

Selection guide

Scroll Compressors

Heat Pump
Application

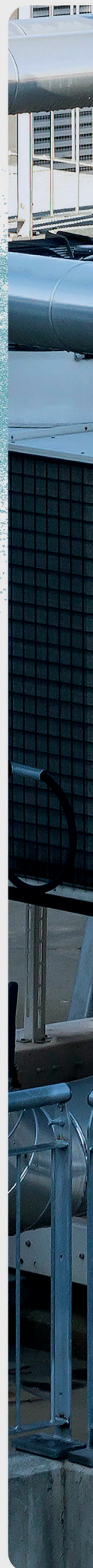


think ahead

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Nidec

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We are Nidec Global Appliance

A global partner for home and commercial industries

About Nidec Global Appliance

With more than 12,400 employees, 19 facilities, and 5 commercial offices across 9 countries, Nidec Global Appliance manufactures and markets solutions for commercial and residential applications. Its portfolio includes Embraco and U.S. MOTORS® solutions for refrigeration, heating, ventilation, and air conditioning; Nidec motors for residential washing machines, dryers, and dishwashers; and FIR motors and pumps for food service and various commercial and industrial applications. Nidec Global Appliance is a Platform of ACIM (Appliance, Commercial, and Industrial Motors), a Business Unit of Nidec Corporation.

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Over 50 years
raising the bar
of refrigeration

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About Embraco

Embraco is a global brand of solutions for refrigeration, heating, and air-conditioning, counting on a broad, efficient, and competitive portfolio of compressors (both hermetic piston and scroll), condensing units, monoblocks, and electronic components for applications in the residential, food service, food retail, merchandisers, medical, agriculture, and industrial sectors. Since 1971, its solutions have been differentiated by innovation that exceeds customers' most challenging expectations. Embraco is part of Nidec Global Appliance. Further information at www.embraco.com.



Home Appliances

Products for residential applications for HVAC&R.



Commercial Appliances

Compressors and cooling solutions for commercial applications for food retail, kitchens, industrial and agriculture end use.

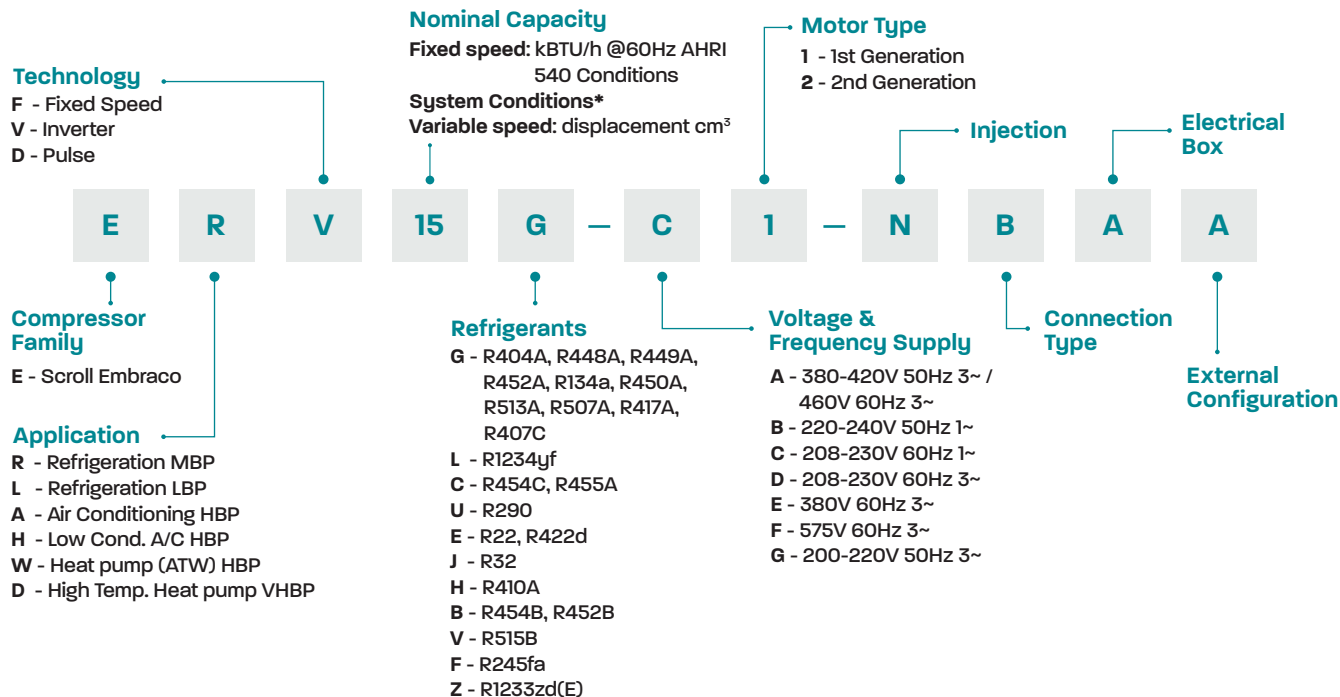


Aftermarket

Parts distribution, replacement and retail focused on retail owners, installers and contractors.

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Nomenclature



AHRI 540 (60 Hz)

LBP: E.T. -31.7°C (-25°F) | C.T. 40.6°C (105°F) | SH 50K | SC 0K
MBP: E.T. -6.7°C (20°F) | C.T. 48.9°C (120°F) | SH 25K | SC 0K
HBP / A/C: E.T. 7.2°C (45°F) | C.T. 54.4°C (130°F) | SH 11.1K | SC 8.3K
HP: E.T. 5°C (41°F) | C.T. 55°C (131°F) | SH 5K | SC 4K

*System Conditions

Low Cond. A/C (50 Hz): E.T. 10°C (50°F) | C.T. 46°C (114.8°F) | SH 11K | SC 8.5K
HP R290 (60 Hz): E.T. -7°C (19.4°F) | C.T. 50°C (122°F) | SH 11.1K | SC 8.3K
R515B (50 Hz): E.T. 30°C (86°F) | C.T. 95°C (203°F) | SH 11.1K | SC 8.3K
R245fa (50 Hz): E.T. 50°C (122°F) | C.T. 120°C (248°F) | SH 5K | SC 10K
R1233zd(E) (50 Hz): E.T. 70°C (158°F) | C.T. 145°C (293°F) | SH 5K | SC 10K

Product Platform & Capacity Range

Product Series	Refrigerant	TR	1.2	1.5	2	3	4	5	6	7	8	9	10	11	12	13	15	20	25	30	35
EWF**E/H	R22 / R410A	1 Phase																			
		3 Phase																			
EWF**J	R32	1 Phase																			
		3 Phase																			
EWF/ED**G	R134a	1 Phase																			
		3 Phase																			
ED**V/F/Z	R515B / R245fa / R1233zd(E)	3 Phase																			
ED**U	R290	1 Phase																			
		3 Phase																			

High Efficiency Heat Pump Application

R22 | Power Supply 50 Hz 220-240 1~ (B)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25E-B1	2.0	6.1	34.8	7919	27021	2086	3.8	13.0	ZW30KA-PFS-582	/	/
EWf34E-B1	3.0	8.4	48.0	10906	37213	2778	3.9	13.4	ZW34KA-PFS-582	/	/
EWf49E-B1	4.0	11.7	67.2	15450	52718	3978	3.9	13.3	ZW52KA-PFS-522	/	/

R22 | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25E-A1	2.0	6.1	34.8	7885	26905	1984	4.0	13.6	/	/	/
EWf34E-A1	3.0	8.4	48.0	10868	37083	2724	4.0	13.6	ZW34KA-TFP-582	/	/
EWf49E-A1	4.0	11.7	67.2	15551	53062	3704	4.2	14.3	/	/	/
EWf58E-A1	5.0	14.3	82.0	18402	62790	4590	4.0	13.7	ZW61KA-TFP-522/52E	/	YW135A1-100
EWf71E-A1	6.0	17.2	98.7	22302	76098	5454	4.1	14.0	ZW72KA-TFP-52E	/	YW160A1-100
EWf77E-A1	7.0	19.1	109.5	24983	85246	6109	4.1	14.0	ZW79KA-TFP-522	/	YW185A1-100
EWf93E-A1	8.0	22.6	129.9	29233	99747	7273	4.0	13.7	ZW108KA-TFP-522	/	YW205A1-100
EWf122E-A1	10.0	29.4	168.7	37884	129266	9356	4.1	13.8	ZW124KA /125KA-TFP	/	YW285A1-100
EWf140E-A1	12.0	33.5	192.8	43105	147080	10567	4.1	13.9	/	/	YW320A1-100
EWf150E-A1	13.0	36.0	207.0	45905	156634	11337	4.1	13.8	ZW150KA-TFP-522	/	YW360A1-105
EWf167E-A1	15.0	40.8	234.4	53006	180864	13090	4.1	13.8	/	/	YW400A1-105
EWf240E-A1	20.0	58.1	334.0	76473	260937	18727	4.1	13.9	/	/	/
EWf273E-A1	25.0	66.6	382.6	87145	297351	21597	4.0	13.8	/	/	/
EWf330E-A1	30.0	80.7	464.0	108312	369576	27913	3.9	13.3	/	/	/

R22 | Power Supply 50 Hz 220-240 1~ (B)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25E-B1	2.0	6.1	34.8	8698	29679	2085	4.2	13.0	ZW30KS-PFS-582	/	/
EWf34E-B1	3.0	8.4	48.0	12367	42198	3133	4.0	12.3	ZW34KS-PFS-582	/	YW75A2-V102
EWf49E-B1	4.0	11.7	67.2	16983	57948	3977	4.3	13.3	ZW52KS-PFS-522	/	YW110A2-V100

R22 | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25E-A1	2.0	6.1	34.8	8673	29594	1983	4.4	13.6	/	/	/
EWf34E-A1	3.0	8.4	48.0	12234	41744	3000	4.1	12.7	ZW34KS-TFP-582	/	YW75A1-V100
EWf49E-A1	4.0	11.7	67.2	17134	58464	3703	4.6	14.3	/	/	YW110A1-V100
EWf58E-A1	5.0	14.3	82.0	20271	69168	4611	4.4	13.6	ZW61KS-TFP-522	/	YW135A1-V100
EWf71E-A1	6.0	17.2	98.7	24581	83874	5480	4.5	13.9	/	/	YW160A1-V100
EWf77E-A1	7.0	19.1	109.5	27535	93953	6138	4.5	13.9	ZW79KS-TFP-522	/	YW185A1-V100
EWf93E-A1	8.0	22.6	129.9	32204	109885	7307	4.4	13.7	ZW108KS-TFP-522	/	YW205A1-V100
EWf122E-A1	10.0	29.4	168.7	41743	142433	9400	4.4	13.8	ZW124KS /125KS-TFP	/	YW285A1-V100
EWf140E-A1	12.0	33.5	192.8	47506	162097	10616	4.5	13.9	/	/	YW320A1-V100
EWf150E-A1	13.0	36.0	207.0	50581	172590	11390	4.4	13.8	ZW150KS-TFP-522	/	/
EWf167E-A1	15.0	40.8	234.4	58405	199286	13152	4.4	13.8	/	/	/
EWf240E-A1	20.0	58.1	334.0	84190	287268	18721	4.5	13.9	/	/	/
EWf273E-A1	25.0	66.6	382.6	95905	327241	21590	4.4	13.8	/	/	/
EWf330E-A1	30.0	80.7	464.0	119056	406236	27904	4.3	13.3	/	/	/

R410A | Power Supply 50 Hz 220-240 1~ (B)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25H-B1	2.0	4.4	25.0	8132	27748	2355	3.5	11.8	ZW31KWP/28KWP-PFZ	/	/
EWf34H-B1	3.0	6.1	34.8	11477	39161	3165	3.6	12.4	ZW42KWP-PFZ-522	/	/
EWf49H-B1	4.0	8.0	45.8	14957	51035	4149	3.6	12.3	ZW51KWP-PFZ-522	/	/

R410A | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25H-A1	2.0	4.4	25.0	8123	27717	2315	3.5	12.0	/	/	/
EWf34H-A1	3.0	6.1	34.8	11488	39199	3018	3.8	13.0	ZW42KWP-TFD-52E	/	/
EWf49H-A1	4.0	8.0	45.8	14989	51145	3881	3.9	13.2	ZW54KWP/165 /166HAP	/	YW110C1-100
EWf58H-A1	5.0	10.0	57.5	18964	64708	4920	3.9	13.2	ZW188HAP /ZW206HAP	/	YW135C1-100
EWf71H-A1	6.0	11.9	68.4	22567	77002	5825	3.9	13.2	ZW72KWP-TFD-52E	/	YW160C1-100
EWf77H-A1	7.0	12.8	73.6	24467	83485	6412	3.8	13.0	ZW83KWP-TFD-522	/	YW185C1-100
EWf85H-A1	7.5	13.9	79.8	26465	90302	6914	3.8	13.1	/	/	/
EWf93H-A1	8.0	15.4	88.6	29251	99809	7570	3.9	13.2	/	PSH019	/
EWf122H-A1	10.0	20.2	116.3	38358	130883	9901	3.9	13.2	ZW375HAC-TFP	PSH026	YW270C1-100
EWf140H-A1	12.0	22.6	129.9	42847	146200	11031	3.9	13.3	ZW420HAP-TFP	PSH030	YW320C1-100
EWf150H-A1	13.0	25.4	146.0	47034	160487	12171	3.9	13.2	ZW465HAP-TFP	PSH034	YW340C1-105
EWf167H-A1	15.0	29.4	168.7	55641	189855	14399	3.9	13.2	/	PSH039	YW400C1-105
EWf240H-A1	20.0	41.0	235.5	77670	265021	19969	3.9	13.3	/	PSH051	YW550C1-100
EWf273H-A1	25.0	46.0	264.6	86867	296403	22179	3.9	13.4	/	PSH / PCH065	YW630C1-100
EWf330H-A1	30.0	59.9	344.0	113880	388575	29710	3.8	13.6	/	PSH077	/

R410A | Power Supply 50 Hz 220-240 1~ (B)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25H-B1	2.0	4.4	25.0	9198	31385	2356	3.9	11.8	/	/	/
EWf34H-B1	3.0	6.1	34.8	13012	44399	3166	4.1	12.4	ZW059HSP-PFS-582	/	YW75C2-V102
EWf49H-B1	4.0	8.0	45.8	16952	57843	4151	4.1	12.3	ZW096HSP-PFS-522	/	YW110C2-V100

R410A | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25H-A1	2.0	4.4	25.0	9195	31375	2316	4.0	12.0	/	/	/
EWf34H-A1	3.0	6.1	34.8	13052	44535	3019	4.3	13.0	/	/	/
EWf49H-A1	4.0	8.0	45.8	17040	58143	3883	4.4	13.2	ZW100HSP /ZW102HSP	/	YW110C1-V100
EWf58H-A1	5.0	10.0	57.5	21569	73596	4934	4.4	13.1	ZW116HSP-TFP	/	YW135C1-V100
EWf71H-A1	6.0	11.9	68.4	25673	87600	5842	4.4	13.2	ZW126HSP-TFP	/	YW160C1-V100
EWf77H-A1	7.0	12.8	73.6	27755	94704	6420	4.3	13.2	/	/	YW185C1-V100
EWf85H-A1	7.5	13.9	79.8	30075	102620	6917	4.4	13.1	/	/	/
EWf93H-A1	8.0	15.4	88.6	33274	113536	7592	4.4	13.2	/	PSH019	/
EWf122H-A1	10.0	20.2	116.3	43638	148899	9929	4.4	13.2	/	PSH026	YW270C1-V100
EWf140H-A1	12.0	22.6	129.9	48749	166338	11063	4.4	13.2	ZW258HSP-TFP	PSH030	YW320C1-V100
EWf150H-A1	13.0	25.4	146.0	53502	182556	12207	4.4	13.2	ZW286HSP /154KSP-TFP	PSH034	YW340C1-V105
EWf167H-A1	15.0	29.4	168.7	63292	215961	14440	4.4	13.2	/	PSH039	YW400C1-V105
EWf240H-A1	20.0	41.0	235.5	88325	301377	19977	4.4	13.3	ZW430HSP-TEP	PSH051	YW550C1-V100
EWf273H-A1	25.0	46.0	264.6	98812	337161	22188	4.5	13.4	ZW520HSP-TEP	PSH / PCH065	YW630C1-V100
EWf330H-A1	30.0	59.9	344.0	129422	441606	29722	4.4	13.6	/	PSH077	/

R134a | Power Supply 50 Hz 220-240 1~ (B)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf16G-B1	2.0	6.1	34.8	5262	17955	1467	3.6	12.3	ZW30KAE-PFS-582	/	YW38J2-102
EWf22G-B1	3.0	8.4	48.0	7156	24417	2001	3.6	12.2	ZW34KAE-PFS-582	/	YW55J2-102
EWf32G-B1	4.0	11.7	67.2	10259	35005	2819	3.6	12.4	ZW52KAE-PFS-522	/	YW80J2-100

R134a | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI0G-A1	1.5	4.4	25.0	3502	11949	964	3.6	12.4	/	/	YW38J1-100
EWFI6G-A1	2.0	6.1	34.8	5224	17825	1351	3.9	13.2	/	/	YW38J1-100
EWFI22G-A1	3.0	8.4	48.0	6721	22933	1726	3.9	13.3	ZW34KAE-TFP-582	/	YW55J1-100
EWFI25G-A1	3.5	10.0	57.5	8070	27536	2036	4.0	13.5	/	/	/
EWFI32G-A1	4.0	11.7	67.2	10192	34777	2485	4.1	14.0	/	/	YW80J1-100
EWFI38G-A1	5.0	14.3	82.0	12000	40946	2933	4.1	14.0	ZW61KAE-TFP-522/52E	/	YW100J1-100
EWFI49G-A1	6.0	17.2	98.7	14500	49476	3519	4.1	14.1	ZW72KAE-TFP-52E	/	YW120J1-100
EWFI50G-A1	7.0	19.1	109.5	15745	53724	3827	4.1	14.1	ZW79KAE-TFP-522	/	YW132 / 137J1
EWFI56G-A1	7.5	21.0	120.8	17889	61040	4284	4.2	14.3	/	/	YW155J1-100
EWFI58G-A1	8.0	22.6	129.9	19500	66537	4779	4.1	13.9	/	/	/
EWFI67G-A1	9.0	25.4	146.0	21550	73532	5256	4.1	14.0	ZW108KAE-TFP-522	/	YW180J1-100
EWFI79G-A1	10.0	29.4	168.7	25000	85304	6068	4.1	14.1	ZW124KAE / 125KAE-TFP	/	YW200J1-100
EWFI91G-A1	12.0	33.5	192.8	28600	97587	6924	4.1	14.1	ZW150KAE-TFP-522	/	YW240J1-100
EWFI97G-A1	13.0	36.0	207.0	30691	104722	7479	4.1	14.0	/	/	YW260J1-100
EWFI10G-A1	15.0	40.8	234.4	34500	117719	8293	4.2	14.2	/	/	YW290J1-100
EWFI60G-A1	20.0	58.1	334.0	50519	172378	12378	4.1	13.9	/	/	YW390J1-100
EWFI80G-A1	25.0	66.6	382.6	56643	193274	14390	3.9	13.8	/	/	YW470J1-100
EWFI220G-A1	30.0	80.7	464.0	71089	242566	18295	3.9	13.3	/	/	/

R134a | Power Supply 50 Hz 220-240 1~ (B)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI6G-B1	2.0	6.1	34.8	5879	20060	1467	4.0	12.3	ZW30KSE-PFS-582	/	/
EWFI22G-B1	3.0	8.4	48.0	7994	27277	2001	4.0	12.2	ZW34KSE-PFS-582	/	YW55J2-V102
EWFI32G-B1	4.0	11.7	67.2	11468	39130	2819	4.1	12.4	ZW52KSE-PFS-522	/	YW80J2-V100

R134a | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI6G-A1	2.0	6.1	34.8	5853	19971	1351	4.3	13.2	/	/	YW38J1-V100
EWFI22G-A1	3.0	8.4	48.0	7533	25704	1726	4.4	13.3	ZW34KSE-TFP-582	/	YW55J1-V100
EWFI32G-A1	4.0	11.7	67.2	11444	39049	2485	4.6	14.0	/	/	YW80J1-V100
EWFI38G-A1	5.0	14.3	82.0	13500	46064	2960	4.6	13.9	ZW61KSE-TFP-522	/	YW100J1-V100
EWFI49G-A1	6.0	17.2	98.7	16302	55625	3537	4.6	14.0	/	/	YW120J1-V100
EWFI50G-A1	7.0	19.1	109.5	17666	60279	3812	4.6	14.1	ZW79KSE-TFP-522	/	YW132J1-V100
EWFI56G-A1	7.5	21.0	120.8	20100	68584	4284	4.7	14.3	/	/	/
EWFI58G-A1	8.0	22.6	129.9	21916	74780	4803	4.6	13.9	/	/	/
EWFI67G-A1	9.0	25.4	146.0	24743	84427	5801	4.3	13.9	ZW108KSE-TFP-522	/	YW180J1-V100
EWFI79G-A1	10.0	29.4	168.7	28106	95902	6098	4.6	14.0	ZW124KSE / I25KSE-TFP	/	YW200J1-V100
EWFI91G-A1	12.0	33.5	192.8	32156	109721	6960	4.6	14.1	ZW150KSE-TFP-522	/	YW240J1-V100
EWFI97G-A1	13.0	36.0	207.0	34462	117589	7480	4.6	14.0	/	/	/
EWFI10G-A1	15.0	40.8	234.4	38800	132391	8335	4.7	14.2	/	/	/
EWFI60G-A1	20.0	58.1	334.0	56717	193526	12379	4.6	13.9	/	/	/
EWFI80G-A1	25.0	66.6	382.6	64433	219855	14168	4.6	13.8	/	/	/
EWFI220G-A1	30.0	80.7	464.0	79668	271838	18296	4.4	13.3	/	/	/

R32 | Power Supply 50 Hz 220-240 1~ (B)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI240J-A1	20.0	38.9	223.4	79328	270678	20239	3.9	13.4	/	/	/
EWFI273J-A1	25.0	44.3	254.4	89910	306786	22674	4.0	13.5	/	/	/
EWFI330J-A1	30.0	55.5	318.9	113599	387616	28000	4.1	13.9	/	/	/

R32 | Power Supply 50 Hz 220-240 1~ (B)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI240J-A1	20.0	38.9	223.4	87443	298368	20239	4.3	13.4	/	/	/
EWFI273J-A1	25.0	44.3	254.4	99145	338297	22674	4.4	13.5	/	/	/
EWFI330J-A1	30.0	55.5	318.9	125355	427729	28000	4.5	13.9	/	/	/

R290 | Power Supply 50 Hz 220-240 1~ (B)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFO8U-B1	1.2	3.8	21.6	3046	10393	1148	2.7	9.1	/	/	/
EWFO9U-B1	1.4	4.4	25.0	3479	11871	1262	2.8	9.4	/	/	/
EWFI2U-B1	1.7	5.3	30.5	4188	14290	1471	2.9	9.7	/	/	/
EWFI5U-B1	2.0	6.1	34.8	4856	16569	1629	3.0	10.2	ZH04KCU-PFZ	/	/
EWFI8U-B1	2.5	7.4	42.7	5963	20347	2076	2.9	9.8	/	/	/
EWFI21U-B1	3.0	8.4	48.0	6649	22687	2245	3.0	10.1	ZH06KCU-PFZ	/	/
EWFI24U-B1	3.5	10.0	57.5	8060	27502	2794	2.9	9.9	ZH08KCU-PFZ	/	/
EWFI30U-B1	4.0	11.7	67.2	9513	32460	3136	3.0	10.4	ZH09KCU-PFZ	/	/
EWFI35U-B1	5.0	14.3	82.0	11139	38008	3423	3.3	11.1	ZH11KCU-PFZ	/	/

R290 | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFO8U-A1	1.2	3.8	21.6	3000	10236	1039	2.9	9.9	/	/	/
EWFO9U-A1	1.4	4.4	25.0	3434	11717	1153	3.0	10.2	/	/	/
EWFI2U-A1	1.7	5.3	30.5	4130	14092	1339	3.1	10.5	/	/	/
EWFI5U-A1	2.0	6.1	34.8	4805	16395	1512	3.2	10.9	ZH04KCU-TFM	/	/
EWFI8U-A1	2.5	7.4	42.7	5874	20043	1850	3.2	10.8	/	/	/
EWFI21U-A1	3.0	8.4	48.0	6567	22408	2031	3.2	11.0	ZH06KCU-TFM	/	/
EWFI24U-A1	3.5	10.0	57.5	7888	26915	2386	3.3	11.3	ZH08KCU-TFM	/	/
EWFI30U-A1	4.0	11.7	67.2	9410	32108	2793	3.4	11.5	ZH09KCU-TFM	/	/
EWFI35U-A1	5.0	14.3	82.0	11240	38352	3330	3.4	11.5	ZH11KCU-TFM	/	/
EWFI42U-A1	6.0	17.2	98.7	13611	46443	3961	3.4	11.7	ZH13KCU-TFM	/	/
EWFI49U-A1	7.0	19.1	109.5	14888	50800	4424	3.4	11.5	/	/	/
EWFI50U-A1	8.0	21.0	120.8	16710	57017	4939	3.4	11.6	ZH16KCU-TFM	/	/
EWFI63U-A1	9.0	25.4	146.0	20339	69400	6057	3.4	11.5	/	/	/
EWFI73U-A1	10.0	29.4	168.7	23682	80806	7032	3.4	11.5	/	/	/
EWFI85U-A1	12.0	33.5	192.8	26763	91319	7584	3.5	12.1	/	/	/
EWFI91U-A1	13.0	36.0	207.0	28850	98440	8429	3.4	11.7	/	/	/
EWFI04U-A1	15.0	40.8	234.4	32882	112198	9747	3.4	11.5	/	/	/

60Hz

Scroll Compressor · Selection Guide HP · think ahead

*E.T. 5°C (41°F) | *C.T. 55°C (131°F) | Superheat 11.1K | Subcooling 8.3K

High Efficiency Heat Pump Application

R22 | Power Supply 60 Hz 208-230 1~ (C)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25E-C1	2.0	7.3	34.8	9642	32900	2555	3.8	12.9	/	/	/
EWf34E-C1	3.0	10.0	48.0	13085	44648	3320	3.9	13.5	/	/	/
EWf49E-C1	4.0	14.0	67.2	18720	63875	4636	4.0	13.8	/	/	/

R22 | Power Supply 60 Hz 230 3~ (D) 380 3~(E) 460 3~(A) 575 3~(F)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25E-D1	2.0	7.3	34.8	9641	32896	2479	3.9	13.3	/	/	/
EWf34E-D1	3.0	10.0	48.0	13065	44580	3247	4.0	13.7	/	/	/
EWf49E-D1	4.0	14.0	67.2	18835	64268	4623	4.1	13.9	/	/	/
EWf58E-D1	5.0	17.1	82.0	22557	76968	5641	4.0	13.7	/	/	/
EWf71E-D1	6.0	20.6	98.7	27371	93394	6819	4.0	13.7	/	/	/
EWf77E-D1	7.0	22.9	109.5	29913	102067	7467	4.0	13.7	/	/	/
EWf93E-D1	8.0	27.1	129.9	36543	124690	9294	3.9	13.4	/	/	/
EWf122E-D1	10.0	35.2	168.7	47176	160971	12243	3.9	13.2	/	/	/
EWf140E-D1	12.0	40.3	192.8	54649	186470	14182	3.9	13.2	/	/	/
EWf150E-D1	13.0	43.2	207.0	58396	199255	15134	3.9	13.2	/	/	/
EWf167E-D1	15.0	48.9	234.4	67687	230958	19015	3.6	12.2	/	/	/
EWf240E-E1	20.0	69.7	334.0	95411	325556	25658	3.7	12.1	/	/	/
EWf273E-E1	25.0	79.9	382.6	109312	372988	29409	3.7	12.1	/	/	/
EWf330E-E1	30.0	96.9	464.0	132515	452160	35711	3.7	12.1	/	/	/

R22 | Power Supply 60 Hz 208-230 1~ (C)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25E-C1	2.0	7.3	34.8	10589	36131	2555	4.1	12.9	/	/	/
EWf34E-C1	3.0	10.0	48.0	14390	49101	3319	4.3	13.5	/	/	/
EWf49E-C1	4.0	14.0	67.2	20603	70300	4634	4.5	13.8	/	/	/

R22 | Power Supply 60 Hz 230 3~ (D) 380 3~(E) 460 3~(A) 575 3~(F)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25E-D1	2.0	7.3	34.8	10598	36162	2478	4.3	13.3	/	/	/
EWf34E-D1	3.0	10.0	48.0	14377	49056	3246	4.4	13.7	/	/	/
EWf49E-D1	4.0	14.0	67.2	20734	70747	4622	4.5	13.9	/	/	/
EWf58E-D1	5.0	17.1	82.0	24817	84679	5640	4.4	13.7	/	/	/
EWf71E-D1	6.0	20.6	98.7	30117	102763	6817	4.4	13.7	/	/	/
EWf77E-D1	7.0	22.9	109.5	32912	112300	7465	4.4	13.7	/	/	/
EWf93E-D1	8.0	27.1	129.9	40185	137117	9291	4.3	13.4	/	/	/
EWf122E-D1	10.0	35.2	168.7	51844	176899	12239	4.2	13.2	/	/	/
EWf140E-D1	12.0	40.3	192.8	60057	204923	14178	4.2	13.2	/	/	/
EWf150E-D1	13.0	43.2	207.0	64177	218981	15129	4.2	13.2	/	/	/
EWf240E-E1	20.0	69.7	334.0	104731	357357	25650	4.1	12.1	/	/	/
EWf273E-E1	25.0	79.9	382.6	119989	409419	29400	4.1	12.1	/	/	/
EWf330E-E1	30.0	96.9	464.0	145450	496296	35700	4.1	12.1	/	/	/
EWf330E-E1	30.0	96.9	464.0	133904	457305	37700	3.60	12.1	/	/	/

R410A | Power Supply 60 Hz 208-230 1~ (C)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25H-C1	2.0	5.2	25.0	9906	33801	2848	3.5	11.9	/	/	/
EWf34H-C1	3.0	7.3	34.8	13945	47582	3791	3.7	12.6	/	/	/
EWf49H-C1	4.0	9.6	45.8	17998	61412	4628	3.9	13.3	/	/	/

R410A | Power Supply 60 Hz 230 3~ (D) 380 3~(E) 460 3~(A) 575 3~(F)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25H-D1	2.0	5.2	25.0	9896	33767	2788	3.6	12.1	/	/	/
EWf34H-D1	3.0	7.3	34.8	13917	47487	3746	3.7	12.7	/	/	/
EWf49H-D1	4.0	9.6	45.8	18193	62077	4761	3.8	13.1	/	/	/
EWf58H-D1	5.0	12.0	57.5	22859	77998	5994	3.8	13.0	/	/	/
EWf71H-D1	6.0	14.3	68.4	27203	92820	7024	3.9	13.2	/	/	/
EWf77H-D1	7.0	15.4	73.6	29663	101214	7647	3.9	13.2	/	/	/
EWf93H-D1	8.0	18.5	88.6	36135	123298	9658	3.7	12.8	/	/	/
EWf122H-D1	10.0	24.3	116.3	46550	158835	12455	3.7	12.8	/	/	/
EWf140H-D1	12.0	27.1	129.9	52919	180567	13826	3.8	13.1	/	/	/
EWf150H-D1	13.0	30.5	146.0	58337	199054	15314	3.8	13.0	/	/	/
EWf167H-D1	15.0	35.2	168.7	68879	235025	19406	3.6	12.1	/	/	/
EWf240H-E1	20.0	49.2	235.5	95168	324727	25690	3.7	12.1	/	/	/
EWf273H-E1	25.0	55.2	264.6	106977	365021	28789	3.7	12.1	/	/	/
EWf330H-E1	30.0	71.8	343.0	139000	474288	37485	3.7	12.1	/	/	/

R410A | Power Supply 60 Hz 208-230 1~ (C)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25H-C1	2.0	5.2	25.0	11209	38247	2849	3.9	11.9	/	/	/
EWf34H-C1	3.0	7.3	34.8	15820	53980	3792	4.2	12.6	/	/	/
EWf49H-C1	4.0	9.6	45.8	20467	69836	4630	4.4	13.3	/	/	/

R410A | Power Supply 60 Hz 230 3~ (D) 380 3~(E) 460 3~(A) 575 3~(F)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWf25H-D1	2.0	5.2	25.0	11209	38247	2789	4.0	12.1	/	/	/
EWf34H-D1	3.0	7.3	34.8	15795	53895	3748	4.2	12.7	/	/	/
EWf49H-D1	4.0	9.6	45.8	20674	70543	4763	4.3	13.0	/	/	/
EWf58H-D1	5.0	12.0	57.5	25973	88624	5996	4.3	13.0	/	/	/
EWf71H-D1	6.0	14.3	68.4	30929	105534	7026	4.4	13.2	/	/	/
EWf77H-D1	7.0	15.4	73.6	33728	115085	7650	4.4	13.2	/	/	/
EWf93H-D1	8.0	18.5	88.6	41023	139976	9662	4.3	12.8	/	/	/
EWf122H-D1	10.0	24.3	116.3	52845	180315	12460	4.2	12.8	/	/	/
EWf140H-D1	12.0	27.1	129.9	60137	205196	13831	4.4	13.1	/	/	/
EWf150H-D1	13.0	30.5	146.0	66281	226160	15320	4.3	13.0	/	/	/
EWf240H-E1	20.0	49.2	235.5	107998	368504	25700	4.2	12.1	/	/	/
EWf273H-E1	25.0	55.2	264.6	121414	414282	28800	4.2	12.1	/	/	/
EWf330H-E1	30.0	71.8	343.0	157745	538248	37500	4.2	12.1	/	/	/
EWf330H-E1	30.0	71.8	344.0	140413	479536	39600	3.50	12.1	/	/	/

R134a | Power Supply 60 Hz 208/230 1~ (C)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI6G-C1	2.0	7.3	34.8	6399	21834	1806	3.5	12.1	/	/	/
EWF22G-C1	3.0	10.0	48.0	8629	29443	2281	3.8	12.9	/	/	/
EWF32G-C1	4.0	14.0	67.2	12326	42058	3164	3.9	13.3	/	/	/

R134a | Power Supply 60 Hz 230 3~ (D) 380 3~(E) 460 3~(A) 575 3~(F)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI6G-D1	2.0	7.30	34.8	6368	21729	1677	3.8	13.00	/	/	/
EWF22G-D1	3.0	10.00	48.0	8586	29297	2142	4.0	13.70	/	/	/
EWF32G-D1	4.0	14.00	67.2	12351	42143	3085	4.0	13.70	/	/	/
EWF38G-D1	5.0	17.10	82.0	14748	50322	3674	4.0	13.70	/	/	/
EWF49G-D1	6.0	20.60	98.7	17877	60999	4393	4.1	13.90	/	/	/
EWF50G-D1	7.0	22.90	109.5	19518	66598	4929	4.0	13.50	/	/	/
EWF56G-D1	7.5	25.20	120.8	22126	75497	5646	3.9	13.40	/	/	/
EWF58G-D1	8.0	27.10	129.9	24006	81912	6314	3.8	13.00	/	/	/
EWF67G-D1	9.0	30.50	146.0	26657	90957	6947	3.8	13.10	/	/	/
EWF79G-D1	10.0	35.20	168.7	30982	105715	7874	3.9	13.40	/	/	/
EWF91G-D1	12.0	40.30	192.8	35858	122353	9371	3.8	13.10	/	/	/
EWF97G-D1	13.0	43.20	207.0	38300	130685	9902	3.9	13.20	/	/	/
EWFI10G-D1	15.0	48.90	234.4	44123	150554	12032	3.7	12.50	/	/	/
EWFI60G-E1	20.0	69.70	334.0	62655	213788	16399	3.8	12.50	/	/	/
EWFI80G-E1	25.0	79.90	382.6	71699	244647	18799	3.8	12.50	/	/	/
EWF220G-E1	30.0	96.90	464.0	86999	296853	22798	3.8	12.50	/	/	/

R134a | Power Supply 60 Hz 208-230 1~ (C)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI6G-C1	2.0	7.3	34.8	7145	24380	1806	4.0	12.1	/	/	/
EWF22G-C1	3.0	10.0	48.0	9661	32965	2281	4.2	12.9	/	/	/
EWF32G-C1	4.0	14.0	67.2	13814	47135	3164	4.4	13.3	/	/	/

R134a | Power Supply 60 Hz 230 3~ (D) 380 3~(E) 460 3~(A) 575 3~(F)

*Vapor Injection

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFI6G-D1	2.0	7.3	34.8	7130	24329	1677	4.3	13.0	/	/	/
EWFI22G-D1	3.0	10.0	48.0	9633	32869	2142	4.5	13.7	/	/	/
EWFI32G-D1	4.0	14.0	67.2	14879	50769	4107	3.6	13.7	/	/	/
EWFI38G-D1	5.0	17.1	82.0	16547	56461	3674	4.5	13.7	/	/	/
EWFI49G-D1	6.0	20.6	98.7	20068	68475	4393	4.6	13.9	/	/	/
EWFI50G-D1	7.0	22.9	109.5	21889	74688	4929	4.4	13.5	/	/	/
EWFI56G-D1	7.5	25.2	120.8	24804	84635	5646	4.4	13.4	/	/	/
EWFI58G-D1	8.0	27.1	129.9	26880	91718	6314	4.3	13.0	/	/	/
EWFI67G-D1	9.0	30.5	146.0	29860	101887	6948	4.3	13.1	/	/	/
EWFI79G-D1	10.0	35.2	168.7	35509	121162	8646	4.1	13.4	/	/	/
EWFI91G-D1	12.0	40.3	192.8	40163	137042	9372	4.3	13.1	/	/	/
EWFI97G-D1	13.0	43.2	207.0	42915	146432	9903	4.3	13.2	/	/	/
EWFI60G-E1	20.0	69.7	334.0	70172	239437	16400	4.3	12.5	/	/	/
EWFI80G-E1	25.0	79.9	382.6	80295	273978	18800	4.3	12.5	/	/	/
EWFI220G-E1	30.0	96.9	464.0	97431	332448	22800	4.3	12.5	/	/	/
EWFI220G-E1	30.0	96.9	464.0	87301	298148	23900	3.70	12.5	/	/	/

R290 | Power Supply 60 Hz 208-230 1~ (C)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFO8U-C1	1.2	4.5	21.6	3707	12649	1423	2.6	8.9	/	/	/
EWFO9U-C1	1.4	5.2	25.0	4264	14549	1579	2.7	9.2	/	/	/
EWFI2U-C1	1.7	6.4	30.5	5113	17446	1791	2.9	9.7	/	/	/
EWFI5U-C1	2.0	7.3	34.8	5917	20190	1988	3.0	10.2	/	/	/
EWFI8U-C1	2.5	8.9	42.7	7168	24458	2349	3.1	10.4	/	/	/
EWFI21U-C1	3.0	10.0	48.0	7998	27290	2563	3.1	10.7	/	/	/
EWFI24U-C1	3.5	12.0	57.5	9645	32910	3061	3.2	10.8	/	/	/
EWFI30U-C1	4.0	14.0	67.2	11405	38915	3501	3.3	11.1	/	/	/
EWFI35U-C1	5.0	17.1	82.0	13704	46760	4344	3.2	10.8	/	/	/

R290 | Power Supply 60 Hz 230 3~ (D) 380 3~(E) 460 3~(A) 575 3~(F)

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EWFO8U-D1	1.2	4.5	21.6	3675	12540	1292	2.9	9.7	/	/	/
EWFO9U-D1	1.4	5.2	25.0	4199	14328	1426	2.9	10.1	/	/	/
EWFI2U-D1	1.7	6.4	30.5	5056	17252	1656	3.1	10.4	/	/	/
EWFI5U-D1	2.0	7.3	34.8	5866	20016	1868	3.1	10.7	/	/	/
EWFI8U-D1	2.5	8.9	42.7	7103	24236	2210	3.2	11.0	/	/	/
EWFI21U-D1	3.0	10.0	48.0	7937	27082	2437	3.3	11.1	/	/	/
EWFI24U-D1	3.5	12.0	57.5	9531	32521	2893	3.3	11.3	/	/	/
EWFI30U-D1	4.0	14.0	67.2	11419	38963	3436	3.3	11.4	/	/	/
EWFI35U-D1	5.0	17.1	82.0	13619	46470	4071	3.4	11.4	/	/	/
EWFI42U-D1	6.0	20.6	98.7	13699	46743	4058	3.4	11.5	/	/	/
EWFI49U-D1	7.0	22.9	109.5	14905	50858	4456	3.4	11.4	/	/	/
EWFI50U-D1	8.0	25.2	120.8	16731	57089	4984	3.4	11.5	/	/	/
EWFI63U-D1	9.0	30.5	146.0	24738	84410	7541	3.3	11.2	/	/	/
EWFI73U-D1	10.0	35.2	168.7	28527	97338	8475	3.4	11.5	/	/	/
EWFI85U-D1	12.0	40.3	192.8	32849	112085	9785	3.4	11.5	/	/	/
EWFI91U-D1	13.0	43.2	207.0	35224	120189	10658	3.3	11.3	/	/	/
EWFI104U-D1	15.0	48.9	234.4	40227	137260	12404	3.2	11.1	/	/	/

High Temperatures Heat Pump Application

R134a | Power Supply 50 Hz 220-240 1~ (B)

*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDFI6G-BI	2.0	6.1	34.8	5230	17846	1351	3.9	12.3	/	/	/

R134a | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDFI6G-AI	2.0	6.1	34.8	5230	17846	1351	3.9	13.2	/	/	/
EDF49G-AI	6.0	17.2	109.5	15734	53687	3831	4.1	14.1	ZW72KBC-TFP-522	/	/
EDF67G-AI	9.0	25.4	131.0	19758	67417	4917	4.0	13.8	/	/	YW180JI-610
EDF97G-AI	13.0	36.0	234.4	35867	122383	8988	4.0	13.9	/	/	/
EDFI10G-AI	15.0	40.8	207.0	31467	107370	7729	4.1	13.6	/	/	/
EDFI60G-AI	20.0	58.1	382.6	57478	196123	14168	4.1	14.0	/	/	/
EDFI80G-AI	25.0	66.6	334.0	50582	172593	12379	4.1	13.9	ZW330KBE-TFP-522	/	/
EDF220G-AI	30.0	80.7	464.0	71177	242866	18296	3.9	13.3	/	/	/

R515B | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDF14V-A1	5.0	14.3	82.0	14214	48500	4673	3.0	10.4	/	/	/
EDF18V-A1	6.0	17.2	98.7	17770	60634	5845	3.0	10.4	/	/	/
EDF20V-A1	7.0	19.1	109.5	19523	66615	6849	2.9	9.7	/	/	/
EDF21V-A1	7.5	21.8	120.8	20965	71536	7345	2.9	9.7	/	/	/
EDF24V-A1	8.0	22.8	131.0	23661	80735	8272	2.9	9.8	/	/	/
EDF26V-A1	9.0	25.4	146.0	25788	87992	8757	2.9	10.1	/	/	/
EDF31V-A1	10.0	29.4	168.7	30752	104930	10735	2.9	9.8	/	/	/
EDF34V-A1	12.0	33.5	192.8	33888	115631	11467	3.0	10.1	/	/	/
EDF36V-A1	13.0	36.0	206.9	36085	123127	12176	3.0	10.1	/	/	/
EDF42V-A1	15.0	40.8	234.4	41798	142621	14458	2.9	9.9	/	/	YW290KI-100
EDF60V-A1	20.0	58.1	334.0	60469	206329	21183	2.9	9.7	/	/	/
EDF69V-A1	25.0	66.6	382.6	69162	235991	24228	2.9	9.7	/	/	YW470KI-100
EDF84V-A1	30.0	80.7	464.0	84102	286968	29462	2.9	9.7	/	/	/

R515B | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*Vapor Injection
*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDF14V-A1	5.0	14.3	82.0	17281	58965	4674	3.7	10.4	/	/	/
EDF18V-A1	6.0	17.2	98.9	21603	73712	5846	3.7	10.4	/	/	/
EDF20V-A1	7.0	18.8	108.1	24507	83621	7762	3.2	9.7	/	/	/
EDF21V-A1	7.5	21.8	120.8	25343	86474	7347	3.5	9.7	/	/	/
EDF24V-A1	8.0	22.8	131.0	28608	97615	8274	3.5	9.8	/	/	/
EDF26V-A1	9.0	25.4	146.0	31261	106667	8760	3.6	10.1	/	/	/
EDF31V-A1	10.0	29.5	169.5	38635	131828	12188	3.2	9.8	/	/	/
EDF34V-A1	12.0	33.5	192.8	43642	148913	14018	3.1	10.1	/	/	/
EDF36V-A1	13.0	36.0	206.9	43770	149349	12179	3.6	10.1	/	/	/
EDF42V-A1	15.0	40.8	234.4	53188	181485	17065	3.1	9.9	/	/	/
EDF60V-A1	20.0	58.1	334.0	73096	249414	21189	3.5	9.7	/	/	/
EDF69V-A1	25.0	66.6	382.6	83598	285248	24228	3.5	9.7	/	/	/
EDF84V-A1	30.0	80.7	464.0	101665	346895	29470	3.5	9.7	/	/	/

R245fa | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDFI0F-A1	5.0	14.3	82.0	10287	35101	3466	3.0	10.1	/	/	/
EDFI2F-A1	6.0	17.2	98.7	11977	40867	3908	3.1	10.5	/	/	/
EDFI3F-A1	7.0	19.1	109.5	13249	45207	4417	3.0	10.2	/	/	/
EDFI5F-A1	7.5	21.8	120.8	14890	50807	4936	3.0	10.3	/	/	/
EDFI6F-A1	8.0	22.8	131.0	16325	55703	5553	2.9	10.0	/	/	/
EDFI8F-A1	9.0	25.4	146.0	18047	61579	6063	3.0	10.2	/	/	/
EDF21F-A1	10.0	29.4	168.7	21070	71894	7049	3.0	10.2	/	/	/
EDF24F-A1	12.0	33.5	192.8	23714	80916	7905	3.0	10.2	/	/	/
EDF26F-A1	13.0	36.0	206.9	25805	88050	8566	3.0	10.3	/	/	/
EDF29F-A1	15.0	40.8	234.4	29413	100361	9909	3.0	10.1	/	/	/
EDF41F-A1	20.0	58.1	334.0	40650	138704	13253	3.1	10.5	/	/	/
EDF46F-A1	25.0	66.6	382.6	46282	157921	15150	3.1	10.4	/	/	YW470LIG-V100
EDF58F-A1	30.0	80.7	464.0	57976	197822	19865	2.9	10.0	ZW650HUH-TEP-522	/	/

R245fa | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*Vapor Injection
*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDFI0F-A1	5.0	14.3	82.0	11571	39482	3466	3.3	10.1	/	/	/
EDFI2F-A1	6.0	17.2	98.7	13496	46050	3908	3.5	10.5	/	/	/
EDFI3F-A1	7.0	19.1	109.5	14911	50878	4417	3.4	10.2	/	/	/
EDFI5F-A1	7.5	21.8	120.8	16764	57201	4936	3.4	10.3	/	/	/
EDFI6F-A1	8.0	22.8	131.0	18353	62623	5553	3.3	10.0	/	/	/
EDFI8F-A1	9.0	25.4	146.0	20302	69273	6063	3.4	10.2	/	/	/
EDF21F-A1	10.0	29.4	168.7	23709	80898	7049	3.4	10.2	/	/	/
EDF24F-A1	12.0	33.5	192.8	26689	91067	7905	3.4	10.2	/	/	/
EDF26F-A1	13.0	36.0	206.9	29050	99123	8566	3.4	10.3	/	/	/
EDF29F-A1	15.0	40.8	234.4	33084	112887	9909	3.3	10.1	/	/	/
EDF41F-A1	20.0	58.1	334.0	45807	156300	13253	3.5	10.5	/	/	/
EDF46F-A1	25.0	66.6	382.6	52141	177912	15150	3.4	10.4	/	/	YW470LIG-V100
EDF58F-A1	30.0	80.7	464.0	65150	222301	19865	3.3	10.0	ZW650HUH-TEP-522	/	/

R1233zd(E) | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDF12Z-A1	5.0	14.3	82.0	12381	42246	4428	2.8	9.5	/	/	/
EDF15Z-A1	6.0	17.2	98.7	15105	51540	5464	2.8	9.4	/	/	/
EDF16Z-A1	7.0	19.1	109.5	16417	56017	5958	2.8	9.4	/	/	/
EDF20Z-A1	8.0	22.6	129.9	20346	69423	7596	2.7	9.1	/	/	/
EDF22Z-A1	9.0	25.4	146.0	22399	76429	8207	2.7	9.3	/	/	/
EDF26Z-A1	10.0	29.4	168.7	26045	88869	9437	2.8	9.4	/	/	/
EDF30Z-A1	12.0	33.5	192.8	29593	100976	10583	2.8	9.5	/	/	/
EDF32Z-A1	13.0	36.0	207.0	31756	108356	11413	2.8	9.5	/	/	/
EDF36Z-A1	15.0	40.8	234.4	36415	124253	13338	2.7	9.3	/	/	/
EDF51Z-A1	20.0	58.1	334.0	50885	173627	18298	2.8	9.5	/	/	/
EDF58Z-A1	25.0	66.6	382.6	57911	197601	20833	2.8	9.5	/	/	/
EDF69Z-A1	30.0	80.7	444.4	68596	234059	24986	2.8	9.1	/	/	/

R1233zd(E) | Power Supply 50 Hz 380-420 3~ (A) 200-220 3~ (G)

*Vapor Injection
*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDF12Z-A1	5.0	14.3	82.0	13573	46313	4428	3.1	9.5	/	/	/
EDF15Z-A1	6.0	17.2	98.7	16550	56471	5464	3.0	9.4	/	/	/
EDF16Z-A1	7.0	19.1	109.5	17985	61367	5958	3.0	9.4	/	/	/
EDF20Z-A1	8.0	22.6	129.9	22257	75944	7596	2.9	9.1	/	/	/
EDF22Z-A1	9.0	25.4	146.0	24526	83686	8207	3.0	9.3	/	/	/
EDF26Z-A1	10.0	29.4	168.7	28534	97362	9437	3.0	9.4	/	/	/
EDF30Z-A1	12.0	33.5	192.8	32442	110697	10583	3.1	9.5	/	/	/
EDF32Z-A1	13.0	36.0	207.0	34805	118760	11413	3.1	9.5	/	/	/
EDF36Z-A1	15.0	40.8	234.4	39874	136056	13338	3.0	9.3	/	/	/
EDF51Z-A1	20.0	58.1	334.0	55769	190292	18298	3.1	9.5	/	/	/
EDF58Z-A1	25.0	66.6	382.6	63469	216565	20833	3.1	9.5	/	/	/
EDF69Z-A1	30.0	80.7	444.4	76409	260718	26249	2.9	9.1	/	/	/

High Temperatures Heat Pump Application

R134a | Power Supply 60 Hz 208-230 1~ (C)

*High Temperatures

Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDFI6G-C1	2.0	7.3	34.8	6399	21853	1806	3.50	12.1	/	/	/
EDF22G-C1	3.0	10.0	48.0	8629	29470	2281	3.80	12.9	/	/	/
EDF32G-C1	4.0	14.0	67.2	12326	42094	3164	3.90	13.3	/	/	/

R134a | Power Supply 60 Hz 230 3~ (D) 380 3~(E) 460 3~(A) 575 3~(F)

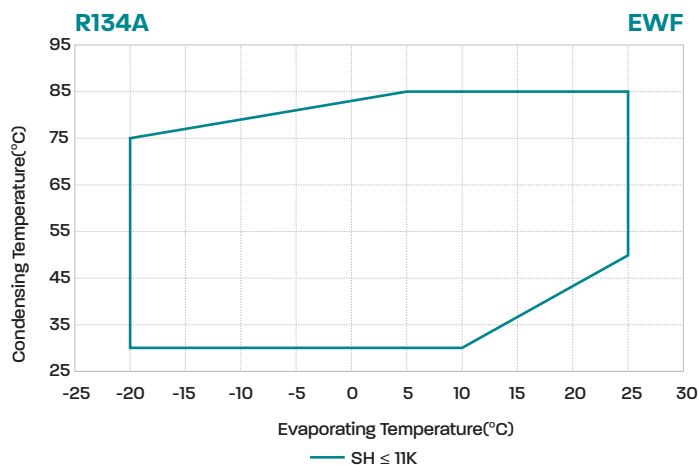
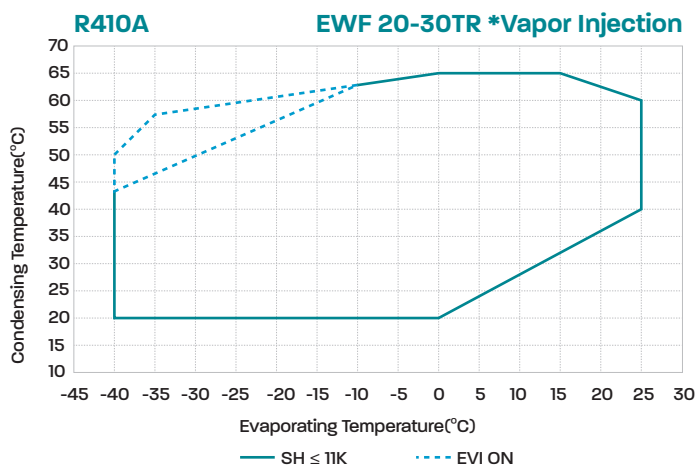
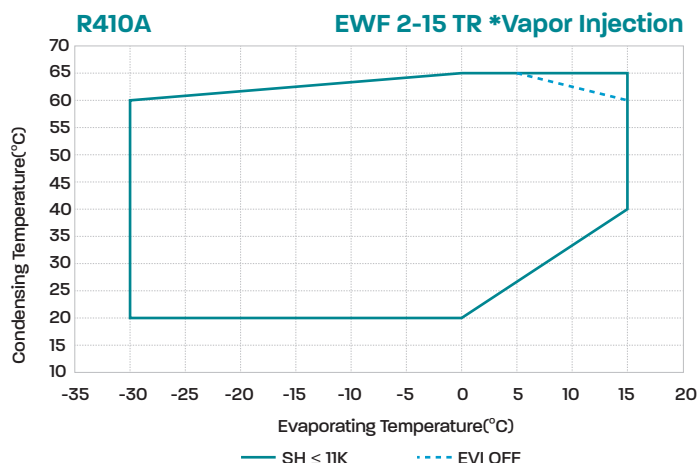
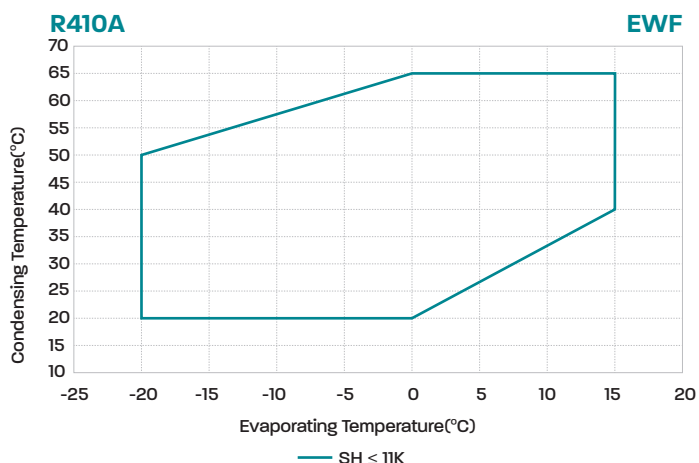
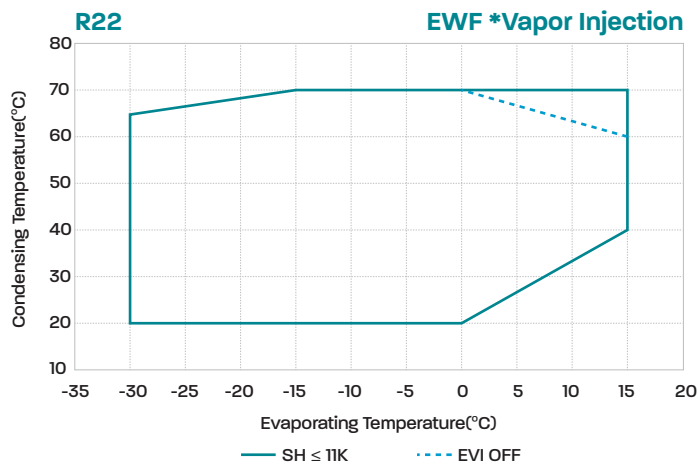
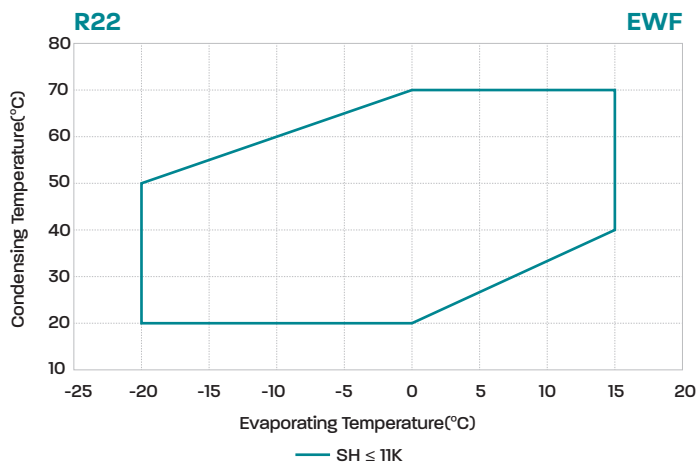
*High Temperatures

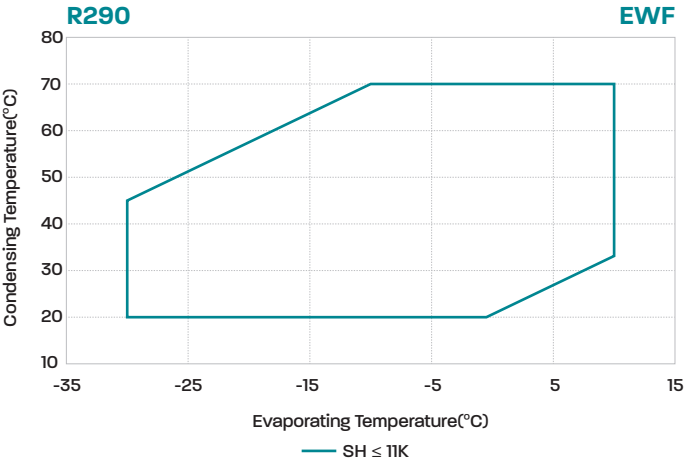
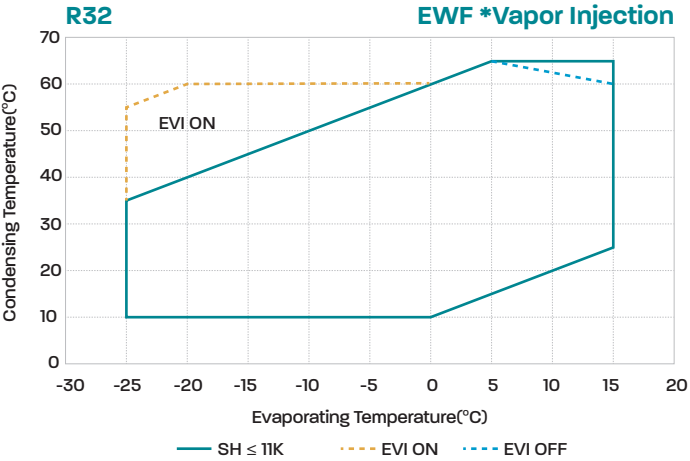
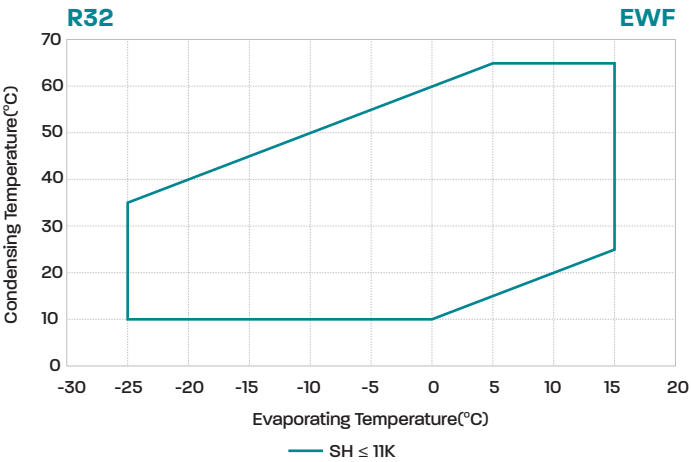
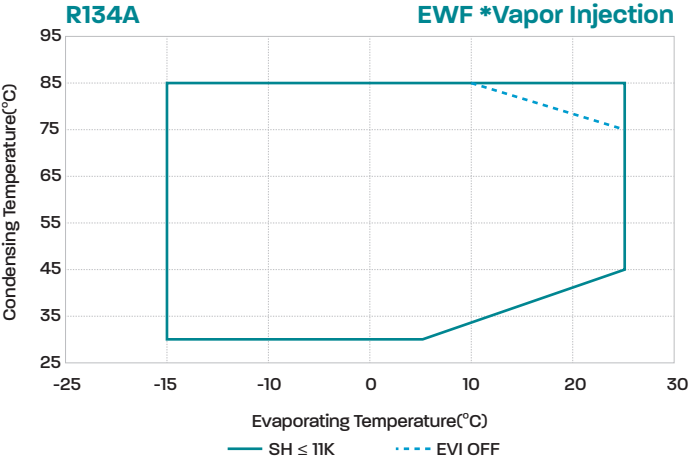
Embraco Model	Nominal TR	Displacement		Capacity		Power	COP	EER	Cross Reference		
-	TR	m³/h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H)/W	C Brand	D Brand	P Brand
EDFI6G-D1	2.0	7.3	34.8	6368	21747	1677	3.80	13.0	/	/	/
EDF22G-D1	3.0	10.0	48.0	8586	29322	2142	4.00	13.7	/	/	/
EDF32G-D1	4.0	14.0	67.2	12351	42180	3085	4.00	13.7	/	/	/
EDF38G-D1	5.0	17.1	82.0	14748	50367	3674	4.00	13.7	/	/	/
EDF49G-D1	6.0	20.6	98.7	17877	61054	4393	4.10	13.9	/	/	/
EDF50G-D1	7.0	22.9	109.5	19518	66659	4929	4.00	13.5	/	/	/
EDF56G-D1	7.5	25.2	120.8	22126	75564	5646	3.90	13.4	/	/	/
EDF58G-D1	8.0	27.1	131.0	24006	81983	6314	3.80	13.0	/	/	/
EDF67G-D1	9.0	30.5	146.0	26657	91038	6947	3.80	13.1	/	/	/
EDF79G-D1	10.0	35.2	168.7	30982	105811	7874	3.90	13.4	/	/	/
EDF91G-D1	12.0	40.3	192.8	35858	122463	9371	3.80	13.1	/	/	/
EDF97G-D1	13.0	43.2	207.0	38300	130801	9902	3.90	13.2	/	/	/
EDFI10G-D1	15.0	48.9	234.4	44123	150688	12032	3.70	12.5	/	/	/
EDFI60G-E1	20.0	69.7	334.0	62799	214471	17149	3.70	12.5	/	/	/
EDFI80G-E1	25.0	79.9	382.6	71999	245890	19649	3.70	12.5	/	/	/
EDF220G-E1	30.0	96.9	464.0	87299	298142	23898	3.70	12.5	/	/	/

Operating Envelope

High Efficient

Scroll Compressor · Selection Guide HP · think ahead

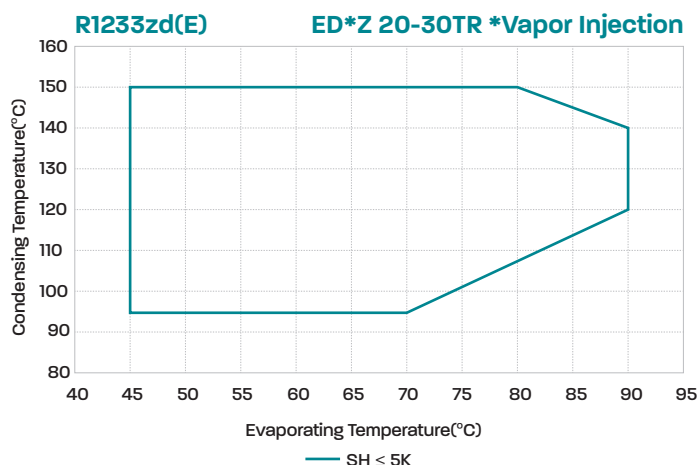
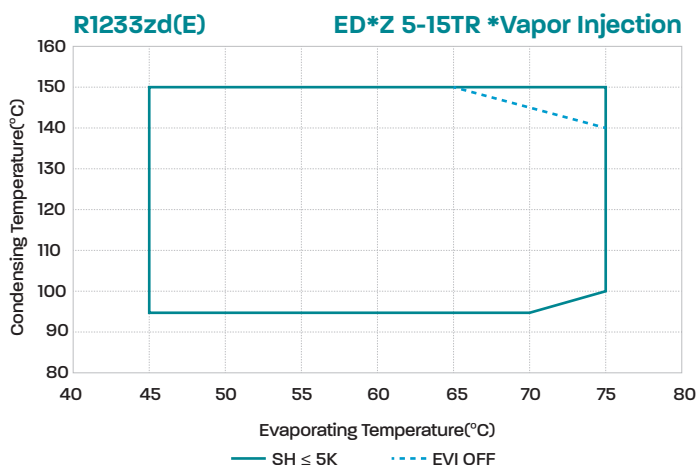
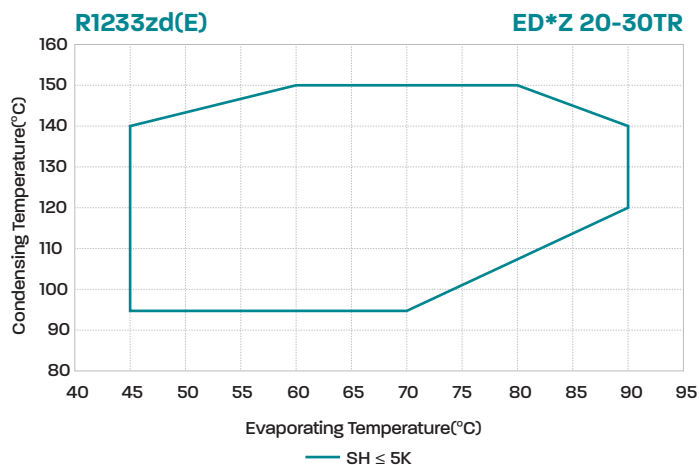
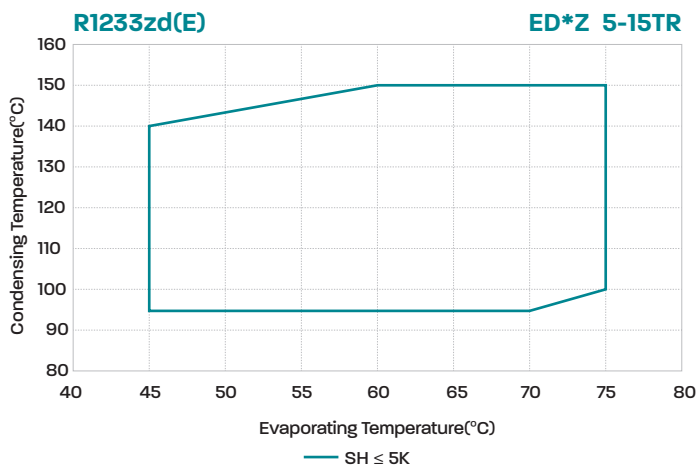


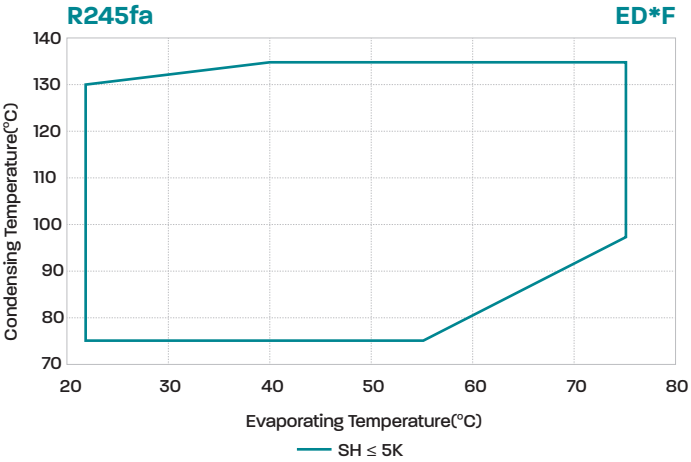
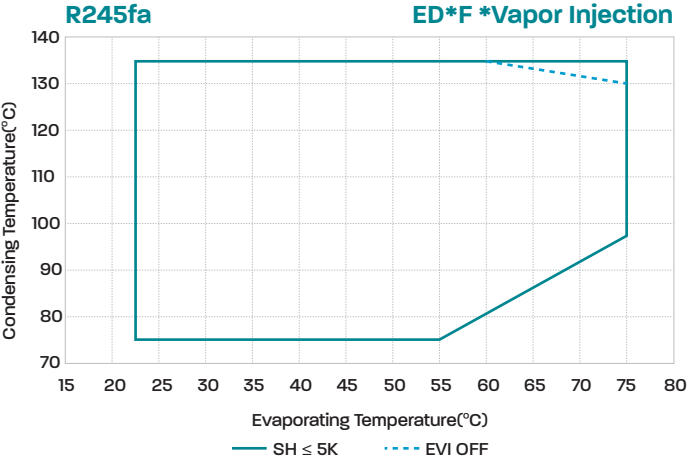
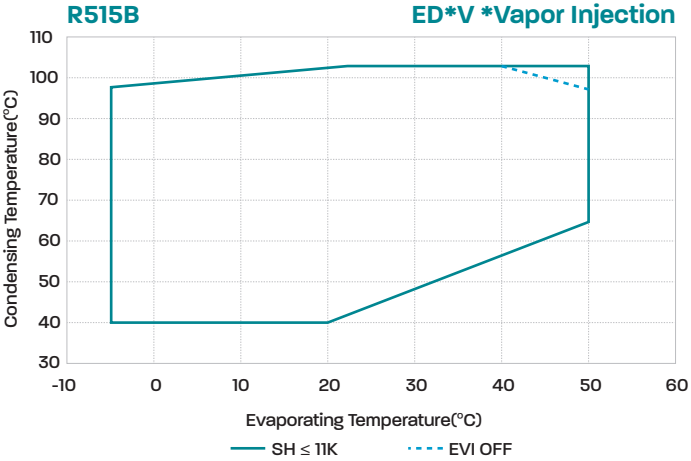
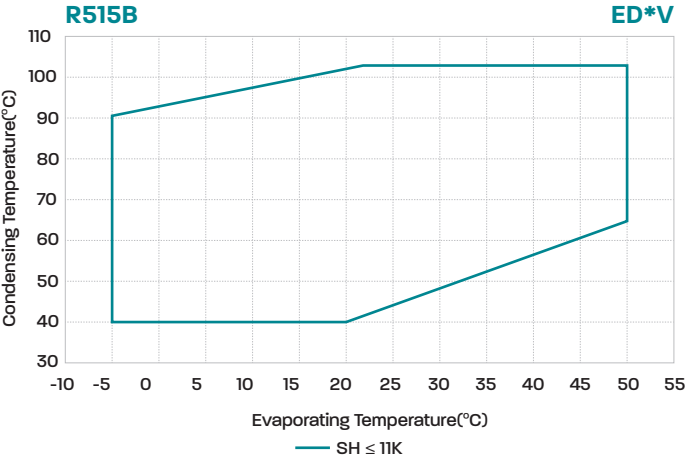
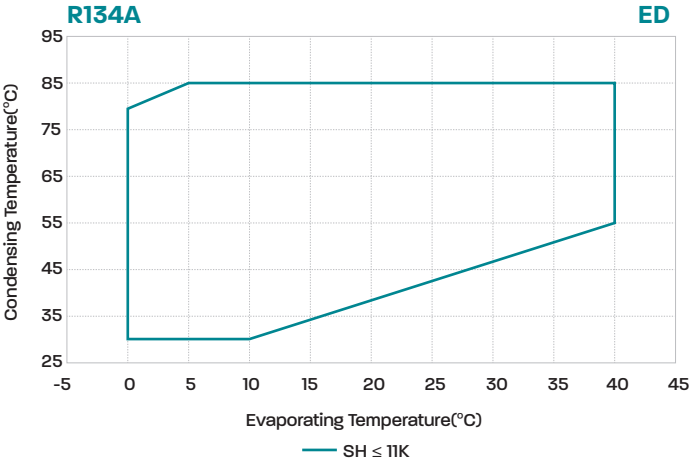


Operating Envelope

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High Temperatures





Available Configuration

Embraco Nomenclature Code	Injection	Connection type			Electrical Box	Optionals			Available Platform
		Discharge & Suction	Injection: Liquid & Vapor	Solenoid Valve (Pulse compressor only)		Sight Glass	Two-Phase Tandem Lines	Schrader Valve	
NAAA	none	brazed	without	without	terminal block IP54	without	without	without	F150 / F163 / F190
NAAD	none	brazed	without	without	terminal block IP54	without	without	with	F238
NAAG	none	brazed	without	without	terminal block IP54	brazed	without	without	F190
NAAH	none	brazed	without	without	terminal block IP54	brazed	brazed	without	F190
NAAJ	none	brazed	without	without	terminal block IP54	brazed	without	with	F238
NAAM	none	brazed	without	without	terminal block IP54	rotalock	without	without	F150 / F163 / F190
NAAO	none	brazed	without	without	terminal block IP54	rotalock	rotalock	without	F190 / F238
NAAP	none	brazed	without	without	terminal block IP54	rotalock	without	with	F238
NAAO	none	brazed	without	without	terminal block IP54	rotalock	rotalock	without	F238
NABA	none	brazed	without	without	terminal block IP21	without	without	without	F150 / F163
NABG	none	brazed	without	without	terminal block IP21	brazed	without	without	F150 / F163
NABH	none	brazed	without	without	terminal block IP21	brazed	brazed	without	F150 / F163
NABM	none	brazed	without	without	terminal block IP21	rotalock	without	without	F150 / F163
NABO	none	brazed	without	without	terminal block IP21	rotalock	rotalock	without	F150 / F163
NACA	none	brazed	without	without	terminal block IP65	without	without	without	F150 / F163 / F190
NACG	none	brazed	without	without	terminal block IP65	brazed	without	without	F150 / F163 / F190
NACM	none	brazed	without	without	terminal block IP65	rotalock	without	without	F150 / F163 / F190
NBAA	none	rotalock	without	without	terminal block IP54	without	without	without	F150 / F163 / F190
NBAD	none	rotalock	without	without	terminal block IP54	without	without	with	F238
NBAM	none	rotalock	without	without	terminal block IP54	rotalock	without	without	F150 / F163 / F190
NBAP	none	rotalock	without	without	terminal block IP54	rotalock	without	with	F238
NBAR	none	rotalock	without	without	terminal block IP54	rotalock	rotalock	with	F238
NBBA	none	rotalock	without	without	terminal block IP21	without	without	without	F150 / F163
NBBM	none	rotalock	without	without	terminal block IP21	rotalock	without	without	F150 / F163
NMAM	none	brazed	without	brazed	terminal block IP54	rotalock	without	without	Pulse
NMBM	none	brazed	without	brazed	terminal block IP21	rotalock	without	without	Pulse
NNAM	none	rotalock	without	brazed	terminal block IP54	rotalock	without	without	Pulse
NNBM	none	rotalock	without	brazed	terminal block IP21	rotalock	without	without	Pulse
VEAA	vapor	brazed	brazed	without	terminal block IP54	without	without	without	F150 / F163 / F190
VEAD	vapor	brazed	brazed	without	terminal block IP54	without	without	with	F238
VEAM	vapor	brazed	brazed	without	terminal block IP54	rotalock	without	without	F150 / F163 / F190
VEAP	vapor	brazed	brazed	without	terminal block IP54	rotalock	without	with	F238
VEBA	vapor	brazed	brazed	without	terminal block IP21	without	without	without	F150 / F163
VEBM	vapor	brazed	brazed	without	terminal block IP21	rotalock	without	without	F150 / F163
VECA	vapor	brazed	brazed	without	terminal block IP65	without	without	without	F150 / F163 / F190
VFAM	vapor	rotalock	brazed	without	terminal block IP54	rotalock	without	without	F150 / F163 / F190
VFAP	vapor	rotalock	brazed	without	terminal block IP54	rotalock	without	with	F238
VFBM	vapor	rotalock	brazed	without	terminal block IP21	rotalock	without	without	F150 / F163
VOAM	vapor	brazed	brazed	brazed	terminal block IP54	rotalock	without	without	Pulse
VOBM	vapor	brazed	brazed	brazed	terminal block IP21	rotalock	without	without	Pulse

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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