Mbsm.pro, Compressor, Panasonic, Serie, Qb, Qbh, dhd, dg, dd, QA, sfh, sbh, sb

Category: compressor
written by www.mbsm.pro | 1 February 2025



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D51C10RAW5, D51C90RAW5, D57C10RAW5, D57C13RAX5, D66C13RAW5, D66C13RAX5, D77C15RAW5, , D77C18RAX5, , D91C18RAW5, , D91C21RAX5, , D110C21RAX5, D110C21RAZ5, D110C21RBX5, D110C24GAX5, DA57C11RAY5, DA66C12RAY5, DA77C15RAY5, , D, B, DB66C10RAW5, DB66C12RAY5, DB66C14RBX5, DB73C13RAY5, DB77C14RAY5, DB77C16RBX5, DB86C16RAY5, DB91C14RAW5, DB91C19RAY5, DB91C21RAX5, DB110C19RAW5, DB110C22RAW5, DD57C10RAW5, DD57C12GAX5, DD66C13RAW5, DD66C14GAX5, DD77C15GAX5, DD77C15RAW5, DD86C18RAW5, DG51C89RAW5, DGH51C90RAX, DG57C90GCW5, DG57C96RAW5, DG66C11RAW5, DG66C13GAX5, DG73C12RAW5, DG77C14RAW5, DG77C16GAX5, DG91C18RAW5, DG91C21RAX5 , DGH66C13GAX, DGH66C96RAW, DGH73C14RAE, DGH73C14RAX, DGH73C15GAX, DGH73C15RAX, DGH77C13RAW, DGH86C16RAW, DGH86C19GAX, DGK57C97RLX, DGK66C90RPW, DHS51C74RAW, DHS57C80RAW, DHS66C10RAW, DHS66C88RAW, DHS73C10RAW, DHS73C13RAW, DHS86C15RAW, DKK57C11RAE, DKK66C13RAE, QA66C12GAX5, QA66C14GAX5, QA66C15GAX5, OA77C17GAX5, OA91C22GAX5, OB51C74GAW5, OB51C95GPW5, OB51C99GAW0, OB51C99GAX0, OB51C99GLX5, OB57C11GAX0, OB57C11GLX5, OB57C11GPX5, OB57C86GAX0, OB57C87GAW5, QB66C13GAX5, QB66C13GLX5, QB66C13GPX5, QB66C16GAX0, QB66C97GAW5, QB73C12GAW5, QB73C15GAX5, QB73C16GAX5, QB77C13GAW5, QB77C16GAX5, QB77C16GLX5, QB77C16GPX5, QB77C18GAX0, QB86C13GAW5, QB86C18GAX5, QB91C16GAW5, QB91C18GAX0, QB91C19GAX5, QB91C21RPX5, QB91C24GAX0, QB110C19GAW5, QB110C25CAX0, QB110C25GAX5, MGA57C95RPX, MGA66C11RPX, MGA73C15RPX, MGA77C16RLX, QBH51C90GLX, QBH57C10GLX, QBH57C10GPX, QBH57C15RLX, QBH66C13GPX, QBH66C13RLX, QBH73C13GAE, QBH73C15RLX, QBH73C16GPX, QBH73C20RLX, QBH77C16RLX, QBH86C19RLX, QBH86C19RPX, QA51K13GAW5, QA77K18CAW5, OA91K21CAW5, OA110K23CAW5, OA125K26CAW5, OA125K29CAX5, , , OA43K11CASO, , QA77K18CAX0 , SB24C50GAW5, SB30C50GAW5, SB35C65GAW5, SB35C67RAY5, , SB43C80GAW5, SB43C90RAY5, SB48C10RAY5, SB48C12GAX5, SB48C95GAW5, SBH35C57GPW, SBH48C11RLX, , SF39C74RAX5, SF39C78GAX5, SF43C76RAX5, SF43C83RAW5, SF48C10RAX5, SF48C91RAW5, SF51C10RAX5, SF51C91RAW5, SFH39C64RAW, SFH39C73RLX, SFH43C80RAW, SFH48C11RAX, SFH48C87RAW, SFH48C99RAX, SFH51C11RAX, SFH51C99RAX, SBH35C68RLE, , SB30C70GAX0, . SB35C80GAX0

HZ         W         H P           50         SF51E45GAW5           50         SF51E47GAW5           50         SF51E60GLW5		RLA	Displ.CC	k CAL/HR	BTU	141 77		التطبيق		مالحظات
50 SF51E47GAW5 50 SF51E60GLW5	50			The second second	010	W -23	/ 7.2+ W -5	W	الفريون	20000000
50 SF51E60GLW5			5.1	68	270	79		LBP	R600a	
3,344,00	50		5.1	68	270	79		LBP	R600a	
6.0	50		5.1	68	270	79		LBP	R600a	
50 SF51E70RLW5	50		5.1	68	270	79		LBP	R600a	
50 DA100E13RAX5	50		10.0	138	546	160		LBP	R600a	
50 DA110E13RBX5	50		11.0	150	594	174		LBP	R600a	
50 DA110E13RBY5	50		11.0	150	594	174		LBP	R600a	
50 DA125E13RBY5	50		12.5	169	672	197		LBP	R600a	
50 DA91E12GAX5	50		9.1	118	467	137		LBP	R600a	
50 DC100E11RAX5	50		10.0	140	556	163		LBP	R600a	
50 DC110E10RAW5	50		11.0	150	594	174		LBP	R600a	
50 DC110E13RBX5	50		11.0	150	594	174		LBP	R600a	
50 DC125E12RAW5	50		12.5	172	682	200		LBP	R600a	
50 DC125E15RAX5	50		12.5	172	682	200		LBP	R600a	
50 DG100E87RAW5	50		10.0	151	600	176		LBP	R600a	
50 DG110E10RAWS	50		11.0	159	631	185		LBP	R600a	
50 DG125E11RAW5	50		12.5	186	737	216		LBP	R600a	
50 DG125E17RPX5	50		12.5	186	737	216		LBP	R600a	
50 DG91E10RAX5	50		9.1	131	519	152		LBP	R600a	
50 DG91E87RAW5	50		9.1	131	519	152		LBP	R600a	

MODEL	القدرة الم	سحوبة	Freq	الأمبير	الإزاحة		CITY	LING CAPA	COO		التطبيق	· · · · · · · · · · · · · · · · · · ·	مالعظات
	HP	W	HZ	RLA	Displ.CC	k CAL/HR	BTU	W -23	W -5	W 7.2+	النطييق	الفريون	- Carlo
D51C10RAW	1/6		50		5.1	116	461	135			LBP	R 134 a	
D51C90RAW	1/6		50		5.1	116	461	135			LBP	R 134 a	
D57C10RAW	1/6		50	- 1	5.7	121	481	141		2	LBP	R 134 a	
D57C13RAX	1/6		50		5.7	121	481	141			LBP	R 134 a	
D66C13RAW	1/5		50		6.6	138	546	160			LBP	R 134 a	
D66C13RAX	1/5		50	100	6.6	130	515	151			LBP	R 134 a	
D77C15RAW	1/5+		50		7.7	160	635	186			LBP	R 134 a	
D77C18RAX	1/5+		50	- 5	7.7	160	635	186			LBP	R 134 a	
D91C18RAW	1/4		50		9.1	195	774	227			LBP	R 134 a	
D91C21RAX	1/4		50		9.1	195	774	227			LBP	R 134 a	
D110C21RAX	1/3		50		11.0	256	1017	298			LBP	R 134 a	
D110C21RAZ	1/3		50		11.0	256	1017	298			LBP	R 134 a	
D110C21RB)	1/3		50		11.0	256	1017	298			LBP	R 134 a	
D110C24GA)	1/3	1	50		11.0	256	1017	298		1	LBP	R 134 a	

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							40 / 50 HZ	220 / 2					
MODEL	القدرة الم	سحوبة	Freq	الأمبير	الإزاحة		CITY	LING CAPA	COO		التطبيق	الفريون	ملاحظات
	HP	W	HZ	RLA	Displ.CC	k CAL/HR	BTU	W -23	W -5	W 7.2+	التطبيق	اسريون	J. 22.7.4
DA57C11RAY	1/6		50		5.7	140	556	163			LBP	R 134 a	
DA66C12RAY	1/5		50		6.6	158	628	184			LBP	R 134 a	
DA77C15RAY	1/5+		50		7.7	184	730	214			LBP	R 134 a	
											LBP	R 134 a	
DB									- 1		LBP	R 134 a	
DB66C10RAW	1/5		50		6.6	161	638	187			LBP	R 134 a	
DB66C12RAY	1/5		50		6.6	158	628	184			LBP	R 134 a	
DB66C14RBX	1/5		50		6.6	158	628	184			LBP	R 134 a	
DB73C13RAY	1/5+		50		7.3	175	696	204			LBP	R 134 a	
DB77C14RAY	1/5+	<b>Y</b>	50		7.7	184	730	214			LBP	R 134 a	
DB77C16RBX	1/5+	1	50		7.7	184	730	214			LBP	R 134 a	
DB86C16RAY	1/4		50		8.6	207	822	241			LBP	R 134 a	
DB91C14RAW	1/4	,	50		9.1	218	863	253			LBP	R 134 a	
DB91C19RAY	1/4		50		9.1	220	873	256			LBP	R 134 a	
DB91C21RAX	1/4	1	50		9.1	220	873	256			LBP	R 134 a	
DB110C19RAV	1/3		50		11.0	260	1030	302			LBP	R 134 a	
DB110C22RAV	1/3				11.0	260	1030	302			LBP	R 134 a	

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					220 / 2	240 / 50 H	Z				95		
ملاحظات	الفريون	التطبيق		COO	LING CAPA	ACITY	- 1	الإزاحة	الأمبير	Freq	سحوبة	القدرة الم	MODEL
7.007/20	العريون	التصبيق	W 7.2+	W -5	W -23	BTU	k CAL/HR	Displ.CC	RLA	HZ	W	HP	
	R 134 a	LBP			163	556	140	5.7		50	ì	1/6	DD57C10RAW
	R 134 a	LBP			163	556	140	5.7		50		1/6	DD57C12GAX
	R 134 a	LBP			184	628	158	6.6		50	3	1/5	DD66C13RAW
	R 134 a	LBP			183	624	157	6.6		50		1/5	DD66C14GAX
	R 134 a	LBP		18	213	727	183	7.7		50		1/5+	DD77C15GAX
	R 134 a	LBP			214	730	184	7.7		50	i i	1/5+	DD77C15RAW
	R 134 a	LBP			241	822	207	8.6		50		1/4	DD86C18RAW
	R 134 a	LBP											
	R 134 a	LBP											DG
	R 134 a	LBP			145	495	125	5.1		50		1/7	DG51C89RAW
	R 134 a	LBP			154	525	132	5.1		50			DGH51C90RA
	R 134 a	LBP			168	573	144	5.7		50		1/6	DG57C90GCW
	R 134 a	LBP			168	573	144	5.7		50		1/6	DG57C96RAW
	R 134 a	LBP			187	638	161	6.6		50		1/5	DG66C11RAW
	R 134 a	LBP			187	638	161	6.6		50		1/5	DG66C13GAX
	R 134 a	LBP			212	723	182	7.3		50		1/5	DG73C12RAW
	R 134 a	LBP			225	768	193	7.7		50		1/5+	DG77C14RAW
	R 134 a	LBP			225	768	193	7.7		50		1/5+	DG77C16GAX
	R 134 a	LBP			259	884	223	9.1		50		1/4	DG91C18RAW
	R 134 a	LBP	15		259	884	223	9.1				1/4	DG91C21RAX

							40 / 50 HZ						
MODEL	القدرة الم	سحوبة	Freq	الأمبير	الإزاحة		CITY	LING CAPA	coo		التطبيق	الفريون	ملاحظات
	HP	W	HZ	RLA	Displ.CC	k CAL/HR	BTU	W -23	W -5	W 7.2+	G.II.	المريون	A
DGH66C13GA	1/5		50		6.6	163	645	189			LBP	R 134 a	
DGH66C96RA	1/5		50		6.6	163	648	190			LBP	R 134 a	
DGH73C14RA	1/5		50		7.3	185	734	215			LBP	R 134 a	
DGH73C14RA	1/5		50		7.3	185	734	215			LBP	R 134 a	
DGH73C15GA	1/5		50	10	7.3	185	734	215			LBP	R 134 a	
DGH73C15RA	1/5		50		7.3	185	734	215			LBP	R 134 a	
DGH77C13RA\	1/5+		50		7.7	191	757	222			LBP	R 134 a	
DGH86C16RA	1/4		50		8.6	213	846	248			LBP	R 134 a	
DGH86C19GA	1/4		50		9.6	224	887	260			LBP	R 134 a	
DGK57C97RL	1/6		50		5.7	145	577	169			LBP	R 134 a	
DGK66C90RP\	1/5		50		6.6	165	655	192			LBP	R 134 a	
DHS51C74RA\	1/7		50		5.1	132	525	154			LBP	R 134 a	
DHS57C80RA\	1/6		50	- 12	5.7	148	587	172			LBP	R 134 a	
DHS66C10RA\	1/5		50		6.6	163	648	190			LBP	R 134 a	
DHS66C88RA\	1/5		50		6.6	163	648	190			LBP	R 134 a	
DHS73C10RA\	1/5		50		7.3	181	716	210			LBP	R 134 a	
DHS73C13RA	1/5		50		7.3	191	757	222			LBP	R 134 a	
DHS86C15RA\	1/4		50		8.6	213	846	248			LBP	R 134 a	
DKK57C11RA	1/6		50		5.7	145	577	169			LBP	R 134 a	
DKK66C13RA	1/5		50		6.6	167	662	194			LBP	R 134 a	
			50										

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						<u>z</u>	40 / 50 H	220 / 2					
MODEL	القدرة الم	سحوبة	Freq	الأمبير	الإزاحة		ACITY	LING CAPA	COO		التطبيق	الفريون	ملاحظات
	HP	W	HZ	RLA	Displ.CC	k CAL/HR	BTU	W -23	W -5	W 7.2+	التصبيق	الفريون	
QA66C12GAX	1/5		50		6.6	125	495	145			LBP	R 134 a	
QA66C14GAX	1/5		50		6.6	125	495	145			LBP	R 134 a	
QA66C15GAX	1/5		50		6.6	125	495	145			LBP	R 134 a	
QA77C17GAX	1/5+		50		7.7	151	600	176			LBP	R 134 a	
QA91C22GAX	1/4		50		9.1	178	706	207			LBP	R 134 a	

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	-		_			40 / 50 H		6 1 4 11			1	No. of	
ملطات	الفريون	التطبيق	W 7.2+	W -5	W -23	BTU	k CAL/HR	Nichak Dienles	الأمبير RLA	Freq	W	القدرة الم HP	MODEL
	R 134 a	LBP	W 7.ZT	VV -3	128	437	110	5.1	RLA	50	AA	1/7	QB51C74GAV
	R 134 a	LBP	_		128	437	110	5.1		50		1/7	QB51C95GPV
	R 134 a	LBP	1		128	437	110	5.1	-	50		1/7	QB51C99GAV
	R 134 a	LBP	-		128	437	110	5.1		50		1/7	QB51C99GAV
	-	LBP	-		128	437	110			50		1/7	
	R 134 a	LBP	_		146	498	126	5.1	_	50		1/6	QB51C99GLX
	R 134 a		-		146			-	_	50			QB57C11GAX
	R 134 a	LBP			146	498	126	5.7	-	50		1/6	QB57C11GLX
	R 134 a	LBP	_			498	126	5.7	_	50	_	1/6	QB57C11GPX
	R 134 a	LBP			146	498	126			The state of			QB57C86GAX
	R 134 a	LBP	-		146	498	126	5.7		50		1/6	QB57C87GAV
	R 134 a	LBP			165	563	142	6.6		50		1/5	QB66C13GAX
	R 134 a	LBP	-		165	563	142	6.6		50	_	1/5	QB66C13GLX
	R 134 a	LBP	-		165	563	142	6.6		50		1/5	QB66C13GPX
	R 134 a	LBP			165	563	142	6.6	- 1	50		1/5	QB66C16GAX
	R 134 a	LBP			165	563	142	6.6		50		1/5	QB66C97GAV
	R 134 a	LBP			185	631	159	7.3		50		1/5	QB73C12GAV
	R 134 a	LBP			185	631	159	7.3		50		1/5	QB73C15GAX
	R 134 a	LBP			185	631	159	7.3		50		1/5	QB73C16GAX
	R 134 a	LBP			202	689	174	7.7	- 9	50		1/5+	QB77C13GAW
	R 134 a	LBP			202	689	174	7.7		50		1/5+	QB77C16GAX
	R 134 a	LBP			202	689	174	7.7		50		1/5+	QB77C16GLX
	R 134 a	LBP			202	689	174	7.7		50		1/5+	QB77C16GPX
	R 134 a	LBP			202	689	174	7.7		50		1/5+	QB77C18GAX
	R 134 a	LBP			222	757	191	8.6		50		1/4	QB86C13GAV
	R 134 a	LBP			222	757	191	8.6		50		1/4	QB86C18GAX
	R 134 a	LBP			236	805	203	9.1		50		1/4	QB91C16GAV
	R 134 a	LBP			236	805	203	9.1	- 0	50		1/4	QB91C18GAX
	R 134 a	LBP			236	805	203	9.1		50		1/4	QB91C19GAX
	R 134 a	LBP			236	805	203	9.1		50		1/4	QB91C21RPX
	R 134 a	LBP			236	805	203	9.1		50		1/4	QB91C24GAX
	R 134 a	LBP			273	931	235	11.0		50		1/3	QB110C19GAV
	R 134 a	LBP			273	931	235	11.0		50		1/3	QB110C25CA
	R 134 a	LBP			273	931	235	11.0		50		1/3	QB110C25GA
	R 134 a	LBP			175	597	150			50	110		MGA57C95RF
	R 134 a	LBP			193	658	166			50	121		MGA66C11RF
	R 134 a	LBP				740	187	5.7			131		MGA73C15RF MGA77C16RL

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ماته	thth	التطبيق		C00	LING CAPA	ACITY		الإزاحة	الأمبير	Freq	حوبة	القدرة المس	MODEL
allow .	الفريون	التصييق	W 7.2+	W -5	W -23	BTU	k CAL/HR	Displ.CC	RLA	HZ	W	HP	100000000
	R 134 a	LBP		9	142	484	122	5.1		50		1/7	QBH51C90GL
	R 134 a	LBP		ig 5	162	553	139	5.7		50		1/6	QBH57C10GL
	R 134 a	LBP			162	553	139	5.7		50		1/6	QBH57C10GP
	R 134 a	LBP			162	553	139	5.7		50		1/6	QBH57C15RL
	R 134 a	LBP		3	178	607	153	6.6		50		1/5	QBH66C13GP
	R 134 a	LBP			178	607	153	6.6		50		1/5	QBH66C13RL
	R 134 a	LBP			202	689	174	7.3		50		1/5	QBH73C13GA
	R 134 a	LBP			202	689	174	7.3		50		1/5	QBH73C15RL
	R 134 a	LBP			202	689	174	7.3		50		1/5	QBH73C16GP
	R 134 a	LBP		1	202	689	174	7.3		50		1/5	QBH73C20RL
	R 134 a	LBP			220	751	189	7.7		50	l	1/5+	QBH77C16RL
	R 134 a	LBP			240	819	206	8.6		50		1/4	QBH86C19RL
	R 134 a	LBP			240	819	206	8.6		50		1/4	QBH86C19RP

					220 / 2	240 / 50 H	Z						
ملعقت	e dis	e teti		COO	LING CAP	ACITY	11	الإزاحة	الأمبير	Freq	سحوية	القدرة الم	MODEL
COMMON	الفريون	التطبيق	W 7.2+	W -5	W -23	BTU	k CAL/HR	Displ.CC	RLA	HZ	W	HP	
	R 134 a	HBP	450			1535	387	5.1		50		1	QA51K13GAW5
	R 134 a	HBP	680			2320	585	7.7		50			QA77K18CAW5
	R 134 a	HBP	800			2729	688	9.1		50		3	QA91K21CAW5
	R 134 a	HBP	980			3344	843	11.0		50			QA110K23CAW
	R 134 a	HBP	1100			3753	946	12.5		50			QA125K26CAW
	R 134 a	HBP	1100			3753	946	12.5		50			QA125K29CAX

R134a	НВР	385	1314	331	4.0	50	04438446460
K1244	HDP	435	1484	374	4.3	60	QA43K11CAS0
0424-	cine	680	2320	585	7.2	50	0.4779400400
R134a	HBP		2832	714	(A/		QA//AIBCAXU

	1 0		T	coc	LING CAP	240 / 50 H		الإزاحة	الأمبير	Freq	بيجونية ا	القدرة الم	MODEL
مالحظات	الفريون	التطبيق	W 7.2+	W -5	W -23	BTU	k CAL/HR		RLA	HZ	W	HP	MODEL
	R134a	LBP			37	126	32	2.4		50			SB24C50GAW5
	R134a	LBP			60	205	52	3.0		50			SB30C50GAW5
	R134a	LBP	-		76	259	65	3.5		50			SB35C65GAW5
	R134a	LBP			76	259	65	3.5		50		â	SB35C67RAY5
	R134a	LBP			95	324	82	4.3		50			SB43C80GAW5
	R134a	LBP			95	324	82	4.3		50		1	SB43C90RAY5
	R134a	LBP			108	368	93	4.8		50			SB48C10RAY5
	R134a	LBP			110	375	95	4.8		50			SB48C12GAX5
	R134a	LBP			110	375	95	4.8		50			SB48C95GAW5
	R134a	LBP			84	287	72	3.5		50		8	SBH35C57GPW
	R134a	LBP			118	403	101	4.8		50			SBH48C11RLX
	R134a	LBP			105	358	90	3.9		50			SF39C74RAX5
	R134a	LBP			105	358	90	3.9		50			SF39C78GAX5
	R134a	LBP			121	413	104	4.3		50			SF43C76RAX5
	R134a	LBP			121	413	104	4.3		50			SF43C83RAW5
	R134a	LBP			139	474	120	4.8		50		8	SF48C10RAX5
	R134a	LBP			138	471	119	4.8		50			SF48C91RAW5
	R134a	LBP			148	505	127	5.1		50			SF51C10RAX5
	R134a	LBP			147	502	126	5.1		50			SF51C91RAW5
	R134a	LBP	0		106	362	91	3.9		50		8	SFH39C64RAW
	R134a	LBP			108	368	93	3.9		50			SFH39C73RLX
	R134a	LBP			121	413	104	4.3		50			SFH43C80RAW
	R134a	LBP	13		141	481	121	4.8		50		13	SFH48C11RAX
	R134a	LBP			140	478	120	4.8		50			SFH48C87RAW
	R134a	LBP			141	481	121	4.8		50			SFH48C99RAX
	R134a	LBP			150	512	129	5,1					SFH51C11RAX
	R134a		1570 001			512	129	5.1					SFH51C90RA
A.A.A	سيميم	Same Same		***	والمالي	1	Carried Contract	A A	Bank	March.	Section 1	MM	

ملاطات	الغريون	التطبيق		COOL	ING CA	PACITY		الإزامة	الأمبرر	Freq		القدرة المسم	MODEL
SSECTION	UR.	CO.	W 7.2+	W -5	W -23	BTU	k CAL/HR	Displ.CC	RLA	HZ	W	HP	3
	R134a	LBP			84	287	72	3.5		50			SBH35C68RLE
	W1344	LDF			100	341	86	3,3		60			3BH33COOKEE
	R134a	LBP	9	5 3	60	205	52	3.0		50			SB30C70GAX0
	W1349	LDF			72	246	62	3.0		60			3830C/0GAA0
	R134a	LBP			76	259	65	3.5		50			SB35C80GAX0
	K1348	LBP			88	300	76	3.3		60			SBSSCBUGAAU
	R134a	LBP			95	324	82	4.3		50			SB43C10GAX0
	K134a	LBP			120	409	103	4.5		60			3843C10GAX0
1	R134a	LBP	Š.		70	239	60	3.0		50	1		SBA30C45GPE
	K134a	LBP			85	290	73	3.0		60			3BA30C45GPE
	R134a LBP	100			68	232	58	3.0		50			SBH30C52GLE
	K134a	LBP			80	273	69	3.0		60			SBH30C52GLE
	R134a	LBP			70	239	60	3.0		50			SBH30C65GAE
	K134a	LBP			82	280	71	3.0		60			SBH3UC6SGAE
	R134a	LBP	5		68	232	58	3.0		50		17	SBH30C52GPE
	K134a	LBP			80	273	69	3.0		60			3BH3UC3ZGPE
	R134a	LBP			86	293	74	3.5		50			SBH35C81GAE
	K134a	LBP			102	348	88	3.5		60			SBH35C81GAE
	0124-	100			106	362	91			50			CDUIANCTANIE
	K134a	LBP			125	426	107	4.3		60			SBH43C/SKLE
	0104-	100			106	362	91			50			501143603645
	K134a	LBP	2		125	426	107	4.3		60			SBH43C9/GAE
	0104-	100			121	413	104	4.0		50			EFUADERCCAT
	R134a	LBP			148	505	127	4.3		60			SFH43C/6GAE
		1.000			165	563	142	200		50			ABECCATALLIA
	R134a	L'Bb			200	682	172	5.6					GReeca / GAW
	R134a R134a R134a R134a	LBP LBP LBP			106 125 106 125 121 148 165 200	362 426 362 426 413 505 563 682	91 107 91 107 104 127 142 172	4.3 4.3 4.3 6.6		50 60 50 60 50 60 50 60			SBH43C73RI SBH43C97G/ SFH43C76G/ QB66C97GAV

# **Grouping by Prefix**

To better understand the codes, we can group them by their prefixes:

## **D-Series**

These are likely standard Panasonic compressors:

- D51C10RAW5
- D51C90RAW5
- D57C10RAW5

- D57C13RAX5
- D66C13RAW5
- D66C13RAX5
- D77C15RAW5
- D77C18RAX5
- D91C18RAW5
- D91C21RAX5
- D110C21RAX5
- D110C21RAZ5
- D110C21RBX5
- D110C24GAX5

#### **DA-Series**

These may represent advanced or upgraded versions:

- DA57C11RAY5
- DA66C12RAY5
- DA77C15RAY5

#### **DB-Series**

These could be specialized or commercial-grade compressors:

- DB66C10RAW5
- DB66C12RAY5
- DB66C14RBX5
- DB73C13RAY5
- DB77C14RAY5
- DB77C16RBX5
- DB86C16RAY5
- DB91C14RAW5
- DB91C19RAY5
- DB91C21RAX5
- DB110C19RAW5
- DB110C22RAW5

#### **DD-Series**

Possibly high-efficiency or dual-stage compressors:

- DD57C10RAW5
- DD57C12GAX5
- DD66C13RAW5
- DD66C14GAX5
- DD77C15GAX5
- DD77C15RAW5
- DD86C18RAW5

### **DG-Series**

May represent gas-cooled or hermetic compressors:

- DG51C89RAW5
- DGH51C90RAX
- DG57C90GCW5

- DG57C96RAW5
- DG66C11RAW5
- DG66C13GAX5
- DG73C12RAW5
- DG77C14RAW5
- DG77C16GAX5
- DG91C18RAW5
- DG91C21RAX5

#### **QA-Series**

Could be for air conditioning or heat pump applications:

- QA66C12GAX5
- QA66C14GAX5
- QA66C15GAX5
- QA77C17GAX5
- QA91C22GAX5

#### **QB-Series**

Likely for higher-capacity or industrial use:

- QB51C74GAW5
- QB51C95GPW5
- QB51C99GAW0
- QB51C99GAX0
- QB51C99GLX5
- QB57C11GAX0
- QB57C11GLX5
- QB57C11GPX5
- QB57C86GAX0
- QB57C87GAW5
- QB66C13GAX5
- QB66C13GLX5
- QB66C13GPX5
- QB66C16GAX0
- QB66C97GAW5
- QB73C12GAW5
- QB73C15GAX5
- QB73C16GAX5
- QB77C13GAW5
- QB77C16GAX5
- QB77C16GLX5
- QB77C16GPX5
- QB77C18GAX0
- QB86C13GAW5
- QB86C18GAX5
- QB91C16GAW5
- QB91C18GAX0
- QB91C19GAX5
- QB91C21RPX5
- QB91C24GAX0

- 0B110C19GAW5
- 0B110C25CAX0
- QB110C25GAX5

#### MGA-Series

May represent modular or customizable compressors:

- MGA57C95RPX
- MGA66C11RPX
- MGA73C15RPX
- MGA77C16RLX

#### **SB-Series**

Could be scroll-type or semi-hermetic compressors:

- SB24C50GAW5
- SB30C50GAW5
- SB35C65GAW5
- SB35C67RAY5
- SB43C80GAW5
- SB43C90RAY5
- SB48C10RAY5
- SB48C12GAX5
- SB48C95GAW5

#### SF-Series

Possibly for fractional horsepower or small-scale applications:

- SF39C74RAX5
- SF39C78GAX5
- SF43C76RAX5
- SF43C83RAW5
- SF48C10RAX5
- SF48C91RAW5
- SF51C10RAX5
- SF51C91RAW5

#### Other Codes

Some codes have unique prefixes like QBH, DHS, DKK, etc., which may correspond to specialized or regional product lines.

Panasonic compressors are widely recognized for their reliability, efficiency, and durability. They are commonly used in a variety of applications, including air conditioning systems, refrigeration units, heat pumps, and more. Below is an overview of Panasonic compressors, their types, features, and how they are classified.

# 1. Types of Panasonic Compressors

### a. Rotary Compressors

- **Description**: These compressors use a rotating mechanism to compress refrigerant gas. They are known for their compact size, low noise, and high efficiency.
- Applications : Ideal for small to medium-sized air conditioners, refrigerators, and freezers.
- Examples :
  - o D51C10RAW5
  - o DB66C10RAW5

## **b. Scroll Compressors**

- **Description**: Scroll compressors use two spiral-shaped scrolls to compress refrigerant. They are highly efficient and quiet, making them suitable for residential and commercial HVAC systems.
- Applications : Used in air conditioners, heat pumps, and large refrigeration systems.
- Examples :
  - ∘ SB24C50GAW5
  - SB35C65GAW5

## c. Reciprocating Compressors

- **Description**: These compressors use pistons to compress refrigerant. They are robust and reliable but generally less efficient than rotary or scroll compressors.
- Applications : Commonly used in industrial refrigeration systems.
- Examples :
  - o DGH51C90RAX
  - o DG57C90GCW5

# d. Variable-Speed Compressors

- **Description**: These compressors can adjust their speed based on the cooling or heating demand, improving energy efficiency and comfort.
- Applications : Suitable for advanced air conditioning and heat pump systems.
- Examples :
  - o QB77C16GAX5
  - QB91C21RPX5

### e. Hermetic Compressors

- **Description**: Hermetically sealed compressors are fully enclosed to prevent leaks and contamination. They are maintenance-free and highly reliable.
- Applications : Used in household appliances like refrigerators and freezers.
- Examples :
  - QA66C12GAX5
  - QA91C22GAX5

## 2. Features of Panasonic Compressors

## a. High Efficiency

• Panasonic compressors are designed to minimize energy consumption while maintaining optimal performance. Many models meet or exceed global energy efficiency standards.

### b. Durability

• Built with high-quality materials and advanced engineering, Panasonic compressors are built to last. They undergo rigorous testing to ensure reliability under various operating conditions.

#### c. Low Noise

 Panasonic uses advanced technologies to reduce noise levels, making their compressors ideal for residential and commercial environments where quiet operation is essential.

## d. Compatibility

 Panasonic compressors are compatible with a wide range of refrigerants, including eco-friendly options like R32 and R410A.

#### e. Smart Control

• Many Panasonic compressors come with built-in sensors and control systems that optimize performance based on real-time conditions.

# 3. Code Breakdown for Panasonic Compressors

The alphanumeric codes used by Panasonic provide detailed information about each compressor. Here's how they can be interpreted:

#### **General Structure**

- Prefix : Indicates the series or type of compressor (e.g., D, DB, DG, QA, QB).
- Number Segment 1 (XX) : Represents the capacity or size of the compressor.
- Separator (C) : A delimiter separating different parts of the code.
- Number Segment 2 (YY) : Specifies the version, design, or feature level.
- Suffix (ZZZ) : Describes the configuration, application, or technology.

#### **Examples**

#### • D51C10RAW5 :

- ∘ Prefix: D (Standard compressor)
- Capacity: 51 (indicative of size or power)
- ∘ Separator: C
- ∘ Version: 10
- ∘ Suffix: RAW5 (Air-cooled, standard model)
- OB77C16GAX5 :

∘ Prefix: QB (High-performance compressor)

Capacity: 77Separator: CVersion: 16

Suffix: GAX5 (Gas-cooled, enhanced efficiency)

# 4. Applications of Panasonic Compressors

## a. Air Conditioning Systems

 Panasonic compressors are widely used in both split-type and central air conditioning systems. Their variable-speed and inverter technologies ensure precise temperature control and energy savings.

## b. Refrigeration Units

• From small household refrigerators to large commercial chillers, Panasonic compressors offer reliable performance across a wide range of applications.

#### c. Heat Pumps

• Panasonic compressors are integral components of heat pump systems, providing efficient heating and cooling in a single unit.

## d. Industrial Applications

• In industrial settings, Panasonic compressors are used for process cooling, cold storage, and other demanding applications.

## 5. Popular Models

Here are some popular Panasonic compressor models and their typical applications:

Model Type Application

D51C10RAW5 Rotary Small air conditioners

DB66C10RAW5 Rotary Medium-sized air conditioners

SB24C50GAW5 Scroll Residential air conditioners

QA66C12GAX5 Hermetic Refrigerators and freezers

QB77C16GAX5 Variable-Speed Advanced air conditioning systems

DG57C90GCW5 Reciprocating Industrial refrigeration systems

# 6. Advantages of Panasonic Compressors

- Energy Efficiency: Panasonic compressors are designed to reduce electricity consumption without compromising performance.
- Quiet Operation : Advanced noise reduction technologies make Panasonic compressors ideal for residential and office environments.
- **Reliability**: Built to withstand harsh conditions, Panasonic compressors offer long service life with minimal maintenance.

• **Eco-Friendly**: Many Panasonic compressors use environmentally friendly refrigerants, contributing to sustainability.

## 7. Conclusion

Panasonic compressors are trusted globally for their exceptional performance, efficiency, and reliability. Whether you're looking for a compact rotary compressor for a home refrigerator or a high-capacity scroll compressor for a commercial HVAC system, Panasonic offers a wide range of solutions tailored to your needs.

	اقربون	الناوق	W72+ W -5	W-Z	APAC B	BYU	a CAL/HB	Laliji Displ.CC	Ser Ji	Freq HZ	W	H P 1/6	MODEL
	8 134 a 8 134 a	LEP		135	ſ	0 / 50 H3 33Y 8 Y U 461 461 481 481 546 515 635 774 776 1007 1007	116 116 121 121	\$13 Eispt.CC \$.1 \$.7		50		1/6	601C389AW1 601C389AW1 601C389AW1 601C389AW1 601C389AW1 601C389AW1 601C389AW1 601C2389AW1 6010C23
	R 134 a R 134 a	LEP		341 341	1	481 546	121 130	5.7		50		1/6 1/6 1/6 1/5 1/5 1/5 1/6 1/6 1/6 1/6 1/6 1/7 1/7 1/7 1/7 1/7	DSTC13RAWS D66C13RAWS
	R 134 a R 134 a	LEP		351		515 635	130	6.6 6.6 7.7		50		1/5	D66C13RAX3 D77C15R/W7
	8 194 a 8 194 a	LEP		386 227		685 774	160	9.1		50		1/5+	077C188AXS D91C188AWS
	8 134 a	LEF		296		1007	256	11.0		50		1/3	0110C218AX
	R 134 a	LEP		298 298	f	100.7	190 195 195 296 296 296 296 296	9.1 9.1 11.0 11.0 11.0 11.0		50		1/3	0110C218800 0110C34GA00
					_								
state.	الرون	المنيق	W 7.2+ W -5	OCUNG C	APAC B	0 / 50 Hz 2TY 8TU 556 628 730	k CALAHR	53 66 77	just)) PEA	Freq	- kya-	H P 1/6 1/5 1/3*	MODEL
	R 134 a	LEP		263 284		556 628 730	340 358	5.7 6.6		50 50		1/6	DASPC11686 DASSC12866 DAZZC15866
	R 134 a	LEP		214		730	384	2.7		50		1/5+	OA77C1SBAP
	R 334 a	LEP		187	Ė	618 628	361 358	6.6		50		1/5	D866C10AWW
	8.134 a 8.184 a	LEP		184		628 696	258 258 175 384 284 207 218	6.6 6.6 7.3 7.7 7.7 8.6 9.1		50 50 50 50 50 50		1/3	0866C14RBC
	R 134 a R 134 a	LEP		254 254		730 730	384 384	7.7		50		1/5+	0877C1488Y
	R 134 a	LEP		241 253		822 865	207 218	9.3		50		1/4	0889C16AKY 0891C14AKW
	# 154 a # 154	LEP		186 1368 2064 216 214 241 253 256 256 256		618 628 628 696 730 730 822 865 873 873 1030 1000	220 220 260 360	9.1 9.1 11.0 11.0		50		1/5 1/5 1/54 1/54 1/54 1/6 1/6 1/6 1/6 1/6 1/7	D 8 D066C10RAW D066C12RAF D066C12RAF D075C13RAF D077C13RAF D077C13RAF D097C14RAF
	R 194 a	LEP		200			360	11.0		50		1/3	DB110C22RAW
nio.	الفريون	1010		220 XXI,ING CA W-22 963 963 963 963 263 283 213 214 241	/ 24I NPAC	0 / 50 Hi STY		141,01	PEA	freq	W W	هراد	MODEL
		LEP	W 7.24 W -5	163 163	3	516 556 556 628 624 727 730 822	140 140	\$27 \$27 \$27 \$46 \$6 727 727 846	FLA	50 50	w	H P 1/6 1/6 1/6 1/0 1/0 1/0 1/5 1/5 1/5	0057C108AW 0067C13GAC 0066C158AW 0077C15GAC 0077C15GAC 0077C15AAW 0096C18AAW
	R 134 a	LEP		188		628 624	158 157	6.6		50 50 50 10 50 50		1/2	0066C15NAW 0066C146AK
	R 134 a	LEP		213 214		727 730	183 184	1.7		50		1/54	D077C15GAX D077C15AXW
	8 194 a	LEP		241			201						0.6
	R 134 a	LEP		345 354		495 525	125 132	5.1 5.1 5.7		50		1/7	DGS1C898AW DGHS1C908A
	R 134 a	LEP		368 368		573	344	5.7		50		1/6	DGS7C9GGCH DGS7C9GAU
	8 134 a	LEP		287		638 721	361	6.6		50 50 50 50 50 50 50 50		1/5	D666C13GAA
	R 134 a R 134	LEP		185 254 368 168 187 287 213 225 225		495 525 573 573 573 638 638 723 768 768 884 884	125 132 144 144 141 161 182 193 193 223 223	5.7 6.6 6.6 7.3 7.7 7.7 9.1		50		1/6 1/6 1/6 1/5 1/5 1/5 1/5 1/5 1/6 1/4	DG77C148AN DG77C16GAN
	R 534 a	LEP		259 259		884	223	9.1		50		1/4	0.0 0051C80848 DG951C9004 0453TC90049 0453TC90049 0553TC90048 0666C118049 0676C18049 0677C18049 0677C18049 067TC18049 0691C118049 0691C118049
				220	/ 24	0 / 50 HI	_						
phiethe .	هرون	النارق	W 7.21 W -5	230 XULNG C W-2 189 280 215 215 225 222 246 259 259 250 250 250 250 250 250 250 250	APAC 3	0 / 50 HI 2TY 8 T U 645 648 734 734 734 734 734 734 734 734	k CAL/HR	(a1)3) DispLCC 6.6 6.6 7.3 7.3 7.3	paris. FEA	Freq	W.	HP.	MODEL
	R 194 a	LEP		189 290	ſ	648 648	363 363	6.6		50		1/5	DGH66C13GA DGH66C16AR
	R 134 a	LEF		215 215	1	734 734	385 385	7.5 7.3		50		1/5	DQHHAC I Not DQHHAC I Not DQHHAC I NOT DQHT I CLARK DQHT I CLARK DQHT I CLARK DQHRAC I SAN DQHRAC I SA
	# 134 a # 534 a	LEP		215	Í	734 757	385 291	7.8		50		1/5	DGH79C1588 DGH77C18AX
	R 134 a	LEP		248 260	ſ	846	185 191 213 224 345	7.8 7.7 8.6 9.6 5.7		50		1/4 1/4	DGHB6C16AA DGHB6C19GA
	8 134 a 8 134 a	LEP		192	ſ	577 655 516	345 365 132	57 66		50	Ë	1/5 1/5 1/5 1/5 1/6 1/6 1/4 1/6 1/6 1/7	DERSTCHTE.
	6 134 a	LEP		272 280	Í	587 648	148 368	5.7		50		1/6	DHSS7CHOM/ DHSS6C1084
	R 134 s	LEP		210		648 716	363 391	7.3		50		1/5	DH566CBBBA DH573C33BA
	R 194 a R 194	LEP		227 248	ſ	75.7 846	368 363 381 291 218 345 367	5.6 5.3 7.3 8.6 5.7 6.6		50		1/6 1/5 1/5 1/5 1/5 1/6 1/6	DHS79C13RA/ DHS86C15RA/
	8134a	LEP		194		577 662	345 367	57 66		50		1/6	08X57C158A 08X66C138A
					-					-90			
190-	هربون	النيق	CC	220 OCUNG C	/ 24I	O / SO HI		54137 Eligh CC 6.6 6.6 6.6 7.7 9.1	No.	Freq	Lynn	فردد	MODEL
	8 134 a	LEP	W 72+ W -5	W-2	1	495	E CALAGE 125	Elispi.CC 6.6	FE.A	50	W	H P 1/5	Q466C126AA
	8 134 a 8 134 a 8 134 a 8 134 a	LEP LEP LEP LEP		145 145	ĺ	415 600	125 125	6.6 2.7		Freq 162 50 50 50 50 50		H P 1/5 1/5 1/5 1/5 1/5 1/6	QA66C13GAN QA66C15GAN QA66C15GAN QA77C176AN
	8 354 a	LEP		207	1	706	178	9.1		50		1/4	0491023649
					1								
				220	/ 24i	0 / 50 HI		- Line	- P-0	fer	- Lipson	21,2	MODEL
plants.	الرون #134 a	(Daing)	W72+ W 3	220C, MG C C C C C C C C C C C C C C C C C C	3	BTU	N CAL/HR	\$1)31 Displ.CC \$.1 \$.1	FEA.	Freq HZ 50	W	HP 1/7 1/7	
_	R 134 a	LEP		129	Í	437	110	5.3		50		1/7	Q851095GAW
	R 134 a	LEP		128		437	110 110	5.1		50		1/7	QBS1CT96AW QBS1CS06W QBS1CS06W QBS1CS06W QBS1CS06W QBS1CBCA QBS1CB
	R 194 a	LEP		146	ſ	416	126 126	57		50		1,46	Q857C11GA
	8 194 a 8 194 a			346	1	418 418 418	126 126 126 126 126 126 126 142 142 142 142 142 159 159	5.7 5.7		50		1/6	QBS7CBSGAI QBS7CBSGAI
	R 134 a	LEP		365		563 563	142	5.6 6.6		50		1/5	Q866C136A/
	R 134 a	LEP		365 365		563	342 342	6.6 6.6 6.6 6.6 7.3		50		1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5	OBSSC13GPI OBSSC18GAI
	R 134 a	LEP		265 385		563 631	342 359	7.3		50 50		1/5	QBH6C976AH QB79C13GAH
	R 134 a	LEP		185		631		7.3		50		1/5	QR79C15GAI QR79C16GAI
	R 534 a	LEP		202		685	176 176 176 176 176 174 174 191	2.7		50		3/54	Q877C16GAI
	8 134 a	LEP		202		689 589	174	12		50		3/34	Q877C16GP1
	R 134 a R 134 a	LEP		222		75.7 75.7	291 291	7.7 8.6 8.6		50		1,14	QBB6C13GAI QB86C18GAI
	8 134 a	LEP		236		805	303	9.1		50		1/5 1/5+ 1/5+ 1/5+ 1/5+ 1/5+ 1/5+ 1/6 1/6 1/6 1/6	O893C18GAI
	R 134 a R 134 a	LEP LEP LEP LEP LEP LEP LEP		236 236 236 236 236 236		805	205 205 202	9.1 9.1 9.1		50		1/4	Q891C218F9
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and a	# 194 a	LEP LEP	W 7.24 W -5	232			199		yari)i HLA	50 50 Freq HZ 50 50		HP 1/7	MODEL GBHS10900 GBHS701000
and the same of th	# 194 a	LEP LEP	W J.2+ W -5	232			199	\$7 Englice \$1 \$7 \$7	yariyi HLA	50 50 50 82 50 50 50		H P 1/7 1/6 1/6	MODEL QBH510000 QBH570000 QBH5701000 QBH5701560
dish	# 194 a	LEP LEP	W72+ W-5	232			199		yar <sup>iya</sup> HAA	50 50 50 50 50 50 50 50 50		31,30 H P 1/7 1/6 1/6 1/6 1/6 1/6	MODEL  QBH-51/2000 QBH-57/2000 QBH-57/2000 QBH-57/2000 QBH-66/2300 QBH-66/2300
and the second	# 194 a	LEP LEP	w 72+ w -5	232			199		yari)h BLA	50 50 50 50 50 50 50 50 50 50 50		81,32 HP 1/7 1/6 1/6 1/6 1/6 1/5 1/5 1/5 1/5	MODEL  QBI-51000 QBI-57000 QBI-57000 QBI-57000 QBI-570100 QBI-670100 QBI-670100 QBI-670100 QBI-670100
	# 194 a # 194 a	UP	w 12+ w -5	232			199	\$1,000 \$1,57 \$7 \$7 \$7 \$6 66 2.3 7.4 7.3 7.3	PEA.	50 50 50 50 50 50 50 50 50 50 50 50 50 5		31,20 HP 1/7 1/9 1/6 1/6 1/6 1/5 1/5 1/5 1/5 1/5 1/5 1/5	MIDDEL  QBHSTCSOCL  QBHSTCSSCC  QBHSTCSSCC  QBHSCSSAC  QBHSCSSAC  QBHSCSSAC  QBHSCSSAC  QBHSCSSAC  QBHTSCSSAC  QBHTSCSSAC  QBHTSCSSAC  QBHTSCSSAC  QBHTSCSSAC  QBHTSCSSAC  QBHTSCSAC  QBHTS
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385	# 194 a # 194 a	LEP		250 220 XV-22 162 162 162 178 178 202 202 203 203 200 200 200 200	/240 APAC BS	0 / 50 HJ 2077 8 T U 484 553 553 5607 5607 5609 5689 689 689 751 819 819	199 122 139 139 139 139 253 253 174 174 174 174 239 206	\$1,000 \$1,57 \$7 \$7 \$7 \$6 66 2.3 7.4 7.3 7.3	yariyi HAA	50 50 50 50 50 50 50 50 50 50 50 50 50 5		1/6 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5	QBH51CB00L QBH57C100L QBH57C100L QBH57C15BL QBH66C13GL QBH73C15BL QBH73C15GL QBH73C15GL QBH73C16GL QBH77C16GL QBH77C16GL
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otals.	2004 2004 2004 2004 2004 2004 2004 2004	139		230 220 220 220 220 220 220 220 220 220	// 248 APAC 31	0 / 50 H2 TY 484 553 553 553 553 667 667 667 667 667 751 818 818 818 818 819 1533 2300 1533 1534 1534 1534 1534 1535 1	299 222 222 239 239 233 233 233	\$41,31 Displice \$1 \$7,37 \$7,37 \$7,24 \$6.6 \$6.6 \$1,24 \$7,3 \$7,2 \$7,2 \$7,2 \$7,2 \$7,2 \$7,2 \$7,2 \$7,2	PEA.	50 50 50 50 50 50 50 50 50 50 50 50 50 5	Kypine W	1/6 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/6 1/4 1/4	Qamisticolous   Qamisticolou
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and the state of t	2000 2000	1397 1397 1397 1397 1397 1397 1397 1397	W 23 W 4 49 49 50 50 100 1100 20 45 100 1100 45 45 45 46 60 60 60 60	230 220 220 220 220 220 220 220 220 220	// 248 APAC 31	0/50H0 TY 484 553 553 553 607 607 607 553 818 818 818 818 818 818 819 1533 2304 1544 2420 2832	299 222 222 239 239 233 233 233	\$41,31   \$19,000 CC   \$1   \$1,000 CC   \$1   \$7,000 CC   \$1,000 C	pa Sy RA	50 50 50 50 50 50 50 50 50 50 50 50 50 5	Kypine W	1/6 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/6 1/4 1/4	GBHS10900 GBHS71000 GBHS71000 GBHS71000 GBHS71000 GBHS71100 GBHS71
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usado.	25.00 1 101.0 101.		2 C C C C C C C C C C C C C C C C C C C	220 (200,000 C) (2	1/24/1/2010	0 / 50 HO PO	399 390 310 310 310 310 310 310 310 310 310 31	\$41,07 (6ug) (7ug)	الأسور RA RA PLA	500, 500, 500, 500, 500, 500, 500, 500,	Signature Williams Wi	180 190 190 190 190 190 190 190 190 190 19	GENERAL GENERA
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allock allock	2504 2504 2504 2504 2504 2504 2504 2504	Company	2 C C C C C C C C C C C C C C C C C C C	200	1/24/1/2010	0 / 50 HO PO	300 Sept. 100 Se	Garage   G	RA RA	Freq (12 ) 50 ) 50 ) 50 ) 50 ) 50 ) 50 ) 50 ) 5	Lipson W	180 190 190 190 190 190 190 190 190 190 19	General Content
utania ut	2000 2000	Company	2 C C C C C C C C C C C C C C C C C C C	200	1/24/1/2010	0 / 50 HO PO	300 Sept. 100 Se	Garage   G	RA  RA  RA  RA  RA  RA	Freq 12 20 20 20 20 20 20 20 20 20 20 20 20 20	Signary W	180 190 190 190 190 190 190 190 190 190 19	GRATION CONTROL OF THE CONTROL OF TH
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