

R22

2. Compressors Catalogue

R22

HMBP | HBP

50 Hz

MODEL	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY °C								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									5		10	7,2						
									-20	-15		W	COP	kcal/h	COP			
L40TN	4.05	1/6	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	150	195	458	1.70	545	460	1.91	9.5	Lc	
L40TNa	4.05	1/6	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	150	195	458	1.68	545	460	1.91	9.5	Lc	
L40TNb	4.05	1/6	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	150	195	458	1.68	545	460	1.91	9.5	Lc	
L45TN	4.50	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	157	206	497	1.68	593	500	1.91	9.5	Lc	
L45TN	4.50	1/5	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	170	217	516	1.72	619	520	1.95	9.5	Lc	
L57TN	5.68	1/5	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	203	262	626	1.76	748	630	1.98	9.5	Lc	
L57TNa	5.68	1/5	HMBP	F	220-240V 50Hz ~1	RSIR	R	C	194	255	612	1.72	729	615	1.93	9.5	Lc	
L57TNb	5.68	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	194	255	612	1.72	729	615	1.93	9.5	Lc	
L76TN	7.57	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	269	348	816	1.72	971	820	1.95	10.2	Ld	
L76TN	7.57	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	273	348	833	1.80	1000	840	2.04	10.2	Ld	
L88TN	8.86	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	323	416	975	1.74	1161	980	1.97	10.6	Ld	
L88TN	8.86	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	323	416	975	1.75	1161	980	1.97	10.6	Ld	
P10TN	10.18	3/7	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	394	509	1194	2.03	1422	1200	2.31	13.3	Pd	
P12TN	12.05	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	412	537	1312	2.00	1574	1323	2.26	12.3	Pd	
X16TN	16.03	5/8	HBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	565	765	1785	2.04	2094	1782	2.30	16.7	Xd	
X18TN	18.40	3/4	HBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	662	895	2079	2.11	2438	2075	2.40	16.7	Xd	
S18TN	18.10	3/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	555	755	2022	2.16	2454	2050	2.46	21.8	Sc	
S18TN	18.10	3/4	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	555	755	2022	2.09	2454	2050	2.38	21.8	Sc	
S22TN	21.77	7/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	646	890	2460	2.28	3001	2500	2.60	22.7	Sc	
S26TN	25.93	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	857	1183	3027	2.20	3623	3051	2.50	22.7	Sd	

R22

HMBP | HBP

60 Hz

MODEL	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY °C								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									5		10	7,2						
									-20	-15		W	COP	kcal/h	COP			
L40TN	4.05	1/6	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	180	233	550	1.67	654	552	1.89	9.5	Lc	
L45TN	4.50	1/5	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	204	260	619	1.69	742	624	1.91	9.5	Lc	
L57TN	5.68	1/5	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	243	315	751	1.70	898	756	1.91	9.5	Lc	
L76TN	7.57	3/8	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	327	418	1000	1.79	1200	1008	2.02	10.2	Ld	
L76TN	7.57	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	327	418	1000	1.79	1200	1008	2.02	10.2	Ld	
L88TN	8.86	3/8	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	387	499	1170	1.69	1394	1176	1.90	10.6	Ld	
L88TN	8.86	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	387	499	1170	1.69	1394	1176	1.90	10.6	Ld	
P12TN	12.05	1/2	HMBP	F	115V 60Hz ~1	CSR	R	C-V	494	644	1575	1.94	1890	1588	2.20	12.0	Pd	
P12TN	12.05	1/2	HBP	F	115-127V 60Hz ~1	CSR	R	C-V	645	377	1394	1.82	2169	1588	2.20	12.0	Pd	
P12TN	12.05	1/2	HMBP	F	230V 60Hz ~1	CSR	R	C-V	494	644	1575	1.95	1890	1588	2.23	12.3	Pd	
X16TN	16.03	5/8	HBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	668	905	2085	2.00	2437	2078	2.25	16.7	Xd	
X18TN	18.40	3/4	HBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	786	1056	2426	2.12	2840	2420	2.41	16.7	Xd	
S18TN	18.10	3/4	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	666	906	2426	2.01	2945	2460	2.29	21.8	Sc	
S26TN	25.93	1	HMBP	F	230V 60Hz ~1	CSR	R	C-V	1028	1419	3633	2.12	4348	3661	2.36	22.7	Sd	

R22: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal /h

R22

SPECIAL

60 Hz

MODEL	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY °C								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									5		10		7,2					
									-20	-15	W	COP	10	kcal/h	COP			
RL90TE	9.09	3/8	HMBP	F	100/115V 50/60Hz ~1	CSIR	R	C	527	666	1470	1.72	1732	1470	1.93	10.8	Ld	
RL90TG	9.09	3/8	HMBP	F	220-240V 50/60Hz ~1	CSIR	R	C	527	666	1470	1.93	1732	1470	2.16	10.8	Ld	

R22

AC

50 Hz

MODEL	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY °C								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									5		10		7,2					
									-10	-5	W	COP	10	kcal/h	COP			
S19UNa	18.64	7/8	AC	F	220-240V 50Hz ~1	CSR	R	C-V	916	1244	2062	2.17	2552	2110	2.50	20.4	Sc	
S19UNa	18.64	7/8	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	916	1244	2062	1.97	2552	2110	2.28	20.4	Sc	
S19UNb	18.64	7/8	AC	F	220-240V 50Hz ~1	PSC	R	C	916	1244	2062	2.17	2552	2110	2.5	20.4	Sc	
S19UNb	18.64	7/8	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	916	1244	2062	1.97	2552	2110	2.28	20.4	Sc	
S22UNa	21.77	1	AC	F	220-240V 50Hz ~1	CSR	R	C-V	1088	1475	2397	2.06	2932	2440	2.36	20.5	Sc	
S22UNa	21.77	1	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1088	1475	2397	2.11	2932	2440	2.43	20.5	Sc	
S22UNb	21.77	1	AC	F	220-240V 50Hz ~1	PSC	R	C	1088	1475	2397	2.06	2932	2440	2.36	20.5	Sc	
S22UNb	21.77	1	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1088	1475	2397	2.11	2932	2440	2.43	20.5	Sc	
S24UNa	23.95	1 1/8	AC	F	220-240V 50Hz ~1	CSR	R	C-V	1352	1804	2823	2.21	3390	2851	2.53	20.5	Sc	
S24UNa	23.95	1 1/8	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1352	1804	2823	2.03	3390	2851	2.31	20.5	Sc	
S24UNb	23.95	1 1/8	AC	F	220-240V 50Hz ~1	PSC	R	C	1352	1804	2823	2.21	3390	2851	2.53	20.5	Sc	
S24UNb	23.95	1 1/8	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1352	1804	2823	2.03	3390	2851	2.31	20.5	Sc	
S26UNa	26.16	1 1/4	AC	F	220-240V 50Hz ~1	CSR	R	C-V	1551	2005	3128	2.21	3796	3172	2.54	20.5	Sc	
S26UNa	26.16	1 1/4	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1551	2005	3128	2.18	3796	3172	2.49	20.5	Sc	
S26UNb	26.16	1 1/4	AC	F	220-240V 50Hz ~1	PSC	R	C	1551	2005	3128	2.21	3796	3172	2.54	20.5	Sc	
S26UNb	26.16	1 1/4	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1551	2005	3128	2.18	3796	3172	2.49	20.5	Sc	
S30UNa	29.95	1 3/8	AC	F	220-240V 50Hz ~1	CSR	R	C-V	1751	2207	3474	2.20	4284	3546	2.54	22.7	Sd	
S30UNb	29.95	1 3/8	AC	F	220-240V 50Hz ~1	PSC	R	C	1751	2207	3474	2.20	4284	3546	2.54	22.7	Sd	
S33UNa	32.71	1 1/2	AC	F	220-240V 50Hz ~1	CSR	R	C-V	2004	2544	3903	2.12	4721	3951	2.42	22.7	Sd	
S33UNb	32.71	1 1/2	AC	F	220-240V 50Hz ~1	PSC	R	C	2004	2544	3903	2.12	4721	3951	2.42	22.7	Sd	
S34UNa	34.42	1 5/8	AC	F	220-240V 50Hz ~1	CSR	R	C-V	2231	2771	4160	2.15	5009	4201	2.44	22.7	Sd	
S34UNb	34.42	1 5/8	AC	F	220-240V 50Hz ~1	PSC	R	C	2231	2771	4160	2.15	5009	4201	2.44	22.7	Sd	

R22: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal/h

MODEL	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY °C								WEIGHT Kg	DESIGN
									COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C									
									Cecomaf (W)				Ashrae					
									5				7,2					
									-10	-5	W	COP	10	kcal/h	COP			
S19UNa	18.64	7/8	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1099	1493	2475	2.2	3062	2532	2.54	20.4	Sc	
S19UNb	18.64	7/8	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1099	1493	2475	2.2	3062	2532	2.54	20.4	Sc	
S22UNa	21.77	1	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1306	1770	2877	2.11	3518	2929	2.42	20.5	Sc	
S22UNb	21.77	1	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1306	1770	2877	2.11	3518	2929	2.42	20.5	Sc	
S24UNa	23.95	1 1/8	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1623	2165	3387	2.23	4068	3421	2.52	20.5	Sc	
S24UNb	23.95	1 1/8	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1623	2165	3387	2.23	4068	3421	2.52	20.5	Sc	
S26UNa	26.16	1 1/4	AC	F	208-230V 60Hz ~1	CSR	R	C-V	1860	2401	3750	2.16	4557	3805	2.46	20.5	Sc	
S26UNa	26.16	1 1/4	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1862	2407	3753	2.21	4553	3805	2.53	20.5	Sc	
S26UNb	26.16	1 1/4	AC	F	208-230V 60Hz ~1	PSC	R	C	1860	2401	3750	2.16	4557	3805	2.46	20.5	Sc	
S26UNb	26.16	1 1/4	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1862	2407	3753	2.21	4553	3805	2.53	20.5	Sc	

R22: W (C) x 0.94 = kcal/h (D)

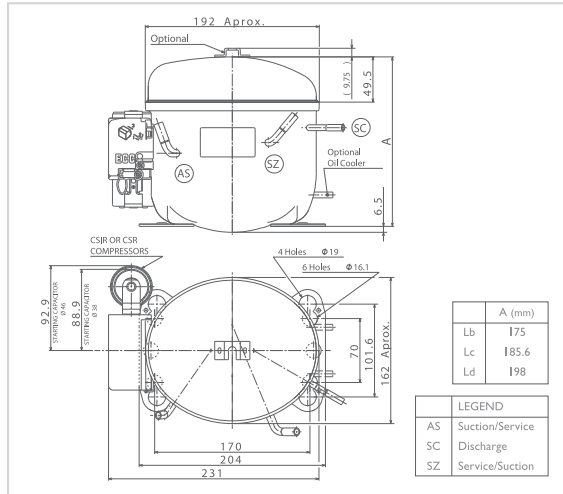
W x 0.86 = kcal / h

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

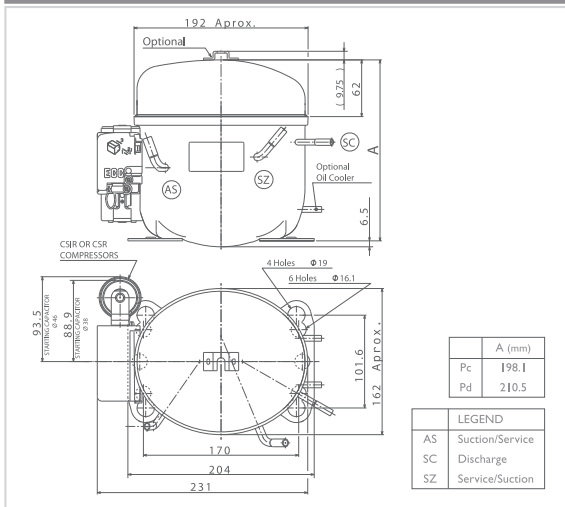
F	OC	S	C	V	P	R
Fan cooled	Oil cooler	Static	Capillar and tube	Expansion valve	PTC	Relay

S compressor's ranges can be provided with tube or valve

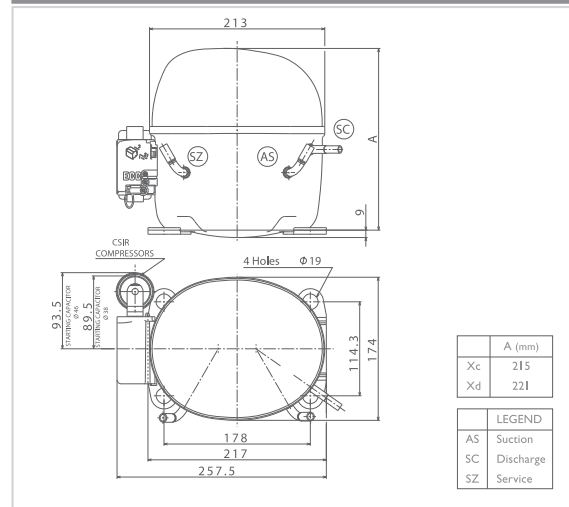
L Range



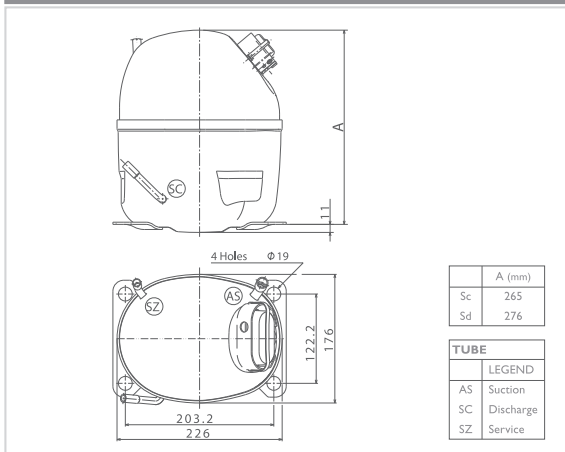
P Range



X Range



S Range (Tube)



S Range (Valve)

