

HERMETIC COMPRESSORS



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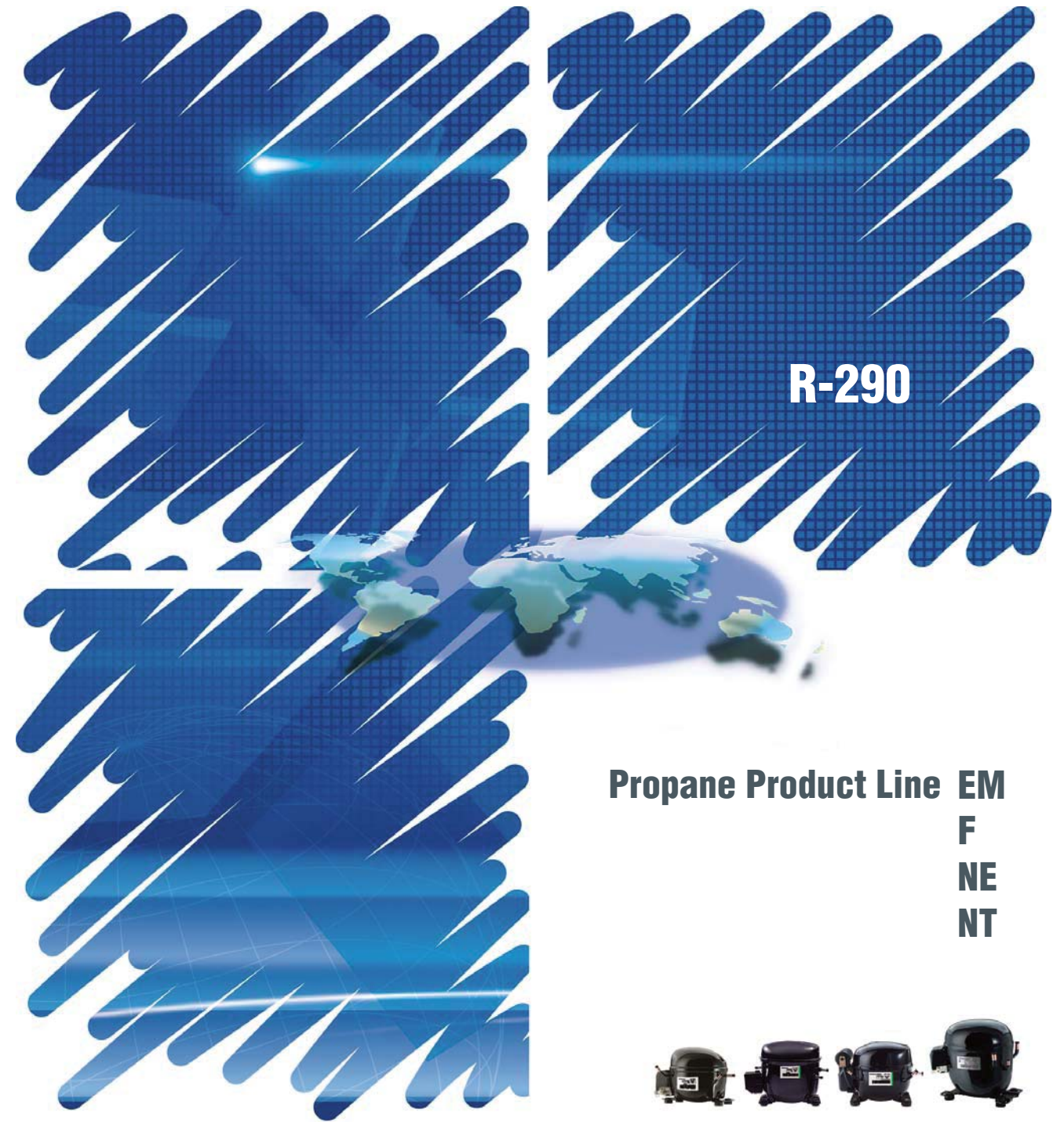
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# Propane Product Line



## Propane (R-290) Compressor Line

Embraco is a Global Market and Technological Leader in Hermetic Compressors for Refrigeration.

As one of the pioneers in the development of environmentally friendly products, Embraco reinforces its commitment to global sustainability by offering a full range of high efficiency compressors for light commercial applications utilizing Propane (R-290) as a refrigerant.

This natural refrigerant does not contribute to ozone layer depletion or to the greenhouse effect.

Propane brings lower noise levels. It also provides significant gains in refrigeration capacity and efficiency, using the same refrigerant mass when compared to the current HFC refrigerants.

Embraco as a Global supplier produces Propane (R-290) compressors in South America, Europe and Asia assuring high service levels to all our customers around the world.

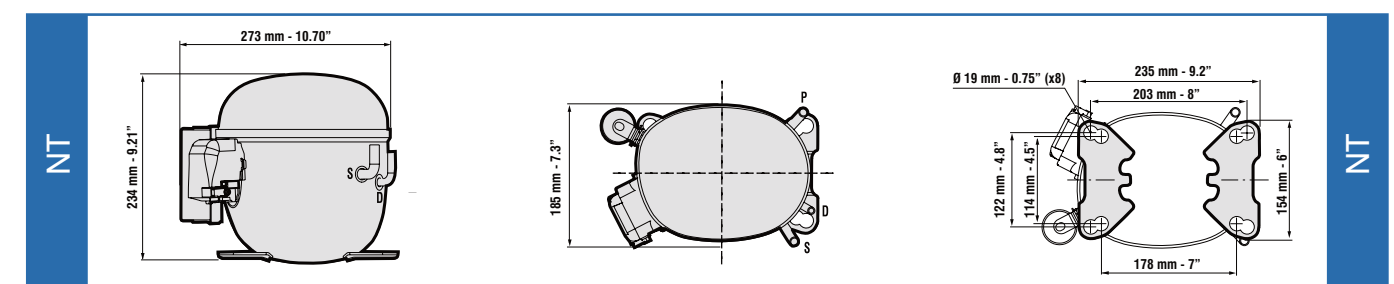
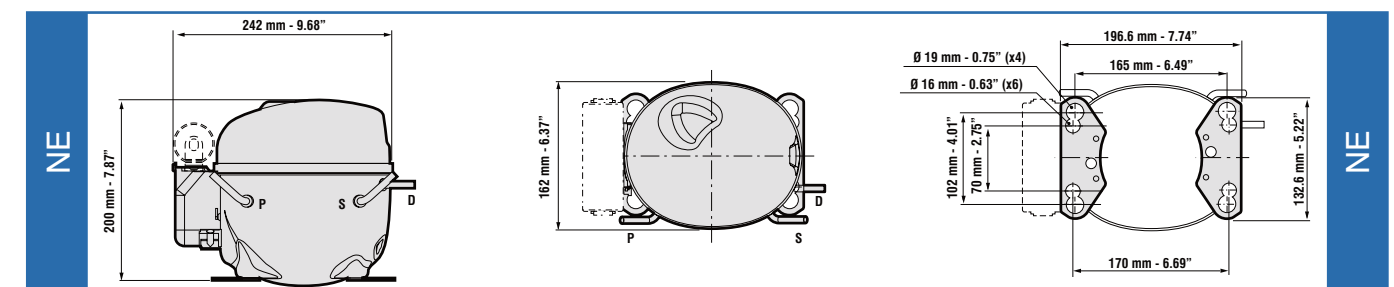
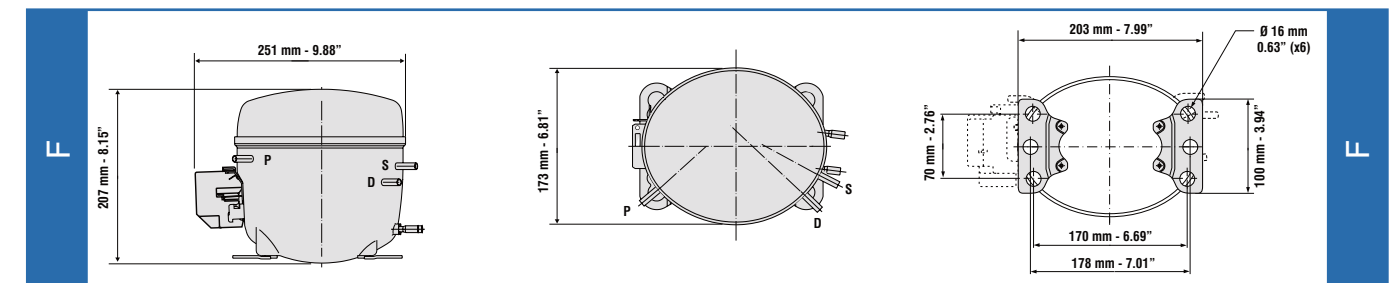
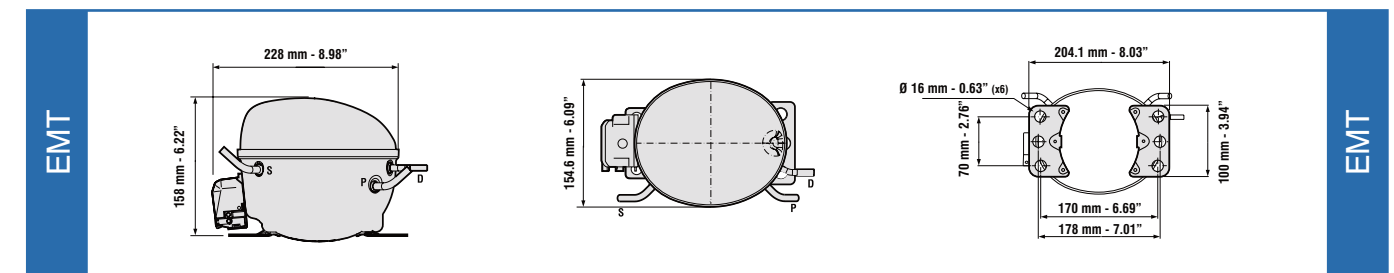
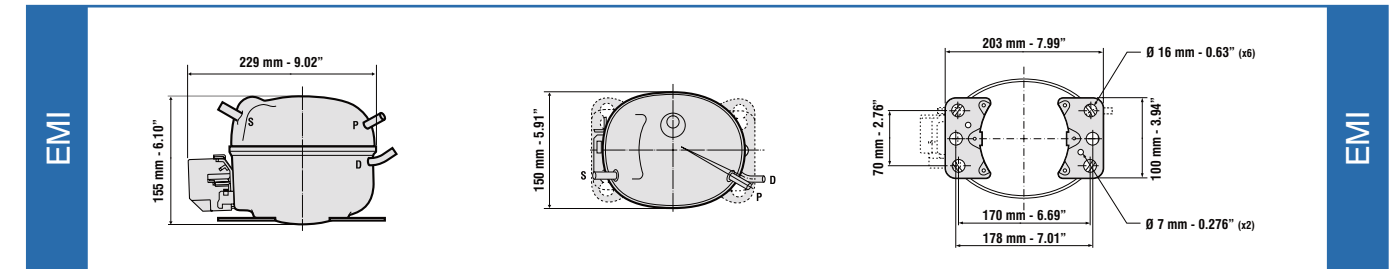


## Propane (R-290) Product Line Benefits

- Higher efficiency and capacity
- Lower noise
- Lower refrigerant cost
- Lower discharge temperature
- Great ecological appeal



## External Views



## Product Data - Propane (R-290) Refrigerant

Series	Model	Voltage / Frequency (V/Hz)	Motor Type	Application	Test Frequency (Hz)	(HP)	Displacement (cm <sup>3</sup> )	Performance -23.3°C +7.2°C (*)			
								Capacity		EER	
								W	kcal/h	W/W	Kcal/Wh
EM	EMIS0UER	115-127 V 60 Hz 1 ~	RSIR-CSIR	LBP	60	1/10	3.00	153	132	1.32	1.14
	EMIS0UER	220-240 V 50-60 Hz 1 ~	RSIR-CSIR	LBP	60	1/10	3.00	153	132	1.33	1.15
	EMIT0UER	115-127 V 60 Hz 1 ~	RSIR-CSIR	LBP	60	1/8	4.08	205	176	1.26	1.09
	EMIT0UER	220-240 V 50-60 Hz 1 ~	RSIR-CSIR	LBP	60	1/8	4.08	210	181	1.30	1.12
	EMIS0UEX	115-127 V 60 Hz 1 ~	CSIR	L/MBP	60	1/4+	4.99	277	239	1.37	1.18
	EMIS0UEX	220 V 60 Hz 1 ~	CSIR	L/MBP	60	1/4+	4.99	277	239	1.37	1.18
	EMIS0UEX	220-240 V 50 Hz 1 ~	CSIR	L/MBP	50	1/4+	4.99	229	197	1.28	1.10
	EMT1121U	220-240 V 50Hz 1 ~	RSCR	LBP	50	1/3-	5.57	270	231	1.55	1.33
	EMT1125U	220-240 V 50Hz 1 ~	RSCR	LBP	50	1/3+	5.96	301	259	1.53	1.31
	EMT2117U	220-240 V 50 Hz 1 ~	CSIR	LBP	50	1/5	3.97	184	158	1.37	1.18
EMT2121U	220-240 V 50 Hz 1 ~	CSIR	LBP	50	1/4	5.57	265	228	1.46	1.25	
EMT2125U	220-240 V 50 Hz 1 ~	CSIR	LBP	50	1/3	5.96	301	259	1.47	1.27	
EMT6144U	220-240 V 50Hz 1 ~	CSIR	M/HBP	50	1/4-	4.50	616	530	2.62	2.25	
EMT6152U	220-240 V 50 Hz 1 ~	CSIR	M/HBP	50	1/4	5.20	742	638	2.68	2.30	
EMT6165U	220-240 V 50 Hz 1 ~	CSIR	M/HBP	50	1/3	5.96	840	722	2.57	2.21	
F	FFU130UAX	115-127 V 60 Hz 1 ~	CSIR	L/MBP	60	1/3+	6.76	399	343	1.51	1.30
	FFU130UAX	220-240 V 50-60 Hz 1 ~	CSIR	L/MBP	50	1/3+	6.76	319	275	1.49	1.29
	FFU130UAX	220-240 V 50-60 Hz 1 ~	CSIR	L/MBP	60	1/3+	6.76	399	343	1.55	1.33
	FFU160UAX	115-127 V 60 Hz 1 ~	CSIR	L/MBP	60	1/2	7.95	489	421	1.54	1.32
	FFU160UAX	220 V 60 Hz 1 ~	CSIR	L/MBP	60	1/2	7.95	489	421	1.54	1.32
NE	NEK2117U	220-240 V 50 Hz 1 ~	CSIR	LBP	50	1/5	4.52	188	162	1.19	1.03
NEK1121U	220-240 V 50 Hz 1 ~	RSIR	LBP	50	1/4	6.20	276	237	1.32	1.13	
NEK2121U	220-240 V 50 Hz 1 ~	CSIR	LBP	50	1/4	6.20	247	212	1.20	1.02	
NEK2125U	220-240 V 50 Hz 1 ~	CSIR	LBP	50	1/3	7.28	316	272	1.31	1.13	
NEK2134U	220-240 V 50 Hz 1 ~	CSIR	LBP	50	1/2	10.00	449	386	1.36	1.17	
NEK1150U	220-240 V 50 Hz 1 ~	RSIR	LBP	50	1/2+	13.54	601	517	1.30	1.12	
NEK2150U	220-240 V 50 Hz 1 ~	CSIR	LBP	50	1/2+	13.54	581	500	1.31	1.13	
NEK6152U	220-240 V 50 Hz 1 ~	CSIR	M/HBP	50	1/4	5.45	720(*)	620	2.53	2.18	
NEK6165U	220-240 V 50 Hz 1 ~	CSIR	M/HBP	50	1/3-	6.20	839	721	2.44	2.09	
NEK6181U	220-240 V 50 Hz 1 ~	CSIR	M/HBP	50	1/3	7.28	949	816	2.46	2.12	
NEK6210U	220-240 V 50 Hz 1 ~	CSIR	M/HBP	50	1/2-	8.78	1168(*)	1005	2.55	2.19	
NEK6213U	220-240 V 50 Hz 1 ~	CSIR	M/HBP	50	1/2+	12.12	1586	1364	2.29	1.97	
NT	NT2160U	220-240V 50Hz 1 ~	CSIR	LBP	50	3/4	17.4	703	604	1.36	1.17
	NT2170U	220-240V 50Hz 1 ~	CSIR	LBP	50	1-	20.4	816	702	1.30	1.12
	NT2180U	220-240V 50Hz 1 ~	CSIR	LBP	50	1	22.4	932	800	1.34	1.15
	NT6217U	220-240V 50Hz 1 ~	CSIR	HBP	50	1/2+	14.5	1786	1536	2.58	2.22
	NT6224U	220-240V 50Hz 1 ~	CSR	HBP	50	1	22.4	2843	2445	2.73	2.35

Test Conditions LBP and L/MBP: Evaporating: -23.3°C (-10°F) | Condensing: 54.4°C (130°F) | Gas and Ambient: 32.2°C (90°F) | Liquid: 32.2°C (90°F)  
 Test Conditions M/HBP: Evaporating: 7.2°C (45°F) | Condensing: 54.4°C (130°F) | Gas and Ambient: 35°C (95°F) | Liquid Subcooling: 8.3°C (15°F)

**Note:** After replacement, the compressor and its accessories must have proper processing, and the components must be recycled according to the material group (ferrous, non-ferrous, polymers, oils, ...) directives. These recommendations are intended to minimize the adverse impacts that may be caused to the environment.