Panasonic
BUSINESS

PRODUCT BROCHURE

ISO Accerditation (Management System)

QMS	EMS	ISMS	OHSAS
ISO 9001:2008	ISO 14001:2004	ISO/IEC 27001:2005	OHSAS-18001:2007
CERT NO: AR 1010 (28 FEB 1997)	CERT NO: ER 0112 (03 DEC 1997)	CERT NO: AR 5107 (05 FEB 2010)	CERT NO: SR 0764 (05 JUN 2014)

Product Certification:

UL UL / CSA VDE CCC TISI KC

Product Line Up

R410A (Fixed Speed) : 50Hz/1 Phase

Series	Model	Displacement	Capacity		COP	EER	Testing Condition	Type	Outline	
		(Vcc)	(W)	(BTU)					LT	LA
R	5RS066DA	6.7	1505	5135	2.74	9.3	N-TEC (220V)	1-piston	210	226
	5RS080DB	8.0	1830	6244	2.76	9.4	N-TEC (220V)		220	250
	5RS084DA	8.5	1955	6670	2.82	9.6	N-TEC (220V)		220	259
	5RS092DA	9.2	2135	7285	2.85	9.7	N-TEC (220V)		220	258
	5RS102DA	10.3	2445	8342	2.90	9.9	N-TEC (220V)		239	251
P	5PS102DC	10.2	2380	8121	2.87	9.8	N-TEC (220V)	1-piston	249	259
	5PS112DA	11.2	2580	8803	2.72	9.3	N-TEC (220V)		239	259
	5PS132DD	13.2	3135	10697	2.90	9.9	N-TEC (220V)		249	259
	5PS146DA	14.7	3465	11823	2.78	9.5	N-TEC (220V)		241	251
K	5KS184DA	18.4	4350	14842	3.01	10.3	N-TEC (220V)	1-piston	288	327
	5KS205DA	20.7	4860	16582	3.01	10.3	N-TEC (220V)		288	327
	5KS225DA	22.5	5410	18459	2.93	10.0	N-TEC (220V)		288	327
J	5JS250DA	25.0	6195	21137	3.00	10.2	N-TEC (220V)	1-piston	310	368
	5JS270DB	27.0	6610	22553	3.02	10.3	N-TEC (220V)		310	392
	5JS290DB	29.0	7115	24276	3.02	10.3	N-TEC (220V)		310	392
	5JS315DC	31.7	7765	26494	3.02	10.3	N-TEC (220V)		379	402
	5JS330DC	33.0	8165	27859	2.99	10.2	N-TEC (220V)		310	392
	5JS360DA	36.0	8900	30367	2.99	10.2	N-TEC (220V)		310	392
J2P	5JD390DA	39.0	9580	32687	2.99	10.2	N-TEC (220V)	2-piston	393	404
	5JD420DB	42.0	10410	35519	3.01	10.3	N-TEC (220V)		393	404

R410A (Fixed Speed) : 50Hz/ 3 Phase

Series	Model	Displacement	Capacity		COP	EER	Testing Condition	Type	Outline	
		(Vcc)	(W)	(BTU)					LT	LA
J2P	5JD390PA	39.0	9510	32448	3.05	10.4	N-TEC (380V)	2-piston	393	409
	5JD420PA	42.0	10280	35075	3.05	10.4	N-TEC (380V)		393	409
	5JD472PA	47.3	Under Development						393	409
	5JD575PA	57.5	Under Development						393	409

R410A (Fixed Speed) : 60Hz/1 Phase

Series	Model	Displacement	Capacity		COP	EER	Testing Condition	Type	Outline	
		(Vcc)	(W)	(BTU)					LT	LA
R	5RS072FA	7.3	2020	6892	2.73	9.3	N-TEC (230V)	1-piston	220	205
	5RS084FA	8.5	2390	8155	2.74	9.3	N-TEC (230V)		220	226
P	5PS102FA	10.2	2855	9741	2.83	9.6	N-TEC (230V)	1-piston	249	268
	5PS112FA	11.2	3210	10953	2.92	10.0	N-TEC (230V)		241	765
	5PS132FA	13.2	3810	13000	2.85	9.7	N-TEC (230V)		241	265
	5PS146FA	14.7	4240	14467	2.86	9.7	N-TEC (230V)		241	265
K	5KS170FA	17.0	4975	16975	3.06	10.4	N-TEC (230V)	1-piston	288	327
	5KS205HA	20.7	6035	20591	2.91	9.9	N-TEC (220V)		288	327
	5KS225HA	22.5	6620	22587	2.91	9.9	N-TEC (220V)		288	327
J	5JS250HA	25.0	7580	25863	3.04	10.4	N-TEC (220V)	1-piston	334	392
	5JS270HA	27.0	8320	28388	3.03	10.3	N-TEC (220V)		334	392
	5JS290HA	29.0	8820	30094	3.04	10.4	N-TEC (220V)		334	392
	5JS330HA	33.0	10110	34495	3.04	10.4	N-TEC (220V)		369	392
	5JS360HA	36.0	11260	38419	3.04	10.4	N-TEC (220V)		369	392
J2P	5JD390HA	39.0	11810	40296	3.04	10.4	N-TEC (220V)	2-piston	393	404

R410A (Inverter)

Series	Model	Displacement	Capacity		COP	EER	Testing Condition	Type	Outline	
		(Vcc)	(W)	(BTU)					LT	LA
R	5RS092XD	9.2	2305	7865	2.65	9.0	JIS	1-piston	229	273
	5RS102XH	10.3	2590	8837	2.83	9.7	JIS		259	303
R2P	5RD132XB	13.2	3370	11498	2.74	9.3	JIS	2-piston	290	373
K2P	5KD184XA	18.4	5450	18595	3.03	10.3	ARI	2-piston	295	347
	5KD240XA	24.0	7280	24839	3.03	10.3	ARI		295	347
J2P	5JD420XA	42.4	13420	45789	3.21	11.0	ARI	2-piston	393	369
	5JD650ZC	65.0	20920	71379	3.18	10.9	ARI		393	416
	5JD800ZA	80.0	Under Development						-	-

R32 (Fixed Speed) : 50Hz/1 Phase

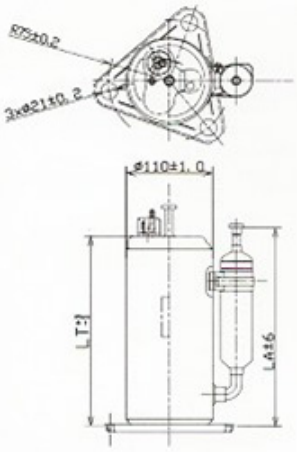
Series	Model	Displacement	Capacity		COP	EER	Testing Condition	Type	Outline	
		(Vcc)	(W)	(BTU)					LA	LT
R	9RS092DB	9.2	2470	8428	3.61	12.3	P-RAC (220V)	1-piston	220	258
	9RS102DA	10.3	2785	9502	3.62	12.4	P-RAC (220V)		239	258
	9RS112DA	11.2	3055	10424	3.62	12.4	P-RAC (220V)		239	259
P	9PS102DA	10.2	2700	9212	3.55	12.1	P-RAC (220V)	1-piston	249	259
	9PS112DA	11.2	3005	10253	3.64	12.4	P-RAC (220V)		249	259
	9PS122DA	12.2	3340	11396	3.77	12.9	P-RAC (220V)		249	259
	9PS132D	13.2	3595	12266	3.60	12.3	P-RAC (220V)		249	259
K	9KS170DA	17.0	4670	15934	3.74	12.8	P-RAC (220V)	1-piston	308	321
	9KS184DB	18.4	5065	17282	3.77	12.8	P-RAC (220V)		308	326
	9KS205D	20.7	5700	19448	3.78	12.9	P-RAC (220V)		288	327
	9KS225D	22.5	6245	21308	3.69	12.6	P-RAC (220V)		288	327
J	9JS210DA	20.7	5880	20063	3.66	12.5	P-RAC (220V)	1-piston	310	368
	9JS270DB	27.0	7620	25999	3.67	12.5	P-RAC (220V)		310	368
	9JS315DA	31.7	9100	31049	3.71	12.7	P-RAC (220V)		310	368
	9JS330DA	33.0	9390	32039	3.86	13.2	P-RAC (220V)		334	392
	9JS360DA	35.9	10410	35519	3.81	13.0	P-RAC (220V)		334	392

R32 (Inverter)

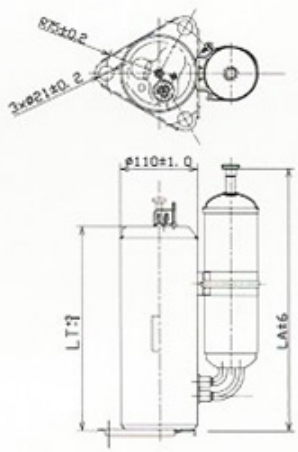
Series	Model	Displacement (Vcc)	Capacity		COP	EER	Testing Condition	Type	Outline	
			(W)	(BTU)					LT	LA
R	9RS092XB	9.2	2490	8496	2.65	9.0	JIS	1-piston	229	259
	9RS102XG	10.3	2855	9741	2.83	9.7	JIS		259	303
R2P	9RD132XA	13.2	3575	12198	2.67	9.1	JIS	2-piston	290	373
K2P	9KD184XA	18.4	5130	17504	2.68	9.1	JIS	2-piston	295	347
	9KD240XB	24.0	6855	23389	2.73	9.3	JIS		295	347
J2P	9JD650XA	65.0	20805	70987	2.86	9.8	JIS	2-piston	393	381

Outline Dimension By Series

R



R2P



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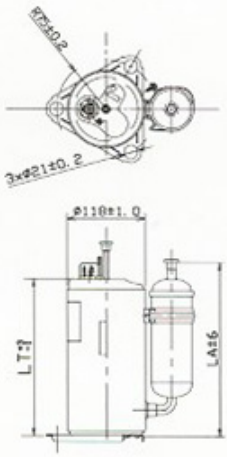

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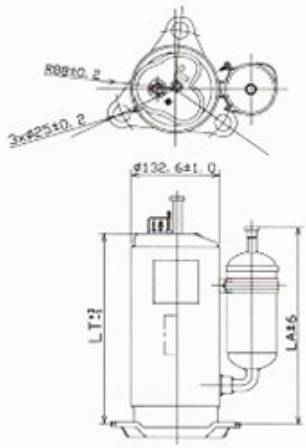

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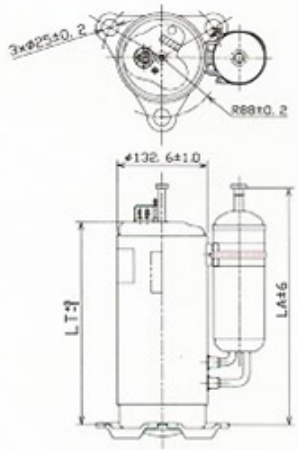

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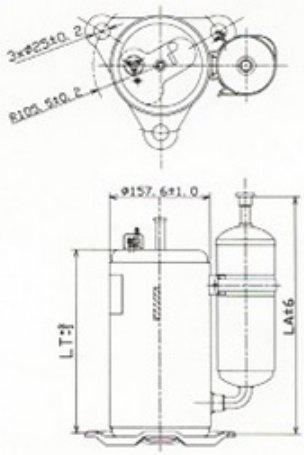

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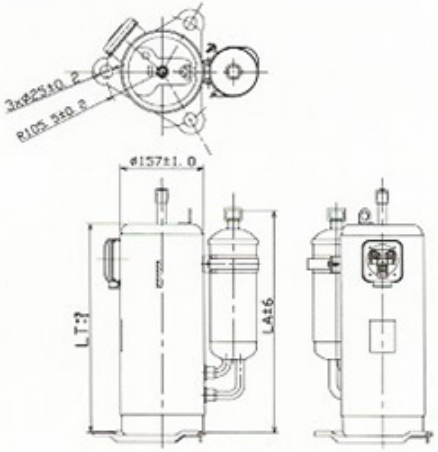


Testing Condition

	N-TEC	JIS	ARI	P-RAC	P-LT	P-MT
Condensing Temp (°C)	54.4	55.0	54.4	47.4	54.4	54.4
Evaporating Temp (°C)	7.2	7.0	7.2	6.2	-23.3	-6.7
Suction Temp (°C)	35.0	18.0	18.3	13.2	18.3	35.0
Liquid Temp (°C)	46.1	55.0	46.1	37.3	32.2	46.1
Ambient Temp (°C)	35.0	35.0	35.0	35.0	32.2	35.0
Cooling Technology	-	-	-	-	Liquid Injection	Force Air Cooling

Low/Medium Temp

R404A (Fixed Speed)

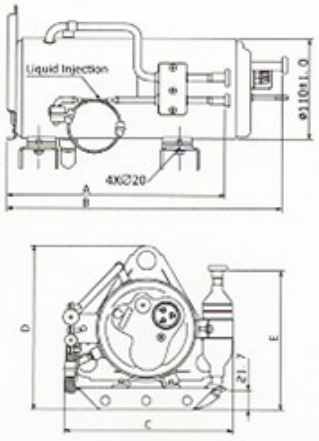
Series	Model	Displacement (Vcc)	Capacity (W)	Capacity (BTU)	COP	EER	Testing Condition	Power Supply	Type	Application	Outline A	Outline B	Outline C	Outline D	Outline E
R	RSHL09S1	9.2	510/665	1740/2269	0.91/1.06	3.11/3.63	P-LT	1φ, 100V, 50/60Hz	1-piston, Horizontal	LBP/MBP	239	302	189	179.9	153
	RSHL11M1	11.4	675/820	2303/2798	1.09/1.14	3.72/3.89	P-LT	3φ, 200V, 50/60Hz	1-piston, Horizontal	LBP/MBP	239	302	189	179.9	153
	RSVL11M1	11.4	615/790	2098/2695	0.96/1.09	3.28/3.72	P-LT	3φ, 200V, 50/60Hz	1-piston, Vertical	LBP/MBP	252.7	300.3	306.5		
	RSHB11M1	11.4	1215/1445	4146/4930	1.83/1.85	6.23/6.32	P-MT	3φ, 200V, 50/60Hz	1-piston, Horizontal	MBP	239	302	185.5	179.9	153
K	KSHL21M1	21.4	1315/1595	4487/5442	1.13/1.15	3.85/3.93	P-LT	3φ, 200V, 50/60Hz	1-piston, Horizontal	LBP/MBP	246	320.4	205.5	180.3	158
	KSVL21M1	21.4	1325/1660	4521/5664	1.13/1.19	3.85/4.05	P-LT	3φ, 200V, 50/60Hz	1-piston, Horizontal	LBP/MBP	235.4	292.3	292.8		
	KDHL24M1	24.0	1445/1725	4930/5886	1.08/1.11	3.68/3.77	P-LT	3φ, 200V, 50/60Hz	2-piston, Horizontal	LBP/MBP	272.7	338.4	205.5	180.3	158
J	JSHL27M1	27.0	1800/2175	6142/7421	1.15/1.21	3.92/4.14	P-LT	3φ, 200V, 50/60Hz	1-piston, Horizontal	LBP/MBP	323	399.6	245	233.9	180.4
	JSVL27M1	27.0	1810/2265	6176/7728	1.15/1.25	3.91/4.25	P-LT	3φ, 200V, 50/60Hz	1-piston, Horizontal	LBP/MBP	263.7	307	314.7		

R410A (Inverter)

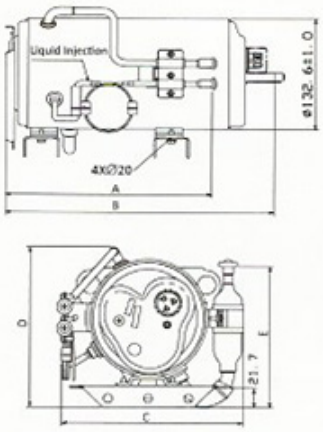
Series	Model	Displacement (Vcc)	Capacity@60rps (W)	Capacity@60rps (BTU)	COP	EER	Testing Condition	Power Supply (into compressor)	Type	Application	Outline A	Outline B	Outline C	Outline D	Outline E
R	RSHL09X5	9.2	925	3156	1.14	3.87	P-LT	280 vdc	1-piston, Horizontal	LBP/MBP	239	302	189	179.9	153
	RSVL09X5	9.2	925	3156	1.09	3.71	P-LT	280 vdc	1-piston, Vertical	LBP/MBP	236.1	320	259		
	RDHL13X5	13.2	1325	4521	1.13	3.87	P-LT	280 vdc	2-piston, Horizontal	LBP/MBP	239	302	189	179.9	156
	RDVL13X5	13.2	1375	4692	1.21	4.11	P-LT	280 vdc	2-piston, Vertical	LBP/MBP	268.7	355	373		
K	KDHL24X5	24.0	2430	8291	1.15	3.93	P-LT	280 vdc	2-piston, Horizontal	LBP/MBP	272.7	338.4	205.5	180.3	158
	KDVL24X5	24.0	2705	9229	1.22	4.18	P-LT	280 vdc	2-piston, Vertical	LBP/MBP	235.4	310	326.3		

Low Temp Outline Dimension By Series

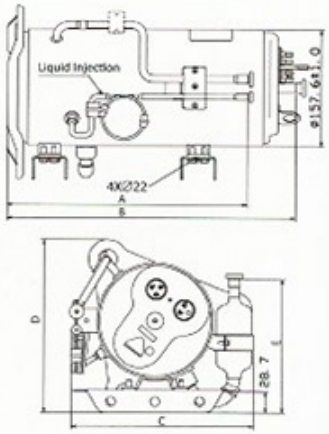
R Horizontal



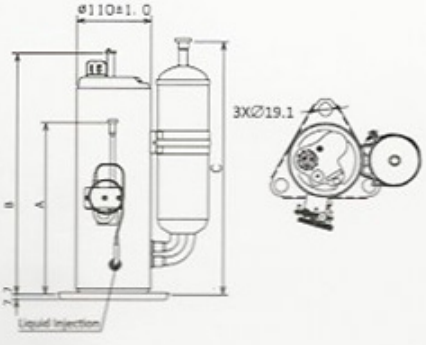
K Horizontal



J Horizontal



R Vertical



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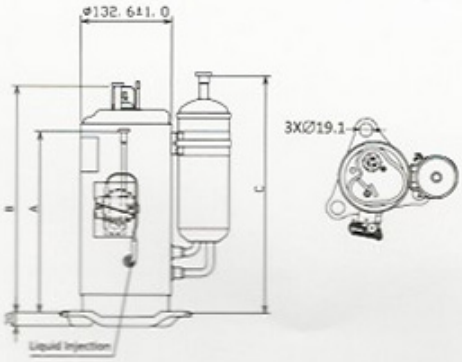

J Vertical