



# R290 Compressors Catalogue

Extended and efficient range of  
compressors in R290



Natural refrigerants

Complete range  
of compressors from  
**2.2 to 38cc**



- > Maximum efficiency
- > Better cooling capacity



HUAYI  
COMPRESSOR  
BARCELONA

**R290 LBP | LMBP • 50 Hz**

**Natural Refrigerant**

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY						WEIGHT Kg	DESIGN	
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C								
									Cecomaf (W)			Ashrae					
									-40	-30	-25		-10	-23.3			
W	COP	W	COP														
● NLY12LAa	10.70	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	163	283	<b>364</b>	<b>0.96</b>	689	<b>488</b>	<b>1.24</b>	11.21	Ld
● NLY12LAb	10.70	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	163	283	<b>364</b>	<b>1.01</b>	689	<b>488</b>	<b>1.31</b>	11.31	Ld
● NLY12NGa	10.70	3/8	LMBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	168	288	<b>371</b>	<b>0.98</b>	715	<b>499</b>	<b>1.28</b>	11.04	Ld
● NLY12NGb	10.70	3/8	LMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	171	287	<b>371</b>	<b>1.06</b>	726	<b>499</b>	<b>1.31</b>	11.14	Ld
● NPY12LAa	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	174	309	<b>402</b>	<b>1.05</b>	783	<b>541</b>	<b>1.35</b>	12.13	Pd
● NPY12LAb	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	174	309	<b>402</b>	<b>1.15</b>	783	<b>541</b>	<b>1.49</b>	12.23	Pd
● NPY14LAa	14.32	1/2	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	217	376	<b>485</b>	<b>1.05</b>	928	<b>651</b>	<b>1.35</b>	12.17	Pd
● NPY14LAb	14.32	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	217	376	<b>485</b>	<b>1.14</b>	928	<b>651</b>	<b>1.48</b>	12.27	Pd
● NPT16LA	16.15	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	254	440	<b>564</b>	<b>1.16</b>	1062	<b>756</b>	<b>1.50</b>	12.17	Pd
● NPT18LA	18.00	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	269	473	<b>611</b>	<b>1.13</b>	1165	<b>820</b>	<b>1.46</b>	12.30	Pd
● NX18FBa	18.40	3/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	243	471	<b>611</b>	<b>1.11</b>	1137	<b>820</b>	<b>1.44</b>	16.41	Xd
● NX21FBa	20.72	3/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	267	517	<b>675</b>	<b>1.11</b>	1275	<b>907</b>	<b>1.44</b>	16.00	Xd
● NX23FBa	23.20	7/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	297	572	<b>746</b>	<b>1.09</b>	1411	<b>1003</b>	<b>1.41</b>	16.75	Xd
● NST26LA (**)	25.93	7/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	335	645	<b>841</b>	<b>1.16</b>	1591	<b>1130</b>	<b>1.50</b>	22.60	Sd
● NST34LA (**)	34.42	1	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	444	856	<b>1116</b>	<b>1.16</b>	2111	<b>1500</b>	<b>1.50</b>	23.00	Sd
● NST38NA (**)	38.00	1 1/2	LMBP	F	220-240V 50Hz ~1	CSR	R	C-V	489	942	<b>1228</b>	<b>1.14</b>	2323	<b>1650</b>	<b>1.49</b>	23.00	Sd

**R290 LBP | LMBP • 60 Hz**

**Natural Refrigerant**

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY						WEIGHT Kg	DESIGN	
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C								
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									-40	-30	-25		-10	-23.3			
W	COP	W	COP														
● NBC30NR	3.10	1/7	LMBP	S/F	115-127V 60Hz ~1	CSIR	R	C-V	50	89	<b>118</b>	<b>1.07</b>	242	<b>159</b>	<b>1.40</b>	6.10	Bf
● NBC30NG (**)	3.10	1/8	LMHBP	S/F	220-240V 50/60Hz ~1	CSIR	R	C-V	52	92	<b>122</b>	<b>1.10</b>	250	<b>165</b>	<b>1.45</b>	5.80	Be
● NUT35NRa (**)	3.50	1/8	LMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	61	107	<b>142</b>	<b>1.14</b>	290	<b>192</b>	<b>1.50</b>	9.12	Be
● NUT35NRb (**)	3.50	1/8	LMBP	F	115-127V 60Hz ~1	CSR	R	C-V	61	107	<b>142</b>	<b>1.21</b>	290	<b>192</b>	<b>1.60</b>	9.19	Be
● NUT40NRa (**)	4.00	1/5	LMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	72	128	<b>169</b>	<b>1.15</b>	347	<b>229</b>	<b>1.51</b>	9.15	Be
● NUT40NRb (**)	4.00	1/5	LMBP	F	115-127V 60Hz ~1	CSR	R	C-V	72	128	<b>169</b>	<b>1.23</b>	347	<b>229</b>	<b>1.62</b>	9.22	Be
● NUY45NRa	4.50	1/5	LMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	76	136	<b>180</b>	<b>1.15</b>	363	<b>243</b>	<b>1.50</b>	9.12	Ub
● NUY45NRb	4.50	1/5	LMBP	F	115-127V 60Hz ~1	CSR	R	C-V	73	137	<b>182</b>	<b>1.23</b>	369	<b>247</b>	<b>1.60</b>	9.19	Ub
● NUC45NGa	4.50	1/5	LMBP	F	200-220/230V 50/60Hz ~1	RSIR	P	C	72	136	<b>180</b>	<b>1.10</b>	365	<b>244</b>	<b>1.43</b>	8.60	Ub
● NUT55LRa	5.50	1/5	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	110	189	<b>243</b>	<b>1.24</b>	460	<b>326</b>	<b>1.60</b>	9.47	Ub
● NUT55LRb	5.50	1/5	LBP	F	115-127V 60Hz ~1	CSR	R	C-V	110	193	<b>247</b>	<b>1.34</b>	463	<b>331</b>	<b>1.73</b>	9.54	Ub
● NUT55LRc	5.50	1/5	LBP	S	115-127V 60Hz ~1	CSIR	R	C-V	110	189	<b>243</b>	<b>1.24</b>	460	<b>326</b>	<b>1.60</b>	9.47	Ub
● NUT55LRd	5.50	1/5	LBP	S	115-127V 60Hz ~1	CSR	R	C-V	110	193	<b>247</b>	<b>1.34</b>	463	<b>331</b>	<b>1.73</b>	9.54	Ub
● NUY55NRa (**)	5.50	1/5	LMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	105	184	<b>235</b>	<b>1.21</b>	441	<b>312</b>	<b>1.56</b>	9.10	Ub
● NUY55NRc (**)	5.50	1/5	LMBP	S	115-127V 60Hz ~1	CSIR	R	C-V	105	184	<b>235</b>	<b>1.21</b>	441	<b>312</b>	<b>1.56</b>	9.10	Ub
● NUC55NGa	5.50	1/5	LMBP	F	200-220/230V 50/60Hz ~1	RSIR	P	C	106	186	<b>237</b>	<b>1.15</b>	445	<b>314</b>	<b>1.48</b>	8.60	Ub
● NUC55NGc	5.50	1/5	LMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	106	186	<b>237</b>	<b>1.15</b>	445	<b>314</b>	<b>1.48</b>	8.60	Ub
● NUT60LRa	6.00	1/3	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	122	207	<b>266</b>	<b>1.25</b>	508	<b>357</b>	<b>1.60</b>	9.40	Ub
● NUT60LRb	6.00	1/3	LBP	F	115-127V 60Hz ~1	CSR	R	C-V	122	213	<b>273</b>	<b>1.34</b>	513	<b>366</b>	<b>1.73</b>	9.50	Ub

● Green Cooling Models ● New Models (\*\* Under development

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