

**Market introduction record (Maker, Model, Application)**

Installation Target Model		HosePower	Compressor output	Units Number	Refrigerant	Application	Business Area	Reduction effect	Measurement period			
Maker	Model Name	HP	kW									
DAIKIN	LRY5M	5	3.8	10	R22	Chilled	Refrigerated warehouse	31%	2011.4~9			
DAIKIN	LRL8JA	8	5.5	2	R22	Refrigerated	Frozen/ Refrigerated warehouse	20%	2012.5~2013.4			
DAIKIN	LRL15K1	8	5.5	3	R22	Refrigerated						
DAIKIN	LRL15K2	8	5.5	3	R22	Refrigerated						
DAIKIN	LRL8JA2	8	5.5	5	R22	Refrigerated						
DAIKIN	LRL8K	8	5.5	4	R22	Refrigerated						
MITSUBISHI	ECA-UB260A1	40	26.0	8	R22	Refrigerated	Refrigerated warehouse	22%	2012.6~8			
MITSUBISHI	ERA-P150A1	20	15.0	5	R404A	Chilled	Food Processing	15%	2012.7~2013.6			
MITSUBISHI	ERA-110B	20	15.0	2	R22	Chiller						
MITSUBISHI	ECAV-EP150A	20	15.0	3	R22	Freezer						
MITSUBISHI	ESA-Z150C1	20	15.0	2	R22	Freezer						
MITSUBISHI	ESA-UB110A1	20	15.0	1	R22	Freezer						
MITSUBISHI	ERA-UB75B	10	7.5	3	R22	Freezer						
MITSUBISHI	ERA-150C1	20	15.0	3	R22	Chiller ice machine						
MITSUBISHI	ERAV-EP45A1	8	5.5	2	R22	Refrigerated						
HITACHI	KX-RM30A	30	22.2	3	R404A	Freezer	Ice making factory	32%	2012.8~9			
HITACHI	KX-RM36A	40	26.8	1	R404A	Freezer		16%				
SANYO	OCU-S601F	10	7.5	2	R22	Showcase	Supermarket	15%	2012.10~11			
SANYO	OCU-3001CSF	30	22.5	5	R22	Freezer	Food Processing	16%	2013.7~9			
SANYO	OCU-2000F	20	15.0	5	R22	Refrigerated						
SANYO	OCU-3001F	12	9.7	8	R22	Factory air conditioning						
SANYO	OCU-S1601CF	13	11.8	5	R22	Factory air conditioning						
SANYO	OCU-3001MSSF	30	21.8	5	R22	Freezer						
SANYO	OCU-503F	5	3.7	6	R22	Factory air conditioning						
MITSUBISHI	PUH-125EKD	5	3.5	3	R22	Factory air conditioning						
MITSUBISHI	ERA-75C	10	7.5	2	R22	Factory air conditioning						
MITSUBISHI	PUTF-20A	20	15.0	2	R22	Factory air conditioning	Food Processing	16%	2013.8~11			
MITSUBISHI	PUTF-10A	10	7.5	3	R22	Factory air conditioning						
SANYO	OCU-1503F	14	11.0	3	R22	Factory air conditioning						
SANYO	OCU-NL1501F	14	10.5	5	R404A	Refrigerated						
SANYO	SPW-CHEP160E	5	3.8	3	R410a	Factory air conditioning						
SANYO	OCU-1001F	10	7.5	3	R410a	Factory air conditioning						
SANYO	OCU-S800F	8	6.0	3	R22	Factory air conditioning						
DAIKIN	LRH8J	8	5.5	3	R22	Refrigerated warehouse						
HITACHI	RUHP1180AZ4	30	21.0	2	R407c	Refrigerated warehouse	Drugstore	25%	2013.9~10			
TOSHIBA	ROB-AP2804HS	8	5.5	1	R407C	Store air conditioning						
TOSHIBA	ROB-AP2244HS	5	1.8x2	3	R407C	Store air conditioning						
SANYO	OCU-NL300F	3	2.2	1	R407C	Showcase						
SANYO	OCU-S2003DSF	20	15.0	2	R22	Freezer						
SANYO	OCU-1503F	15	11.5	1	R22	Showcase	Supermarket	18.0%	2013.10~2014.9			
SANYO	OCU-N800FS	8	6.4	3	R22	refrigerated		10.5%				
MITSUBISHI	ERAV-EP75A	10	7.7	4	R410a	Store air conditioning						
SANYO	OCU-2000F	20	15.0	2	R22	Showcase						
SANYO	OCU-1003F	10	7.5	2	R22	Showcase						
DAIKIN	RZCP280D	9	6.7	3	R410a	Server room		Auto Parts Plant		16%	2014.1~9	
DAIKIN	RZCP224P	8	5.2	3	R410a	Server room				16%		
HITACHI	KX-R10AV	10	7.5	1	R404A	Cooling of manufacturing machine		Auto Parts Plant		18%	2014.5~8	
HITACHI	KXRM16AV-A	16	12.0	1	R404A		18%					
DAIKIN	RZCP224P	8	0.7+4.5	2	R410A	Test room air conditioning	Auto Parts Plant	22%				
DAIKIN	RZCP280D	10	2.2+4.5	3	R410A							
DAIKIN	RZYCP280MR	10	2.7+4.5	3	R410A							
SANYO	OCU-504F	5	3.5	5	R22	Product refrigerator	Soldering Plant	17%	2014.6~9			
SANYO	OCU-604F	6	4.5	5	R22	Product refrigerator		17%				
DAIKIN	RYJ280LA	10	7.5	3	R22	Test room air conditioning		18%				
DAIKIN	UWAXP190A8	10	7.5	5	R410a	Factory air conditioning		16%				
HITACHI	RAS-AP335HVM3	10	7.2	5	R22	Factory air conditioning		15%				
HITACHI	RHUP1180A	30	22.5	2	R407c	clean room	Fine Chemical		2014.9~2015.8			
TOSHIBA	ROP-AP2804HT	10	7.5	2	R410a	production line	Film Production	12%	2014.8~9			
DAIKIN	RZYCP280A	10	7.5	2	R407c	power room		13%				
HITACHI	RAS-J140LTL1	5	3.8	5	R22	Factory air conditioning	Egg factory	21.5%	2014.9~10			
HITACHI	RAS-J224LTL	8	5.5	5	R22	Factory air conditioning						
HITACHI	RAS-J140H1	5	3.8	5	R22	Factory air conditioning						
HITACHI	RAS-J280LTM	10	7.5	5	R22	Factory air conditioning						
HITACHI	RAS-J450FCHT	15	11.8	5	R22	Factory air conditioning						
HITACHI	RAS-P280SH	8	5.8	3	R22	Factory air conditioning						
HITACHI	RAS-J160HE	7	4.4	3	R22	Factory air conditioning						
TOSHIBA	ROA-AP160SH	5	3.3	3	R22	Factory air conditioning						
SANYO	OCU-NL800	8	6.0	10	R22	production line						
MITSUBISHI	PUHG-5MGA	6	4.0	5	R22	Factory air conditioning						
DAIKIN	RY250C	10	7.5	5	R22	Factory air conditioning						
MITSUBISHI	PUHV-P280	10	7.5	15	R410A	Test room				Auto Parts Plant	18%	2015.4~8
DAIKIN	RZYCP280M	10	7.2	2	R410A	Test room air conditioning				Battery Plant	19%	2015.7~8
Installed Units Number				263								

Installation Target Model		HosePower	Compressor output	Units Number	Refrigerant	Application	Business Area	Reduction effect	Measurement period
Maker	Model Name	HP	kW						
MITSUBISHI	PUZG-P10MHA12	8	5.5	10	R410A	Product refrigerator	egg factory		not measured
MITSUBISHI	PUZG-P8MHA12	6	4.7	10	R410A	Factory air conditioning			
MITSUBISHI	PUZ-ZRMP160KA	8	5.5	15	R410A	Factory air conditioning			
MITSUBISHI	PUZ-ZRMP280KA	8	5.7	10	R410A	Factory air conditioning			
MITSUBISHI	PUHY-P400DMG3	10	7.4	15	R410A	Factory air conditioning			
MITSUBISHI	PUHY-P224DMG4	5	4.0	15	R410A	Air conditioner for outside air treatment			
MITSUBISHI	PUSY-P140MH1	5	3.8	10	R410A	corridor air conditioning			
MITSUBISHI	ECOV-EN98MC	12	9.8	10	R410A	office air conditioning			
MITSUBISHI	ECOV-EN75MC	10	7.5	10	R410A	experiment room air conditioning			
MITSUBISHI	ECOV-EN150C	20	15.0	10	R410A	experiment room air conditioning			
HITACHI	RCUP1180AZ	40	30.0	1	R407c	cooling of machine	Pigment ink manufacturer	18%	2015.7~9
HITACHI	RCUF60WZ	60	22×2	5	R134a	cooling of machine			
MITSUBISHI	MCA-P500C-PT	20	7.5×2	5	R407c	cooling of machine			
DAIKIN	RZYP280P	10	7.2	10	R410A	test room	mechanical parts manufacturer	16%	2015.7~8
DAIKIN	RSEYP224P	8	5.7	10	R410A	material room			
DAIKIN	RZYCP560G	20	13.7	8	R410A	clean room			
Mitsubishi Heavy Industries	FDCXP1403CG	3	2.5	2	R410A	Swichboard room	Plastic manufacturer	32%	2015.7~8
DAIKIN	RZZP280BAE	10	5.3	3	R410A	Factory air conditioning	Electronic Materials Manufacturer	18%	2016.7~9
HITACHI	RAS-AP224EA	8	4.0	5	R410A	Factory air conditioning			
HITACHI	RAS-AP335SH3	12	7.2	5	R410A	Factory air conditioning			
HITACHI	RPV-AP280K	10	5.8	5	R410A	Factory air conditioning			
DAIKIN	RZYCP140AE	5	4.0	3	R407C	Factory air conditioning			
DAIKIN	FVCP224MKH	8	2.2	5	R410A	Factory air conditioning			
HITACHI	RAS-AP280DS1	10	6.0	5	R410A	Factory air conditioning			
HITACHI	RAS-AP400DS1	14	9.2	5	R410A	Factory air conditioning			
HITACHI	RAS-NP160FS2	6	3.0	5	R410A	Factory air conditioning			
DAIKIN	RZYP140AA	5	2.4	2	R410A	Factory air conditioning			
DAIKIN	UCDP315B	11	7.5	3	R407C	Factory air conditioning			
DAIKIN	FVCP560MK	20	14.4	3	R410A	Factory air conditioning			
DAIKIN	FVYCP140M	5	2.8	3	R410A	Factory air conditioning			
DAIKIN	FRYP280A	10	4.9	3	R410A	Factory air conditioning			
DAIKIN	FHP280CB	10	5.3	3	R410A	Factory air conditioning			
HITACHI	RP-P1000WP	36	22.5	2	R407C	Factory air conditioning			
HITACHI	RP-P500WP	18	11.9	2	R407C	Factory air conditioning			
HITACHI	RP-P1250WP	45	30.0	3	R407C	Factory air conditioning			
DAIKIN	FVYP140P	5	3.3	3	R410A	Factory air conditioning			
HITACHI	RAS-NP800FS2	29	25.4	5	R410A	Factory air conditioning			
HITACHI	RAS-NP500FS	18	11.5	5	R410A	Factory air conditioning			
DAIKIN	RZCP224MK	16	11.4	3	R410A	Factory air conditioning			
DAIKIN	RSXYP140P	5	3.0	5	R410A	Factory air conditioning			
DAIKIN	RZCP280M	10	7.2	5	R410A	Factory air conditioning			
DAIKIN	RSXYP335P	12	7.3	5	R410A	Factory air conditioning			
DAIKIN	FVYCP560M	20	13.3	3	R410A	Factory air conditioning			
DAIKIN	FVCP450MK	16	14.4	3	R410A	Factory air conditioning			
DAIKIN	RZYP224P	8	1.2+4.5	5	R410A	Experiment room	Concrete products manufacturer	18%	2016.7~9
DAIKIN	RYJ280F	10	7.5	10	R410A	Constant temperature and humidity chamber			
DAIKIN	RYP140CA	3	2.4	5	R410A	Constant temperature chamber			
DAIKIN	RYP113P	3	2.4	5	R410A	Experiment room	textile factory	18%	2016.7~10
HITACHI	RAS-AP280H1	8	5.8	10	R410A	Factory air conditioning			
HITACHI	RAS-AP2560GS	20	4.8+4.2×2	10	R410A	cooling of machine			
MITSUBISHI	PUHV-P400SDM-E	10	7.4	10	R411A	cooling of textile machine			
MITSUBISHI	PUHV-P450SDM-E	11	8.4	10	R412A	machine	rechargeable battery plant	19%	2016.7~9
DAIKIN	RZYP224K	8	0.9+4.5	5	R410A	Experiment room			
DAIKIN	RZYCP280P	8	1.6+4.5	5	R410A	Experiment room			
DAIKIN	RZYP224AA	5	3.4	10	R410A	Experiment room			
DAIKIN	RZYP280AA	10	2.5+4.5	10	R410A	Experiment room			
DAIKIN	RZYP280AA	10	2.5+4.5	10	R410A	Experiment room			
DAIKIN	RZYP280K	10	2.5+4.5	10	R410A	Experiment room			
DAIKIN	RCMP236M	10	2.4+4.5	10	R410A	Experiment room			
TOSHIBA	TAM1000CA-SH	10	7.4	3	R410A	power room			
DAIKIN	RZXP335A	10	3.3+4.5	2	R410A	power room			
DAIKIN	RXMP335B	10	7.2	2	R410A	power room			
DAIKIN	RXMP500B	15	4.8+6.1	2	R410A	power room			
DAIKIN	RXMP450B	15	4.5+4.4	2	R410A	power room			
Installed Units Number				394					

Installation Target Model		HosePower	Compressor output	Units Number	Refrigerant	Application	Business Area	Reduction effect	Measurement period
Maker	Model Name	HP	kW						
DAIKIN	RZYP280BA	8	5.31	2	R410A	power room	rechargeable battery manufacturer	19%	2016.7~9
DAIKIN	RZYP280BA	8	5.31	2	R410A	Factory air conditioning			
DAIKIN	RZYP280BA	8	5.31	2	R410A	Factory air conditioning			
DAIKIN	RZYP224BA	5	3.87	2	R410A	Factory air conditioning			
DAIKIN	RZYP280BA	8	5.31	2	R410A	Factory air conditioning			
DAIKIN	RZYP280BA	8	5.31	2	R410A	Factory air conditioning			
HITACHI	KX-5A2	5	3.7	2	R410A	Factory air conditioning			
DAIKIN	UWAXP190B	12	3.75+4.5	2	R410A	Factory air conditioning			
DAIKIN	RZYP560J2	6	4.9	10	R410A	Factory air conditioning			
DAIKIN	RZYP560J1	11	8.4	10	R410A	Factory air conditioning			
DAIKIN	RJ224K	10	7.2	5	R410A	power room			
Mayekawa	MHS22CW	30	22.0	5	R22	Factory air conditioning	Seafood processing	18%	2017.2~4
EUROCHILLER	ABF30	10	7.5	1	R407	Embedded chiller	Film processing factory		To be measured in summer
Made in Italy	chiller	60	48.0	1	R407	Embedded chiller	Egg processing plant		To be measured in summer
DAIKIN	RZCP280MK	10	2.2+4.5	5	R410A	Server room air conditioning	Machine manufacturer		To be measured in summer
ORION	RKE3750A-V	3	2.2	1	R410A	Air conditioning	Electronic materials maker		Measured by customer
DAIKIN	SVMP236	10	7.5	5	R407C	Chiller	Electronic materials maker		To be measured in summer
DAIKIN	RZZP224CC	5	3.8	3	R410A	Air conditioning	Major drink manufacturer	11%	2017.8
TOSHIBA Carrier	RDA-SPE2805HF	10	2.7+2.7	1	R410A	Air conditioning	Manufacturer		
HITACHI	RP-AP1120CKVP	40	(4.8+4.4) ×2+7.2	1	R410A	Air conditioning	Manufacturer		
DAIKIN	RZZP224CC	5	3.8	1	R410A	Air conditioning	Non-ferrous metal manufacturer	18%	
TOSHIBA Carrier	RDA-A5603H	20	(2.7+2.7) ×2	1	R410A	Air conditioning	Major auto parts manufacturer	15%	2017.8
TOSHIBA Carrier	RDA-A8003H	30		1	R410A	Air conditioning	Chiller manufacturer		Measured by customer
EUROCHILLER	ABF30	10	7.5	1	R407C	Embedded chiller	Chiller manufacturer		Measured by customer
Mayekawa	MHS22CW	30	22.0	1	R407C	Freezer	Seafood processing		
Mayekawa	MHS37CW	50	37.0	1	R407C	Freezer	Seafood processing	12%	2017.10
MIURA	CR-3-HS	30		1	R407C	Chiller	Food Processing	16.6%	2017.11
Copeland	chiller	25	18.0	1	R407C	Embedded chiller	Auto parts manufacturer		Measured by customer
MITSUBISHI	ECV-EN260A	30	7.45×3	1	R410A	Freezer	Supermarket	15.80%	2018.2~3

Installed Units Number	73
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Total Installed Units Number	730
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