



Tecumseh

SILENSYS[®] ADVANCED

A sustainable solution



KEY FEATURES AND BENEFITS

- ▶ Long term
- ▶ Designed for your safety
- ▶ Silent
- ▶ Efficient

▶ Sustainable solution:

- Low GWP solution (R455A/R454C: 148; R1234yf: 4) over the F-Gas requirements for fixed refrigeration systems
- COP complies with the requirements of the Ecodesign directive

▶ Security by design:

- Complies with the requirements of tomorrow
- Prevent leakage risks
- Unitary testing on the assembly line

▶ Silent and plug and play:

- Superior acoustic performance
- Improved accessibility



▶ Techno-economic choices:

- Technical solution tailored to the 1-15kW capacity range
- Efficiency of the direct expansion
- Simplicity of the refrigerating system

APPLICATIONS

Cold rooms and display cases.

Fermentation rooms, reach-ins, wine cellars, ice machines.



REFRIGERANTS

R1234yf

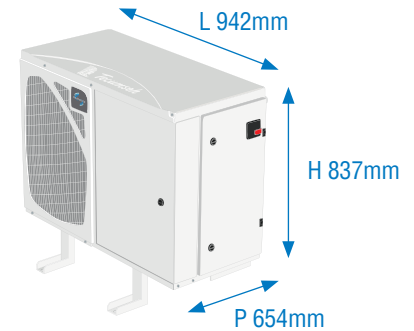
R455A/
R454C





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RANGE

R455A

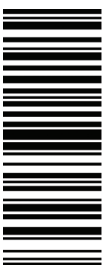
MODEL NUMBER	VOLTAGE	COOLING CAPACITY 32° amb., 10K superheating, 3K sub-cooling, Mid/Mid Evaporation temperature:								COOLING CAPACITY EN13215 To -10°C		I Max (Amp)	Fan flow rate (m³/h)	Vol. Rec. (L)	PIPE DIAMETER		Weight
		-20°	-15°	-10°	-5°	0°	5°	15°	Perf. (W)	COP (W/W)	Aspi.				Liq. dep.		
SILAJ4480P-FZ	220 - 240V 1~ 50 Hz	685	904	1158	1452	1786	2166	3074	1005	1,62	6,98	1100	1,5	12,7 (1/2")	6,35 (1/4")	66	
SILAJ4480P-TZ	400V 3~ 50Hz	713	927	1180	1477	1820	2215	3176	1029	1,63	3,58	1100	1,5	12,7 (1/2")	6,35 (1/4")	66	
SILAJ4510P-FZ	220 - 240V 1~ 50 Hz	799	1055	1351	1692	2080	2519	3566	1176	1,64	8,58	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4510P-TZ	400V 3~ 50Hz	876	1126	1418	1757	2147	2590	3662	1252	1,60	4,58	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4513P-FZ	220 - 240V 1~ 50 Hz	1048	1384	1774	2224	2737	3318	4712	1541	1,72	10,18	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4513P-TZ	400V 3~ 50Hz	1038	1363	1743	2183	2689	3266	4658	1516	1,70	4,58	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4517P-FZ	220 - 240V 1~ 50 Hz	1135	1508	1932	2412	2954	3561	5002	1683	1,68	11,28	1100	2,35	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4517P-TZ	400V 3~ 50Hz	1238	1624	2068	2576	3153	3805	5355	1801	1,72	4,58	1100	2,35	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4519P-FZ	220 - 240V 1~ 50 Hz	1500	1945	2455	3036	3692	4426	6151	2163	1,74	16,58	1100	2,35	12,7 (1/2")	9,52 (3/8")	72	
SILAJ4519P-TZ	400V 3~ 50Hz	1593	2047	2565	3153	3815	4556	6299	2277	1,68	6,38	1100	2,35	12,7 (1/2")	9,52 (3/8")	72	

R454C

MODEL NUMBER	VOLTAGE	COOLING CAPACITY 32° amb., 10K superheating, 3K sub-cooling, Mid/Mid Evaporation temperature:								COOLING CAPACITY EN13215 To -10°C		I Max (Amp)	Fan flow rate (m³/h)	Vol. Rec. (L)	PIPE DIAMETER		Weight
		-20°	-15°	-10°	-5°	0°	5°	15°	Perf. (W)	COP (W/W)	Aspi.				Liq. dep.		
SILAJ4480P-FZ	220 - 240V 1~ 50 Hz	581	767	985	1237	1526	1856	2653	926	1,61	6,98	1100	1,5	12,7 (1/2")	6,35 (1/4")	66	
SILAJ4480P-TZ	400V 3~ 50Hz	615	805	1025	1280	1574	1910	2727	968	1,65	3,58	1100	1,5	12,7 (1/2")	6,35 (1/4")	66	
SILAJ4510P-FZ	220 - 240V 1~ 50 Hz	683	909	1174	1480	1830	2229	3184	1103	1,65	8,58	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4510P-TZ	400V 3~ 50Hz	756	978	1233	1526	1861	2241	3160	1174	1,61	4,58	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4513P-FZ	220 - 240V 1~ 50 Hz	902	1214	1579	2001	2484	3032	4342	1477	1,76	10,18	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4513P-TZ	400V 3~ 50Hz	900	1188	1520	1902	2337	2832	4026	1434	1,73	4,58	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4517P-FZ	220 - 240V 1~ 50 Hz	1041	1386	1779	2225	2730	3296	4642	1680	1,79	11,28	1100	2,35	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4517P-TZ	400V 3~ 50Hz	1038	1367	1739	2159	2633	3166	4444	1650	1,69	4,58	1100	2,35	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4519P-FZ	220 - 240V 1~ 50 Hz	1394	1811	2288	2829	3438	4119	5713	2179	1,81	16,58	1100	2,35	12,7 (1/2")	9,52 (3/8")	72	
SILAJ4519P-TZ	400V 3~ 50Hz	1379	1782	2237	2749	3323	3964	5476	2138	1,71	6,38	1100	2,35	12,7 (1/2")	9,52 (3/8")	72	

R1234yf

MODEL NUMBER	VOLTAGE	COOLING CAPACITY 32° amb., 10K superheating, 3K sub-cooling, Mid/Mid Evaporation temperature:								COOLING CAPACITY EN13215 To -10°C		I Max (Amp)	Fan flow rate (m³/h)	Vol. Rec. (L)	PIPE DIAMETER		Weight
		-25°	-15°	-10°	-5°	0°	5°	15°	Perf. (W)	COP (W/W)	Aspi.				Liq. dep.		
SILAJ4461N-TZ	400V 3~ 50Hz	345	629	812	1024	1271	1553	2235	899	1,73	2,48	1100	0,75	12,7 (1/2")	6,35 (1/4")	65	
SILAJ4476N-FZ	220 - 240V 1~ 50 Hz	402	733	943	1186	1466	1784	2545	1046	1,73	6,98	1100	0,75	12,7 (1/2")	6,35 (1/4")	65	
SILAJ4492N-FZ	220 - 240V 1~ 50 Hz	474	911	1174	1468	1799	2166	3021	1305	1,79	9,08	1100	1,5	12,7 (1/2")	9,52 (3/8")	70	
SILAJ4492N-TZ	400V 3~ 50Hz	472	907	1173	1473	1810	2184	3048	1304	1,96	3,68	1100	1,5	12,7 (1/2")	9,52 (3/8")	70	
SILAJ4511N-FZ	220 - 240V 1~ 50 Hz	677	1187	1505	1865	2268	2713	3738	1673	2,03	9,08	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4511N-TZ	400V 3~ 50Hz	589	1143	1489	1887	2339	2851	4070	1655	2,11	4,38	1100	1,5	12,7 (1/2")	9,52 (3/8")	71	
SILAJ4513N-FZ	220 - 240V 1~ 50 Hz	719	1260	1597	1983	2420	2908	4043	1771	2,05	10,88	1100	1,5	12,7 (1/2")	9,52 (3/8")	72	



NWD0212

Preliminary data. In a constant effort to improve, Tecumseh reserves the right to change the data contained in this document without prior notice.