

Extending our R290 range with New B and S Compressors

Propane (R290) is being gradually introduced in commercial appliances as a replacement of CFCs, H-CFCs and HFCs refrigerants which have a high impact on the environment. R290 has no direct contribution to global warming (GWP = 3) and null Ozone Depletion Potential (ODP = 0).

Following the main trends in light commercial refrigeration, Huayi Compressor Barcelona is continuously working on the development of new compressor models where the highest efficiency and the use of “green” refrigerants are a must, for this reason we have extended our R290 in the lower and upper side completing our current catalogue.

New R290 B range: Compact efficiency

The **New R290 B range, the smallest compressor on the market for R290**, covers the lower part of our catalogue in terms of displacement and cooling capacity, increasing the range from 2.20cc to 4.50cc, offering better efficiency and size reduction.

R290 LBP

MODEL	DISPLACEMENT cm ³	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	Refrigeration Capacity	
						Ashrae -23,3° C	
						kcal/h	W/W
NBC25CA (**)	2.60	LBP	S	220-240V 50Hz ~1	RSIR	86	1.30
NBG25CA (**)	2.60	LBP	S	220-240V 50Hz ~1	RSCR	86	1.52
NBC35CA (**)	3.50	LBP	S	220-240V 50Hz ~1	RSIR	125	1.30
NBG35CA (**)	3.50	LBP	S	220-240V 50Hz ~1	RSCR	125	1.55
NBC41CA (**)	4.10	LBP	S	220-240V 50Hz ~1	RSIR	155	1.30
NBG41CA (**)	4.10	LBP	S	220-240V 50Hz ~1	RSCR	156	1.55
NBC45CA (**)	4.50	LBP	S	220-240V 50Hz ~1	RSIR	173	1.30
NBG45CA (**)	4.50	LBP	S	220-240V 50Hz ~1	RSCR	173	1.50

(**) Model Under Development

R290 HMBP

MODEL	DISPLACEMENT cm ³	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	Compressor Performance ASRHAIE conditions	
						7,2° C	
						kcal/h	COP
NBC22RA (**)	2.20	HMBP	F	220-240V 50Hz ~1	CSIR	230	2.30
NBC30RA (**)	3.10	HMBP	F	220-240V 50Hz ~1	CSIR	330	2.40

(**) Model Under Development



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New R290 S range: Extending the range

We also extend our range in the upper part of our catalogue with two models from our S range.

R290 LBP

MODEL	DISPLACEMENT cm ³	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	Refrigeration Capacity	
						Ashrae -23,3° C	
						kcal/h	W/W
NS26FB (**)	25.93	LBP	F	220-240V 50Hz ~1	CSR	875	1.40
NS34FB (**)	34.42	LBP	F	220-240V 50Hz ~1	CSR	1164	1.39

(**) Model Under Development

With these new products, Huayi Compressor Barcelona offers the widest range of compressors working with R290, covering from 86 kcal/h to 1164 kcal/h for LBP applications and 230 kcal/h to 2334 kcal/h for HMBP applications.

Please do not hesitate to contact our Technical Relations Department for any doubt or any further explanation you might need in regards to this subject.



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