

Cooling for a better tomorrow

MALAYSIA

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www.tecumseh.com





Product Catalogue





Built for Today. Ready for Tomorrow.



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Introduction

Simple Design Values in Mind

The Tecumseh Packaged Condensing Unit is designed with both reciprocating and scroll compressor technology with wide range offer. The new PAC³ is best in sustainability, flexibility and serviceability.

Features



Compact

Designed and optimized for space constrained landscapes.



Wide Offering

Capacity and application range extended to fit extensive demands.



Practical

Design suited for customer application demand.

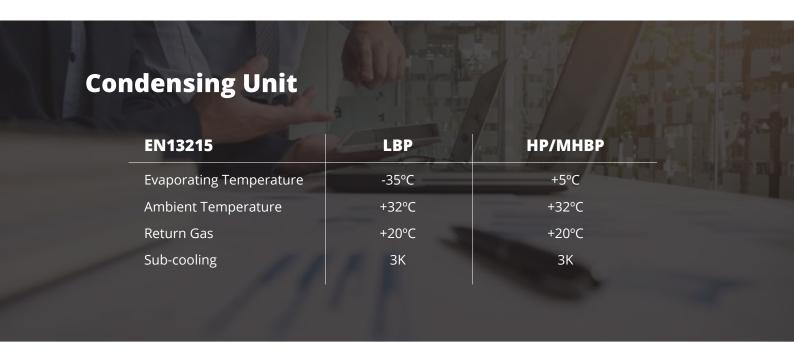


Eco-friendly

Applicable with mid GWP compliance in accordance to the Montreal Protocol.

Nomenclature

PAC	4	5	46	Z	3
Family PACS = Single Phase PAC = Three Phase	Application 2 = Low Back Pressure 4 = High Back Pressure 9 = M/H Back Pressure	Capacity Number of digits of cooling capacity	Capacity First two digits in Rating Point Capacity @ 60Hz (46,000 Btu/h)	Refrigerant Z = R-404A, R-452A, R-448A, R-449A Y = R-134A R-513A	Version





Performance Data (Reciprocating Technology)

Low Temperature Application

Model	Platform	НР	Ambient Temp. (°C)	Eva	porating 1	city (W) Femperatu (° C)	ıre		Amb. Temp. 32 Evap. Temp25	°C °C	(Current (A)	
			(C)	- 40	- 35	- 30	- 25	- 20	Power Input (W)	COP (W/W)	RLA	MCC	LRA
			32	518	712	936	1192	1483					
PACS2446Z &	MINI	1.2	35	484	669	883	1127	1402	867	1.37	1Ф=4.3	1Ф=8.5	1Ф=30.0
PAC2446Z			38	449	627	830	1061	1320		1.37	3Ф=1.8	3Ф=3.2	3Ф=13.7
			43	393	557	743	952	1185					
			32	706	957	1251	1587	1962					
PACS2464Z	MINI	1.6	35	656	898	1179	1499	1857	1145	1.39	1Ф=6.0	1Ф=10.3	1Ф=40.0
& PAC2464Z	IVIIINI	1.0	38	607	839	1107	1412	1752	1145	1.39	3Ф=2.5	3Ф=4.1	3Ф=16.1
			43	526	740	987	1267	1578					
			32	906	1311	1763	2262	2807					
PACS2495Z	G. 4.4.1.1		35	822	1217	1655	2137	2660			1Ф=7.7	1Ф=16.5	1Ф=69.0
& PAC2495Z	SMALL	2.0	38	737	1122	1546	2010	2512	1707	1.33	3Ф=3.3	3Ф=6.9	3Ф=24.0
			43	592	961	1362	1795	2261					
			32	1163	1683	2276	2942	3680					
PACS2511Z	CAAALI	2.0	35	1047	1554	2129	2773	3485	2240	1 21	1Ф=13.2	1Ф=26.0	1Ф=83.0
& PAC2511Z	SMALL	2.8	38	931	1424	1981	2603	3289	2248	1.31	3Ф=4.7	3Ф=8.0	3Ф=29.0
			43	737	1207	1733	2318	2961					
			32	1121	1726	2425	3209	4065					
			35	988	1568	2238	2987	3806					
PAC2513Z	MEDIUM	3.3	38	857	1414	2054	2769	3550	2489	1.29	5.0	9.3	43.0
			43	646	1164	1755	2415	3134					
			32	1477	2225	3100	4091	5179					
			35	1309	2022	2855	3798	4835					
PAC2516Z	MEDIUM	4.0	38	1143	1822	2613	3507	4493	2646	1.55	5.6	10.3	43.0
			43	875	1497	2217	3031	3931					
			32	2111	2991	4010	5160	6427					
			35	1914	2756	3745	4850	6067					
PAC2522Z	MEDIUM	5.5	38	1720	2541	3484	4543	5710	3298	1.56	6.5	14.2	57.0
			43	1402	2176	3056	4040	5126					
			32	2310	3276	4362	5557	6845					
			35	2095	3034	4084	5237	6478					
PAC2525Z	MEDIUM	6.3	38	1746	2637	3627	4708	5872	3731	1.49	7.1	14.1	57.0
			43	1541	2404	3356	4395	5511					

^{*} RLA: Rated Load Ampere MCC: Maximum Continuous Current LRA: Lock Rotor Ampere

Performance Data (Reciprocating Technology)

High Temperature Application

Model	Platform	НР	Ambient Temp.	Eva	aporatin	acity (W) g Tempe (°C)			Amb. Temp. 32 Evap. Temp			Current (A))
			(°C)	-15	- 10	- 5	0	5	Power Input (W)	COP (W/W)	RLA	мсс	LRA
			32	859	1039	1241	1466	1716					
PACS4460Z	MINI	0.5	35	818	989	1181	1395	1631	592	2.10	4.9	6.5	20.2
1 AC344002	IVIIIVI	0.5	38	776	939	1121	1322	1544	332	2.10	7.5	0.5	20.2
			43	704	854	1019	1200	1399					
			32	1146	1401	1684	1994	2328					
PACS9480Z	MINI	0.7	35	1086	1332	1603	1900	2220	784	2.15	1Ф=4.6	1Ф=7.0	1Ф=23.0
& PAC9480Z	IVIIIVI	0.7	38	1026	1262	1522	1806	2111	764	2.15	3Ф=2.1	3Ф=3.7	3Ф=13.3
			43	926	1146	1387	1649	1931					
			32	1400	1694	2019	2376	2764					
PACS9510Z			35	1321	1602	1910	2248	2613		0.05	1Ф=5.7	1Ф=8.7	1Ф=30.0
& PAC9510Z	MINI	0.8	38	1242	1509	1801	2119	2462	979	2.06	3Ф=2.4	3Ф=4.1	3Ф=14.8
			43	1109	1353	1618	1903	2210					
			32	1674	2072	2506	2972	3467					
PACS9513Z	MAINI		35	1561	1941	2352	2792	3259	4006	2.24	1Ф=7.0	1Ф=11.6	1Ф=33.0
& PAC9513Z	MINI	1.1	38	1447	1809	2199	2614	3051	1086	2.31	3Ф=3.1		3Ф=17.0
			43	1257	1590	1944	2317	2706					
			32	1873	2292	2740	3217	3723					
PACS4517Z			35	1765	2167	2594	3046	3525			1Ф=8.1	1Ф=13.5	1Ф=39.0
& PAC4517Z	SMALL	1.4	38	1657	2042	2448	2875	3326	1343	2.04	3Ф=3.8		3Ф=19.0
			43	1476	1832	2203	2590	2995					
			32	2349	2829	3339	3881	4458					
PACS4519Z			35	2225	2684	3169	3681	4227			1Ф=10.5	1Ф=16.0	1Ф=46.0
& PAC4519Z	SMALL	1.6	38	2099	2537	2997	3481	3995	1747	1.91	3Ф=4.8	3Ф=6.5	3Ф=23.0
			43	1886	2291	2709	3146	3610					
			32	2723	3405	4144	4932	5763					
PACS4524Z			35	2540	3197	3904	4656	5447			1m-11 9	1Ф=20.7	1m-52 0
& PAC4524Z	SMALL	2.0	38	2355	2985	3662	4378	5128	2036	2.04		3Ф=8.8	
			43	2038	2627	3251	3908	4594					
			32	3541	4333	5185	6094	7062					
PACS4531Z			35	3325	4091	4909	5779	6701			1ф=15 2	1Ф=27.1	1ტ=69 0
& PAC4531Z	SMALL	2.6	38	3108	3848	4632	5461	6339	2495	2.08		3Ф=9.3	
			43	2744	3439	4168	4932	5735					



Performance Data (Reciprocating Technology)

High Temperature Application

Model	Platform	НР	Ambient Temp.	Eva	porating ⁻	city (W) Femperatu (° C)	ıre		Amb. Temp. 32 Evap. Temp5	°C °C	(Current (A)	
			(°C)	-15	- 10	- 5	0	5	Power Input (W)	COP (W/W)	RLA	MCC	LRA
			32	4645	5627	6654	7715	8799					
PACS4538Z &	MEDIUM	3.3	35	4390	5337	6321	7332	8365	3324	2.00	1Ф=20.6	1Ф=28.2	1Ф=89.2
PAC4539Z	MEDIOW	3.3	38	4132	5044	5985	6949	7930	3324	2.00	3Ф=8.7	3Ф=10.4	3Ф=45.2
			43	3698	4553	5424	6308	7207					
			32	4900	6158	7527	8991	10530					
PAC4546Z	MEDIUM	3.8	35	4541	5745	7052	8445	9910	3501	2.15	9.6	15.6	48.0
FAC43402	MEDIOM	3.0	38	4187	5337	6581	7905	9295	3301	2.13	9.0	13.0	40.0
			43	3609	4670	5809	7017	8284					
			32	5771	7206	8769	10442	12206					
PAC4553Z	MEDILIM	4.4	35	5389	6767	8261	9857	11538	3050	2.22	10.5	16.3	52.0
PAC4553Z	MEDIUM	4.4	38	5007	6329	7757	9277	10876	3950	2.22	10.5	16.3	52.0
			43	4372	5606	6924	8321	9785					
			32	6327	7773	9325	10968	12688					
PAC4561Z	LARGE	5.1	35	5915	7307	8794	10363	12007	4447	2.10	11.8	17.6	56.0
17C+3012	LANGE	3.1	38	5502	6841	8264	9763	11332	7-7-7	2.10	11.0	17.0	30.0
			43	4809	6065	7386	8770	10219					
			32	7646	9352	11206	13197	15316					
PAC4568Z	LARGE	5.7	35	7197	8846	10631	12542	14575	4922	2.28	12.9	20.1	62.0
FAC43062	LANGL	3.7	38	6747	8340	10055	11887	13834	4922	2.20	12.9	20.1	02.0
			43	5997	7495	9094	10795	12602					
			32	8167	9912	11788	13776	15857					
DAC45727	LARGE	6.1	35	7688	9359	11148	13037	15012	5522	2.12	140	21.2	62.0
PAC4573Z	LARGE	6.1	38	7206	8803	10503	12295	14165	5532	2.13	14.0	21.3	62.0
			43	6397	7869	9424	11053	12752					
			32	9192	11208	13351	15589	17888					
DAC45017	LADCE	6.0	35	8681	10621	12670	14804	16993	6240	214	15.2	22.1	90.0
PAC4581Z	LARGE	6.8	38	8167	10030	11987	14018	16099	6240	2.14	15.3	23.1	89.0
			43	7305	9042	10848	12712	14619					

^{*} RLA: Rated Load Ampere MCC: Maximum Continuous Current LRA: Lock Rotor Ampere

Performance Data (Scroll Technology)

High Temperature Application

Model	Platform	НР	Ambient Temp.	Eva	aporatin	acity (W) g Tempe (°C)			Amb. Temp. 32 Evap. Temp		(Current (A)	
			(°C)	-15	- 10	- 5	0	5	Power Input (W)	COP (W/W)	RLA	мсс	LRA
			32	4378	5173	6027	6935	7887					
PACS4536Z &	MEDILIM	2.0	35	4187	4946	5759	6622	7526	2204	2.53	1Ф=12.7	1Ф=19.0	1Ф=76.0
PAC4536Z	MEDIUM	3.0	38	3986	4709	5481	6298	7154	2384	2.55	3Ф=5.1	3Ф=6.9	3Ф=45.0
			43	3629	4291	4993	5734	6510					
			32	6500	7692	9006	10440	11995					
DA 645407			35	6219	7354	8605	9971	11452	2504	2.54	7.0	40.0	60.0
PAC4548Z	MEDIUM	4.0	38	5930	7008	8195	9493	10903	3584	2.51	7.0	10.3	60.0
			43	5432	6414	7497	8682	9975					
			32	7914	9351	10923	12623	14448					
			35	7582	8957	10459	12085	13831				40.0	
PAC4560Z	LARGE	5.0	38	7230	8540	9971	11520	13186	4172	2.62	8.0	12.2	60.0
			43	6599	7797	9104	10520	12048					
			32	9153	10786	12552	14438	16433					
			35	8755	10320	12017	13832	15758					
PAC4572Z	LARGE	6.0	38	8330	9825	11448	13189	15043	5353	2.34	9.4	14.3	65.0
			43	7561	8930	10423	12036	-					
			32	10035	11962	14079	16364	18791					
			35	9634	11477	13494	15666	17972					
PAC4584Z	LARGE	7.0	38	9240	11005	12933	15008	17213	6060	2.32	10.0	17.1	85.0
			43	8598	10249	12051	13999	16089					
			32	10973	13177	15584	18104	20759					
	EXTRA		35	10433	12529	14799	17217	19748					
PAC4596Z	LARGE	8.0	38	9892	11881	14035	16331	18739	6696	2.32	12.1	18.4	117.0
			43	8988	10799	12760	14856	-					
			32	12970	15504	18156	20921	23835					
	EXTRA		35	12360	14776	17301	19934	22719					
PAC4611Z	LARGE	9.0	38	11749	14046	16444	18947	21604	8251	2.20	13.6	21.0	114.0
			43	10723	12823	15010	17299	19748					
			32	14964	17755	20558	23382	26328					
	EXTRA		35	14269	16932	19604	22302	25142					
PAC4612Z	LARGE	10.0	38	13574	16108	18648	21222	23959	9933	2.07	15.5	23.6	121.0
			43	12411	14732	17056	19428	22000					

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Specification



Model	НР	Platform	Oil Type	Fan		Liquid Receiver	Diamet Connectio		Dim	ension (mm)		Weight (kg)
				Size	Input		Suction	Liquid	Width	Depth	Height	
PACS2446Z & PAC2446Z	1.2	MINI		1 x 350mm	129W	2.35L	15.9 (5/8")	9.5 (3/8")			532	57
PACS2464Z & PAC2464Z	1.6	IVIIINI		1 x 350mm	129W	2.35L	15.9 (5/8")	9.5 (3/8")			552	58
PACS2495Z & PAC2495Z	2.0	CAAALI	DOE	1 x 450mm	250W	3.9L	15.9 (5/8")	9.5 (3/8")	013	416	620	78
PACS2511Z & PAC2511Z	2.8	SMALL	POE	1 x 450mm	250W	3.9L	15.9 (5/8")	9.5 (3/8")	913	416	638	78
PAC2513Z	3.3			1 x			22.2	12.7				96
PAC2516Z	4.0	MEDIUM		500mm	380W	3.9L	(7/8")	(1/2")			792	97
PAC2522Z	5.5	INIEDIONI		1 x	20014/	2.01	22.2	12.7				99
PAC2525Z	6.3			500mm	380W	3.9L	(7/8")	(1/2")				99

Model	НР	Platform	Oil Type	Fan		Liquid Receiver	Diamet Connection		Dim	ension (mm		Weight (kg)
				Size	Input		Suction	Liquid	Width	Depth	Height	
PACS4536Z & PAC4536Z	3.0	MEDIUM		1 x 500mm	380W	3.9L	22.2 (7/8")	12.7 (1/2")			792	82
PAC4548Z	4.0											83
PAC4560Z	5.0											110
PAC4572Z	6.0	LARGE	POE	2 x 450mm	2 x 250W	9.5L	22.2 (7/8")	12.7 (1/2")	913	416	1149	112
PAC4584Z	7.0											119
PAC4596Z	8.0											140
PAC4611Z	9.0	EXTRA LARGE		2 x 500mm	2 x 380W	9.5L	28.6 (1-1/8")	12.7 (1/2")			1271	140
PAC4612Z	10.0											141

Model	НР	Platform	Oil Type	Fan		Liquid Receiver	Diamet Connectio	er of n (mm)	Dim	ension (mm		Weight (kg)
				Size	Input		Suction	Liquid	Width	Depth	Height	
PACS4460Z	0.5											49
PACS9480Z & PAC9480Z	0.7											57
PACS9510Z & PAC9510Z	0.8	MINI		1 x 350mm	129W	2.35L	15.9 (5/8")	9.5 (3/8")			532	58
PACS9513Z & PAC9513Z	1.1											58
PACS4517Z & PAC4517Z	1.4											63
PACS4519Z & PAC4519Z	1.6	CAAALI		1 x			15.9	9.5				63
PACS4524Z & PAC4524Z	2.0	SMALL	POE	450mm	250W	3.9L	(5/8")	(3/8")	913	416	633	80
PACS4531Z & PAC4531Z	2.6					3.72						81
PACS4538Z & PAC4539Z	3.3			1 x			22.2	12.7				89
PAC4546Z	3.8	MEDIUM		500mm	380W		(7/8")	(1/2")			792	96
PAC4553Z	4.4											98
PAC4561Z	5.0											125
PAC4568Z	5.7	LADCE		2 x	2 x	0.51	22.2	12.7			1140	126
PAC4573Z	6.0	LARGE		450mm	250W	9.5L	(7/8")	(1/2")			1149	127
PAC4581Z	6.8											127

Standard Accessories



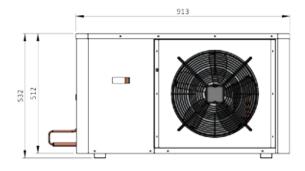


Optional Accessories



Drawing

PAC³ Mini



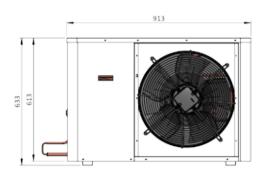


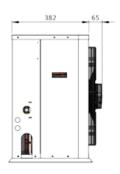


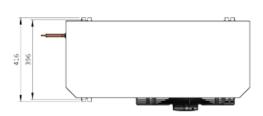


Drawing

PAC³ Small

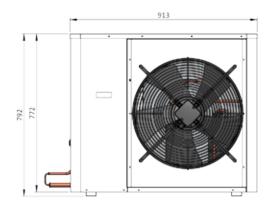


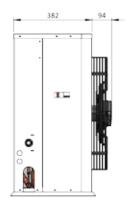




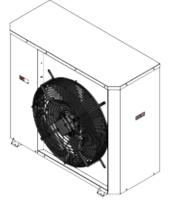


PAC³ Medium



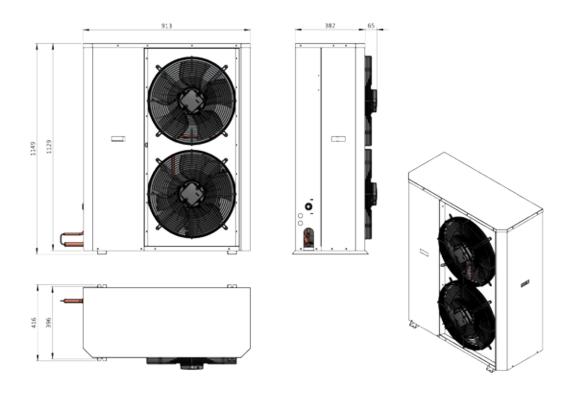




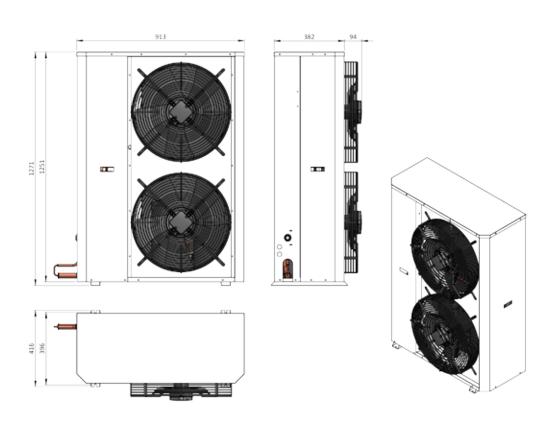




PAC³ Large



PAC³ Extra Large



Packaging

Unit Packaging		Dimension (mm)	
	Length	Width	Height
Mini			810
Small			005
Medium	1120	552	995
Large			1450
Extra Large			1730





Notes

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