

Model / Modelo Modell / Modèle	Power / Potencia Leistung / Puissance hp	Cpr cooling / Enfriamiento Kühlung / Refroidissement	Displacement / Cilindrada Hubraum / Cylindrée cm ³	Refrigerating capacity Capacidad frigorífica Kälteleistung Production frigorifique <i>COP in W/W</i> <i>1 W = 0,864 kcal/h = 3,415 BTU/h</i> Evaporating temp. / Temp. de evaporación Verdampfungstemp. / Temp. d'évaporation °C							Expansion / Expansión Einspritzung / Détante	Oil / Aceite Oel / Huile cm ³	Weight / Peso Gewicht / Poids kg	Motor / Motor Motor / Moteur	Starting / Arranque Anlauf / Démarrage	Design / Diseño Ausstattung Configuration
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LBP																
R600a				CECOMAF (W)					ASHRAE		R600a					
				-35	-30	-25		-10	-23.3							
						W	COP		kcal/h	COP						
220-240V 50Hz ~I																
HD40AA	1/20	S	4.03	31	35	44	0.67	93	50	0.86	C	220	5.2	RSIR	P	Db
HD40AH	1/20	S	4.03	31	35	44	0.76	93	50	0.97	C	220	5.2	RSCR	P	Db
HIGH EFFICIENCY																
HLY45AAa	1/12	S	4.55	23	36	52	0.97	110	60	1.25	C	265	8.7	RSIR	P	Lb
HLY45AAb	1/12	S	4.55	23	36	52	1.02	111	60	1.32	C	265	8.7	RSCR	P	Lb
HLY55AAa	1/9	S	5.46	28	44	62	1.03	129	72	1.33	C	265	8.9	RSIR	P	Lb
HLY55AAb	1/9	S	5.46	28	44	62	1.10	130	72	1.42	C	265	8.9	RSCR	P	Lb
HLY70AAa	1/8	S	6.64	41	59	80	1.08	161	92	1.37	C	265	9.0	RSIR	P	Lb
HLY70AAb	1/8	S	6.64	40	59	81	1.15	163	93	1.46	C	265	9.0	RSCR	P	Lb
HLY75AAa	1/7	S	7.39	47	66	89	1.10	182	102	1.40	C	265	9.2	RSIR	P	Lb
HLY75AAb	1/7	S	7.39	47	66	89	1.16	184	102	1.48	C	265	9.2	RSCR	P	Lb
HLY80AAa	1/7	S	8.10	53	73	99	1.11	200	113	1.41	C	265	9.2	RSIR	P	Lb
HLY80AAb	1/7	S	8.10	53	73	99	1.17	202	113	1.49	C	265	9.2	RSCR	P	Lb
HLY90AAa	1/6	S	9.08	66	84	109	1.11	230	125	1.41	C	345	9.5	RSIR	P	Lc
HLY90AAb	1/6	S	9.08	64	84	111	1.17	233	127	1.49	C	345	9.5	RSCR	P	Lc
HLY99AAa	1/6	S	9.93	68	89	119	1.10	248	136	1.40	C	345	9.6	RSIR	P	Lc
HLY99AAb	1/6	S	9.93	67	89	119	1.16	249	137	1.48	C	345	9.6	RSCR	P	Lc
HPY12AAa	1/5	S	12.10	78	107	144	1.12	300	165	1.43	C	300	10.7	RSIR	P	Pd
HPY12AAb	1/5	S	12.10	78	107	144	1.18	300	165	1.50	C	300	10.7	RSCR	P	Pd
HPY14AAa	1/5	S	14.31	91	124	166	1.13	344	190	1.43	C	300	11.0	RSIR	P	Pd
HPY14AAb	1/5	S	14.31	91	124	166	1.18	344	190	1.50	C	300	11.0	RSCR	P	Pd
HPY16AAa	1/4	S	16.14	101	136	181	1.13	380	208	1.44	C	300	11.2	RSIR	P	Pd
HPY16AAb	1/4	S	16.14	101	136	181	1.19	380	208	1.51	C	300	11.2	RSCR	P	Pd

HMBP																
R600a				CECOMAF (W)					ASHRAE		R600a					
				-25	-15	5		10	7.2							
						W	COP		kcal/h	COP						
220-240V 50Hz ~I																
HD40MB	1/14	S	4.05	40	72	178	1.65	213	182	1.91	C	200	6.0	RSIR	P	Dd
HIGH EFFICIENCY																
HLY55MAa	1/10	S	5.46	47	96	250	2.20	299	255	2.51	C	265	9.4	RSIR	P	Lb
HLY55MAb	1/10	S	5.46	47	96	250	2.32	299	255	2.67	C	265	9.4	RSCR	P	Lb
HLY70MAa	1/8	S	6.65	65	120	307	2.18	369	314	2.50	C	265	8.4	RSIR	P	Lb
HLY70MAb	1/8	S	6.65	65	120	307	2.34	369	314	2.69	C	265	8.4	RSCR	P	Lb

Model / Modelo Modell / Modèle	Power / Potencia Leistung / Puissance hp	Cpr cooling / Enfriamiento Kühlung / Refroidissement	Displacement / Cilindrada Hubraum / Cylindrée cm ³	Refrigerating capacity Capacidad frigorífica Kälteleistung Production frigorifique <i>COP_{in}WW</i> <i>I W = 0,864 kcal/h = 3,415 BTU/h</i>					Expansion / Expansión Einspritzung / Détante		Oil / Aceite Oel / Huile cm ³	Weight / Peso Gewicht / Poids kg	Motor / Motor Motor / Moteur	Starting / Arranque Anlauf / Démarrage	Design / Diseño / Ausattung / Disegno Configuration
				Evaporating temp. / Temp de evaporation Verdampfungstemp. / Temp. d'évaporation °C											

LBP

R290	CECOMAF (W)						ASHRAE		R290					
	-40	-35	-25		-10	-23.3								
			W	COP		kcal/h	COP							

220-240V 50Hz ~I

NL60FB	1/5	F	6.00	79	101	172	0.81	346	200	1.06	C-V	400	10.2	CSIR	R	Lc
NL80FB	1/4	F	8.10	103	134	232	0.85	467	270	1.10	C-V	400	10.9	CSIR	R	Lc
NL90FB	1/3	F	8.85	112	143	248	0.88	514	290	1.14	C-V	400	11.0	CSIR	R	Ld
NPI2FB	3/8	F	12.00	131	181	333	0.91	692	390	1.19	C-V	400	12.0	CSIR	R	Pd
NPI4FB	1/2	F	14.17	155	211	385	0.91	795	450	1.19	C-V	400	13.0	CSIR	R	Pd

HIGH EFFICIENCY

NLY45LAa	1/6	F	4.56	62	85	151	1.04	298	176	1.35	C-V	350	10.3	CSIR	R	Lc
NLY45LAb	1/6	F	4.56	62	85	151	1.11	298	173	1.44	C-V	350	10.3	CSR	R	Lc
NLY60LAa	1/5	F	5.98	85	114	198	1.02	388	230	1.33	C-V	350	10.3	CSIR	R	Lc
NLY60LAb	1/5	F	5.98	85	114	198	1.09	388	230	1.42	C-V	350	10.3	CSR	R	Lc
NLY80LAa	1/4	F	8.10	113	151	263	1.04	524	306	1.35	C-V	400	10.9	CSIR	R	Ld
NLY80LAb	1/4	F	8.10	113	151	263	1.10	524	306	1.36	C-V	400	10.9	CSR	R	Ld
NLY90LAa	1/3	F	9.09	130	177	306	1.05	590	355	1.37	C-V	400	11.1	CSIR	R	Ld
NLY90LAb	1/3	F	9.09	130	177	306	1.11	590	355	1.44	C-V	400	11.1	CSR	R	Ld
NPY12LAa	3/8	F	12.10	174	232	401	1.04	781	465	1.35	C-V	400	12.3	CSIR	R	Pd
NPY12LAb	3/8	F	12.10	174	232	401	1.15	781	465	1.49	C-V	400	12.3	CSR	R	Pd
NPY14LAa	1/2	F	14.32	216	285	483	1.05	926	560	1.35	C-V	360	12.9	CSIR	R	Pd
NPY14LAb	1/2	F	14.32	216	285	483	1.14	926	560	1.48	C-V	360	12.9	CSIR	R	Pd

HMBP

R290	CECOMAF (W)						ASHRAE		R290					
	-25	-15	5		10	7.2								
			W	COP		kcal/h	COP							

220-240V 50Hz ~I

NL40TBa	1/5	F	4.04	121	193	434	1.88	513	445	2.20	C-V	400	9.5	RSIR	R	Lc
NL40TBb	1/5	F	4.04	121	193	434	1.88	513	445	2.20	C	400	9.5	CSIR	P	Lc
NL45TB	1/5	F	4.50	131	210	473	1.88	560	486	2.20	C-V	400	9.5	CSIR	R	Lc
NL60TBa	1/4	F	5.67	168	274	606	2.05	713	620	2.40	C-V	300	9.5	RSIR	R	Lc
NL60TBb	1/4	F	5.67	168	274	606	2.05	713	620	2.40	C	300	9.5	CSIR	P	Lc
NL80TB	3/8	F	7.57	205	358	806	2.05	947	825	2.40	C-V	470	10.0	CSIR	R	Ld
NL90TB	3/8	F	8.85	242	391	921	2.08	1101	950	2.42	C-V	400	10.6	CSIR	R	Ld
NPI2TB	1/2	F	12.00	316	537	1272	2.34	1516	1310	2.72	C-V	400	12.3	CSR	R	Pd
NPI4TB	1/2	F	14.17	400	660	1509	2.29	1789	1550	2.67	C-V	400	13.5	CSR	R	Pd

HIGH EFFICIENCY

NLY45RAa	1/5	F	4.56	148	237	518	2.15	609	530	2.51	C-V	350	10.2	CSIR	R	Lc
NLY45RAb	1/5	F	4.56	148	237	518	2.35	609	530	2.75	C-V	350	10.2	CSR	R	Lc
NLY60RAa	1/4	F	5.98	210	324	703	2.21	829	720	2.58	C-V	400	10.4	CSIR	R	Lc
NLY60RAb	1/4	F	5.98	210	324	703	2.40	829	720	2.79	C-V	400	10.4	CSR	R	Lc
NLY80RAa	3/8	F	8.10	258	410	929	2.22	1103	955	2.60	C-V	400	11.4	CSIR	R	Lc
NLY80RAb	3/8	F	8.10	258	410	929	2.39	1103	955	2.80	C-V	400	11.4	CSR	R	Lc
NLY90RAa	3/8	F	9.09	306	480	1054	2.20	1244	486	2.20	C-V	400	9.5	CSIR	R	Ld
NLY90RAb	3/8	F	9.09	306	480	1054	2.38	1244	1080	2.56	C-V	400	11.4	CSIR	R	Ld

I15-I27V 60Hz ~I

NL60TR	1/4	F	5.68	196	319	721	1.92	853	740	2.24	C-V	300	9.5	CSIR	R	Lc
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R600a: W (A) x 1.05 = kcal/h (B)

R290: W (A) x 1.16 = kcal/h (B)

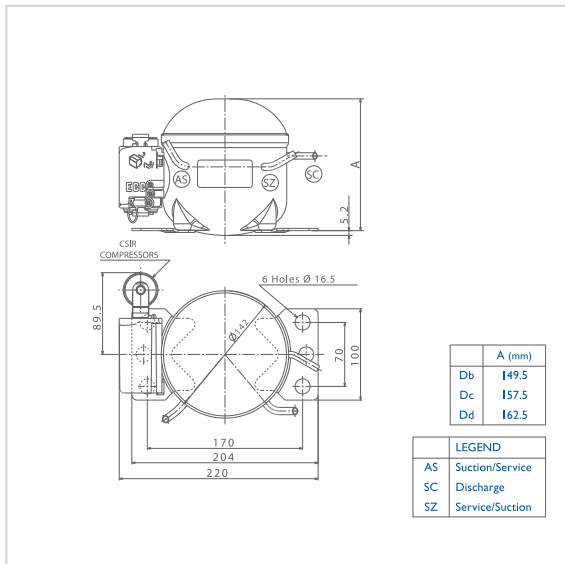
R290: W (C) x 0.98 = kcal/h (D)

W x 0.86 = kcal/h

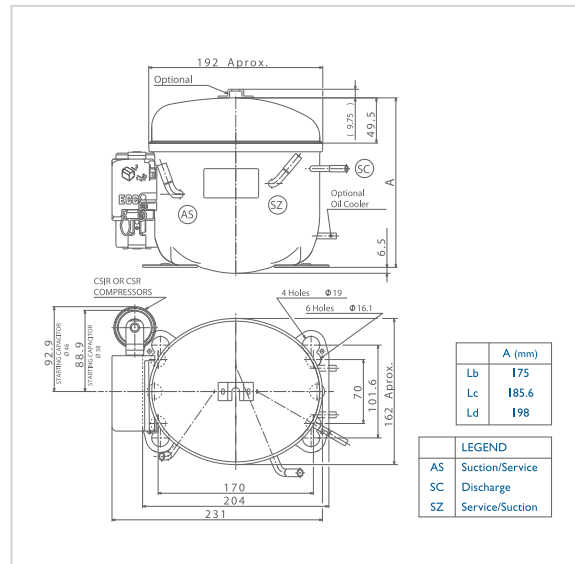
Testing cycle conditions	CECOMAF		ASHRAE	
	LBP (A)	HMBP (C)	LBP (B)	HMBP (D)
Condensing temperature	55		55	55
Liquid temperature	55		32	46
Superheating temperature	32		32	35
Suction temperature	32		32	35
Ambient temperature	32		32	35

F	OC	S	C	V	P	R
Fan cooled	Oil cooler	Static	Capillar y tube	Expansion valve	PTC	Relay
Ventilación forzada	Enfriador de aceite	Estático	Tubo capilar	Válvula de expansión		Relé
Zwangsbelüftung	Ölkühler	Statische Belüftung	Kapillarrohr	Expansionsventil		Relais
Ventilation forcée	Refrigerateur d'huile	Ventilation naturelle	Tube capillaire	Détendeur		Relais

D Range



L Range



P Range

