

# R22

2. Compressors Catalogue



## R22

## HMBP | HBP

## 50 Hz

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	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					
									-20	-15	W	COP	10	Kcal/h	COP			
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	
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	
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	
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	
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	
L76TN	7.57	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	269	348	816	1.72	971	820	1.95	10.0	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	10.0	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	
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	17.8	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	17.8	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 <sup>3</sup>	POWER hp	APPLICATION	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					
									-20	-15	W	COP	10	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	10.0	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	2.0	2437	2078	2.25	17.8	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	17.8	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 <sup>3</sup>	POWER hp	APPLICATION	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				
									-20	-15	5		10	7,2			
W	COP	Kcal/h	COP														
RL90TE	9.09	3/8	HMBP	F	100/115V 50/60Hz ~1	CSIR	R	C	527	666	<b>1470</b>	<b>1.72</b>	1732	<b>1470</b>	<b>1.93</b>	10.8	Ld
RL90TG	9.09	3/8	HMBP	F	220-240V 50/60Hz ~1	CSIR	R	C	527	666	<b>1470</b>	<b>1.93</b>	1732	<b>1470</b>	<b>2.16</b>	10.8	Ld

**R22**

**AC**

**50 Hz**

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	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				
									-10	-5	5		10	7,2			
W	COP	Kcal/h	COP														
S22UNa	21.77	1	AC	F	220-240V 50Hz ~1	CSR	R	C-V	1088	1475	<b>2397</b>	<b>2.06</b>	2932	<b>2440</b>	<b>2.36</b>	20.5	Sc
S22UNa	21.77	1	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1088	1475	<b>2397</b>	<b>2.11</b>	2932	<b>2440</b>	<b>2.43</b>	20.5	Sc
S22UNb	21.77	1	AC	F	220-240V 50Hz ~1	PSC	R	C	1088	1475	<b>2397</b>	<b>2.06</b>	2932	<b>2440</b>	<b>2.36</b>	20.5	Sc
S22UNb	21.77	1	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1088	1475	<b>2397</b>	<b>2.11</b>	2932	<b>2440</b>	<b>2.43</b>	20.5	Sc
S26UNa	26.16	1 1/4	AC	F	220-240V 50Hz ~1	CSR	R	C-V	1551	2005	<b>3128</b>	<b>2.21</b>	3796	<b>3172</b>	<b>2.54</b>	20.5	Sc
S26UNa	26.16	1 1/4	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1551	2005	<b>3128</b>	<b>2.18</b>	3796	<b>3172</b>	<b>2.49</b>	20.5	Sc
S26UNb	26.16	1 1/4	AC	F	220-240V 50Hz ~1	PSC	R	C	1551	2005	<b>3128</b>	<b>2.21</b>	3796	<b>3172</b>	<b>2.54</b>	20.5	Sc
S26UNb	26.16	1 1/4	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1551	2005	<b>3128</b>	<b>2.18</b>	3796	<b>3172</b>	<b>2.49</b>	20.5	Sc
S30UNa	29.95	1 3/8	AC	F	220-240V 50Hz ~1	CSR	R	C-V	1751	2207	<b>3474</b>	<b>2.20</b>	4284	<b>3546</b>	<b>2.54</b>	22.7	Sd
S30UNb	29.95	1 3/8	AC	F	220-240V 50Hz ~1	PSC	R	C	1751	2207	<b>3474</b>	<b>2.20</b>	4284	<b>3546</b>	<b>2.54</b>	22.7	Sd
S34UNa	34.42	1 5/8	AC	F	220-240V 50Hz ~1	CSR	R	C-V	2231	2771	<b>4160</b>	<b>2.15</b>	5009	<b>4201</b>	<b>2.44</b>	22.7	Sd
S34UNb	34.42	1 5/8	AC	F	220-240V 50Hz ~1	PSC	R	C	2231	2771	<b>4160</b>	<b>2.15</b>	5009	<b>4201</b>	<b>2.44</b>	22.7	Sd

**R22**

**AC**

**60 Hz**

MODEL	DISPLACEMENT cm <sup>3</sup>	POWER hp	APPLICATION	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				
									-10	-5	5		10	7,2			
W	COP	Kcal/h	COP														
S19UNa	18.64	7/8	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1099	1493	<b>2475</b>	<b>2.2</b>	3062	<b>2532</b>	<b>2.54</b>	20.4	Sc
S19UNb	18.64	7/8	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1099	1493	<b>2475</b>	<b>2.2</b>	3062	<b>2532</b>	<b>2.54</b>	20.4	Sc
S22UNa	21.77	1	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1306	1770	<b>2877</b>	<b>2.11</b>	3518	<b>2929</b>	<b>2.42</b>	20.5	Sc
S22UNb	21.77	1	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1306	1770	<b>2877</b>	<b>2.11</b>	3518	<b>2929</b>	<b>2.42</b>	20.5	Sc
S24UNa	23.95	1 1/8	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1623	2165	<b>3387</b>	<b>2.23</b>	4068	<b>3421</b>	<b>2.52</b>	20.5	Sc
S24UNb	23.95	1 1/8	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1623	2165	<b>3387</b>	<b>2.23</b>	4068	<b>3421</b>	<b>2.52</b>	20.5	Sc
S26UNa	26.16	1 1/4	AC	F	208-230V 60Hz ~1	CSR	R	C-V	1860	2401	<b>3750</b>	<b>2.16</b>	4557	<b>3805</b>	<b>2.46</b>	20.5	Sc
S26UNa	26.16	1 1/4	AC	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	1862	2407	<b>3753</b>	<b>2.21</b>	4553	<b>3805</b>	<b>2.53</b>	20.5	Sc
S26UNb	26.16	1 1/4	AC	F	208-230V 60Hz ~1	PSC	R	C	1860	2401	<b>3750</b>	<b>2.16</b>	4557	<b>3805</b>	<b>2.46</b>	20.5	Sc
S26UNb	26.16	1 1/4	AC	F	200-220/230V 50/60Hz ~1	PSC	R	C	1862	2407	<b>3753</b>	<b>2.21</b>	4553	<b>3805</b>	<b>2.53</b>	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

