absorbed power – HEATING	nom (min-max)	kW	0,754 (0,30-1,50)	0,969 (0,80-4,10)
Energy class	EER	W/W	3,23	2,71
	COP	W/W	3,71	3,61
COOLING Pdesign	35 °C	kW	2,60	3,50
HEATING Pdesign	(-10 °C)	kW	2,10	2,50
Energy class	SEER		6,8 (A++)	6,2 (A++)
	SCOP		4,6 (A++)	4,6 (A++)
Annual Energy Consumption - COOLING		kWh/a	134	198
Annual Energy Consumption - HEATING		kWh/a	639	761
Indoor Unit				
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50
Treated air volume	H	m3/h	580	650
Dehumidification		L/h	1,2	1,4
High sound power - COOLING		dB	56	57
High sound power - HEATING		dB	56	57
Sound pressure - COOLING		dB(A)	37/32/28/18	37/33/29/19
Sound pressure -HEATING		dB(A)	37/32/28/18	37/33/29/19
Net dimensions	WxDxH	mm	805x200x292	805x200x292
Packaging dimensions	WxDxH	mm	876x272x365	876x272x365
Net/gross weight		kg	8,3/ 10,6	8,3/ 10,6
Outdoor Unit				
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50
Power cable		N x mm2	3 x 1,0	3 x 1,5
Interconnection cable		N x mm2	4 x 1,0	4 x 1,0
Sound power	H	dB	62	63
Sound pressure	H	dB(A)	48	49
Running current cooling/heating	Max	A	6,4/ 6,4	7,0/ 7,0
Starting current cooling/heating	Max	A	1,5/ 1,5	1,5/ 1,5
Net dimensions	WxDxH	mm	700x245x544	700x245x544
Packaging dimensions	WxDxH	mm	819x320x592	819x320x592
Net/gross weight		kg	24,5/27	24,5/27
Compressor type			Rotary Inverter	Rotary Inverter
Installation data				
Refrigerant			R290	R290
Liquid pipe	Ø	mm (inch)	6,35 (1/4)	6,35 (1/4)
Gas pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)
Standard pipe length without refrigerant charge		m	10	10
Maximum pipe length		m	10	10
Maximum IU - OU elevation		m	10	10
Refrigerant charge in the factory		kg	0,31	0,31
Refrigerant charge in the factory		TCO2eq	-0	-0
Additional ref. charge over std length		g/m	no additional charge allowed	
Operating limits - COOLING (in/out)	min-max	°C	21-35°C/-10-43°C	
Operating limits - HEATING (in/out)	min-max	°C	10-27°C/-15-24°C	