

# Compressor, sh307mv-c7hu1g, sh307mv, r22, 1 ph, 6000 w, 18000 btu/h

Category: compressor

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Applicable air conditioners: constant speed 1.5-2.0 hp, variable frequency 2.5-3.0HP; Utilizing various environmental friendly refrigerants like R22, R410A, R407C, With various power specification to be selected, Variable frequency utilizing R410A, dual spool structure, high efficiency, environmental friendliness and small vibration.

Constant-Speed/R22 230V 50Hz

6400 w  
21837 btu/h

Product number SH307MV-C7HU  
 Rated voltage: 220-240V  
 frequency: 50Hz  
 Phase: 1PH  
 use: T3 working condition  
 refrigerant: R-22  
 Exhaust volume: 30.7ml/rev  
 Rated cooling capacity (W): 5200  
 Allowable refrigerant charge: 1650g  
 net weight: 17.5kg  
 Motor form: SHW33K2/SHW83K1A  
 Voltage variation range: Rated voltage Rated voltage  $\hat{A}\pm 11\%$   
 Protector form: Built-in protector  
 Test conditions: 220V

Refrigeration capacity test conditions (R22)

Return air temperature 35.0 $\hat{a}$ „f  
 condensation temperature 54.4 $\hat{a}$ „f  
 Liquid temperature before expansion valve 46.1 $\hat{a}$ „f  
 Evaporation temperature 7.2 $\hat{a}$ „f  
 ambient temperature 35.0 $\hat{a}$ „f

Highly/Hitachi H series R22 fixed speed compressor product list:

model	use	refrigerant	exhaust volume	power supply	Cooling capacity		Remark
					W	BTU/h	
SH295UY-C7HU	T1 working condition	R-22	29.5ml/rev	230V/50Hz/1PH	5090	17356	Certification in progress
SH380MV-C7PU	T3 working condition	R-22	38.0ml/rev	220-240V/50Hz/1PH	6600	22506	Certification in progress
SH280MV-C7NQ	T3 working condition	R-22	28.0ml/rev	220-240V/50Hz/1PH	4815	16419	Certification in progress
SH410MV-C8LU	T3 working condition	R-22	41.0ml/rev	220-240V/50Hz/1PH	7165	24432	Certification in progress
SH315MV-C8LU	T3 working condition	R-22	31.5ml/rev	220-240V/50Hz/1PH	5470	18652	Certification in progress
TH380MV-C8FU	T3 working condition	R-22	38.0ml/rev	220-240V/50Hz/1PH	6590	22471	Certification in progress
TH380MV-C8FQ	T3 working condition	R-22	38.0ml/rev	220-240V/50Hz/1PH	6590	22471	Certification in progress
SH315MV-C8LG	T3 working condition	R-22	31.5ml/rev	220-240V/50Hz/1PH	5470	18652	Certification in progress
SH417GV-C8DUT	T1 working condition	R-22	41.7ml/rev	220-240V/50Hz/1PH	7200	24552	Certification in progress

SH380MV-C7PG	T3 working condition	R-22	38.0ml/rev	220-240V/50Hz/1PH	6600 22506	Certification in progress
SH370UY-C7PU1	T1 working condition	R-22	37.0ml/rev	230V/50Hz/1PH	6440 21960	Certification in progress
SH410UV-C8DG	T1 working condition	R-22	41.0ml/rev	220-240V/50Hz/1PH	7050 24040	Certification in progress
SH380RY-C8DU1 IN	T1 working condition	R-22	38.0ml/rev	230V/50Hz/1PH	6530 22267	Certification in progress
SH336MV-C7AG2	T3 working condition	R-22	33.6ml/rev	220-240V/50Hz/1PH	5810 19812	Certification in progress
SH307UV-C7HQ1	T1 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5230 17834	Certification in progress
SH417UV-C8DG	T1 working condition	R-22	41.7ml/rev	220-240V/50Hz/1PH	7140 24347	Certification in progress
SH325UV-C7HL	T1 working condition	R-22	32.5ml/rev	220-240V/50Hz/1PH	5600 19096	Certification in progress
SH310UV-C8DU	T1 working condition	R-22	31.0ml/rev	220-240V/50Hz/1PH	5300 18073	Certification in progress
SH286RY-C7PU2A	T1 working condition	R-22	28.6ml/rev	230V/50Hz/1PH	4880 16640	Certification in progress
TH454RV-C9EU	T1 working condition	R-22	45.4ml/rev	220-240V/50Hz/1PH	7630 26018	Certification in progress
TH508MV-C9EU1	T3 working condition	R-22	50.8ml/rev	220-240V/50Hz/1PH	8750 29837	Certification in progress
SH290UY-C7HUA	T1 working condition	R-22	29.0ml/rev	230V/50Hz/1PH	4960 16913	Certification in progress
SH315UY-C7NU	T1 working condition	R-22	31.5ml/rev	230V/50Hz/1PH	5410 18448	Certification in progress
ASH244MV-C7HU	T3 working condition	R-410A	24.4ml/rev	220-240V/50Hz/1PH	5930 20221	Certification in progress
SH300UY-C7PQA	T1 working condition	R-22	29.8ml/rev	230V/50Hz/1PH	5100 17391	Certification in progress
SH325UV-C8DU	T1 working condition	R-22	32.5ml/rev	220-240V/50Hz/1PH	5600 19096	Certification in progress
SH307DG-C8LUA	T3 working condition	R-22	30.5ml/rev	230V/60Hz/1PH	6400 21824	Certification in progress
SH370RY-C8LU	T1 working condition	R-22	37.1ml/rev	230V/50Hz/1PH	6395 21806	Certification in progress
SH255DG-C7HQ2	T3 working condition	R-22	25.5ml/rev	230V/60Hz/1PH	5380 18345	Certification in progress
SH325DG-C8LQ	T3 working condition	R-22	32.5ml/rev	230V/60Hz/1PH	6860 23392	Certification in progress

SH401MY-C7NQH	T1 working condition	R-22	40.1ml/rev	230V/50Hz/1PH	6950 23699	Certification in progress
SHV73YC2GU	T1 working condition	R-22	41.7ml/rev	208-230V/60Hz/1PH	8520 29053	Certification in progress
SH356UV-C8LU	T1 working condition	R-22	35.6ml/rev	220-240V/50Hz/1PH	6090 20766	Certification in progress
SH264DG-C7HG2G	T3 working condition	R-22	26.4ml/rev	230V/60Hz/1PH	5550 18925	Certification in progress
SH300DG-C7HUA	T3 working condition	R-22	29.8ml/rev	230V/60Hz/1PH	6290 21448	Certification in progress
SH370UY-C8LU	T1 working condition	R-22	37.1ml/rev	230V/50Hz/1PH	6380 21755	Certification in progress
SH336MV-C7HG1	T3 working condition	R-22	33.6ml/rev	220-240V/50Hz/1PH	5750 19607	Certification in progress
SH255DG-C7HQ1	T3 working condition	R-22	25.5ml/rev	230V/60Hz/1PH	5350 18243	Certification in progress
SH264DG-C7HQ1	T3 working condition	R-22	26.4ml/rev	230V/60Hz/1PH	5580 19027	Certification in progress
SH438MV-C8CU	T3 working condition	R-22	43.8ml/rev	220-240V/50Hz/1PH	7480 25506	Certification in progress
SH295GV-C7HQ1A	T1 working condition	R-22	29.5ml/rev	220V/50Hz/1PH	5180 17663	Certification in progress
SH330DG-C8LU	T3 working condition	R-22	33.0ml/rev	230V/60Hz/1PH	6950 23699	Certification in progress
SH325DG-C8LU	T3 working condition	R-22	32.5ml/rev	230V/60Hz/1PH	6860 23392	Certification in progress
SH336MV-C7PU1	T3 working condition	R-22	33.6ml/rev	220-240V/50Hz/1PH	5750 19607	Certification in progress
SH300UY-C7HUA	T1 working condition	R-22	29.8ml/rev	230V/50Hz/1PH	5100 17391	Certification in progress
SH280UY-C7HUA	T1 working condition	R-22	28.0ml/rev	230V/50Hz/1PH	4810 16402	Certification in progress
SH356DG-C8DQ3	T3 working condition	R-22	35.6ml/rev	230V/60Hz/1PH	7450 25404	Certification in progress
SH325DG-C7HQG	T3 working condition	R-22	32.5ml/rev	230V/60Hz/1PH	6860 23392	Certification in progress
SH307HV-C7HG1A	T1 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5300 18073	Certification in progress
SH264DG-C7HU2G	T3 working condition	R-22	26.4ml/rev	230V/60Hz/1PH	5550 18925	Certification in progress
SH356DG-C8DU3	T3 working condition	R-22	35.6ml/rev	230V/60Hz/1PH	7450 25404	Certification in progress

SH325DG-C7HQH	T3 working condition	R-22	32.5ml/rev	230V/60Hz/1PH	6860 23392	Certification in progress
SH286UY-C7HUA	T3 working condition	R-22	28.6ml/rev	230V/50Hz/1PH	4910 16743	Certification in progress
SH264DG-C7HQ1H	T3 working condition	R-22	26.4ml/rev	230V/60Hz/1PH	5580 19027	Certification in progress
SH295GV-C7HU1A	T1 working condition	R-22	29.5ml/rev	220V/50Hz/1PH	5180 17663	Certification in progress
SH255DG-C8LQ	T3 working condition	R-22	25.5ml/rev	230V/60Hz/1PH	5380 18345	Certification in progress
SHW33TC2-S2	T1 working condition	R-22	35.6ml/rev	220V/50Hz/1PH	5380 18345	Certification in progress
SH370GV-C8LU	T1 working condition	R-22	37.1ml/rev	220V/50Hz/1PH	6370 21721	Certification in progress
SH370DG-C8LU	T3 working condition	R-22	37.1ml/rev	220V/60Hz/1PH	7780 26529	Certification in progress
SH356MV-C7HQ1	T3 working condition	R-22	35.6ml/rev	220-240V/50Hz/1PH	6130 20903	Certification in progress
SH295GV-C7HUA	T1 working condition	R-22	29.5ml/rev	220V/50Hz/1PH	5155 17578	Certification in progress
SH264DG-C7HU1G	T3 working condition	R-22	26.4ml/rev	220V/60Hz/1PH	5520 18823	Certification in progress
SH370SV-C8LU	T1 working condition	R-22	37.1ml/rev	220-240V/50Hz/1PH	6410 21858	Certification in progress
SH336DG-C7PU1	T3 working condition	R-22	33.6ml/rev	220V/60Hz/1PH	7125 24296	Certification in progress
SH295RY-C7PU1A	T1 working condition	R-22	29.5ml/rev	230V/50Hz/1PH	5050 17220	Certification in progress
THU33WC6-S1	T1 working condition	R-22	48.09ml/rev	220-240V/50Hz/1PH	5050 17220	Certification in progress
SH356MV-C7NU	T3 working condition	R-22	35.6ml/rev	220-240V/50Hz/1PH	5050 17220	Certification in progress
SHW73TC2UP1	null	R-22	35.6ml/rev	208-230V/60Hz/1PH	5050 17220	Certification in progress
SH307RV-C8LU	T1 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5050 17220	Certification in progress
THK33XC6-G	null	R-22	45.4ml/rev	200-240V/50Hz/1PH	5050 17220	Certification in progress
SH356DG-C8LU	T3 working condition	R-22	35.6ml/rev	220V/60Hz/1PH	5050 17220	Certification in progress
SH336DG-C8LU	T3 working condition	R-22	33.6ml/rev	220V/60Hz/1PH	5050 17220	Certification in progress

SH286DG-C7HU	T3 working condition	R-22	28.6ml/rev	220V/60Hz/1PH	5895 20101	Certification in progress
SHV73YC1-E	T3 working condition	R-22	41.7ml/rev	208-230V/60Hz/1PH	8520 29053	Certification in progress
SH307MV-C7HU	T3 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5200 17732	Certification in progress
SHY33MC2US	T1 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5200 17732	Certification in progress
SH336MV-C8LU	T3 working condition	R-22	33.6ml/rev	220-240V/50Hz/1PH	5655 19283	Certification in progress
SHX33SC2US	T1 working condition	R-22	33.6ml/rev	220-240V/50Hz/1PH	5710 19471	Certification in progress
SHY33MC2-S	T1 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5200 17732	Certification in progress
SHX33SC2UU	T1 working condition	R-22	33.6ml/rev	220-240V/50Hz/1PH	5630 19198	Certification in progress
SHV33YC6-S	T1 working condition	R-22	41.7ml/rev	220V/50Hz/1PH	7020 23938	Certification in progress
SHV33ZC1-S	T1 working condition	R-22	40.0ml/rev	220V/50Hz/1PH	6770 23085	Certification in progress
SHZ33LC2-S	T1 working condition	R-22	28.6ml/rev	220-240V/50Hz/1PH	4820 16436	Certification in progress
SHW73TC2UU	T1 working condition	R-22	35.6ml/rev	208-230V/60Hz/1PH	7305 24910	Certification in progress
SHV73YC1-U	T1 working condition	R-22	41.7ml/rev	208-230V/60Hz/1PH	8520 29053	Certification in progress
SHW33TC4-S	T1 working condition	R-22	35.6ml/rev	220V/50Hz/1PH	6058 20657	Certification in progress
SHY33MC2UU	T1 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5165 17612	Certification in progress
SHW73TC4-E	T3 working condition	R-22	35.6ml/rev	208-230V/60Hz/1PH	7330 24995	Certification in progress
SHW73TC9GU	T1 working condition	R-22	35.6ml/rev	208-230V/60Hz/1PH	7440 25370	Certification in progress
SHW83TC4-P1	T3 working condition	R-22	35.6ml/rev	220V/60Hz/1PH	7330 24995	Certification in progress
SHV33ZC1-U	T1 working condition	R-22	40.0ml/rev	220V/50Hz/1PH	6740 22983	Certification in progress
SHV33YC1-E	T3 working condition	R-22	41.7ml/rev	220-240V/50Hz/1PH	6950 23699	Certification in progress
SHW33TC4-E	T3 working condition	R-22	35.6ml/rev	220-240V/50Hz/1PH	6090 20766	Certification in progress

SHZ33QC2-G	T1 working condition	R-22	27.5ml/rev	220V/50Hz/1PH	4620 15754	Certification in progress
SHV33YC6-U	T1 working condition	R-22	41.7ml/rev	220-240V/50Hz/1PH	7100 24211	Certification in progress
SHY33MC2-E	T3 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5200 17732	Certification in progress
SHY73MC4-U	T1 working condition	R-22	30.7ml/rev	208-230V/60Hz/1PH	6615 22557	Certification in progress
SHW73TC4-U	T1 working condition	R-22	35.6ml/rev	208-230V/60Hz/1PH	7440 25370	Certification in progress
SHV33YC6-G	T1 working condition	R-22	41.7ml/rev	220V/50Hz/1PH	7100 24211	Certification in progress
SHZ73LC2-U	T1 working condition	R-22	28.6ml/rev	208-230V/60Hz/1PH	5935 20238	Certification in progress
SHY33MC2-U	T1 working condition	R-22	30.7ml/rev	220-240V/50Hz/1PH	5165 17612	Certification in progress
SHZ33LC2-U	T1 working condition	R-22	28.6ml/rev	220-240V/50Hz/1PH	4820 16436	Certification in progress
SHW33TC2-U(invalid)	T1 working condition	R-22	35.6ml/rev	220-240V/50Hz/1PH	5990 20425	Certification in progress

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### Constant-Speed/India/R22 230V 50Hz

Series	Model	Displacement (cc/rev)	Cooling capacity (w)	Cooling capacity (btu/h)	Cop	Capacitor (Hf/v)	Height (mm)	Test condition
	SH286RY-C7PU1A	28.6	4900	16719	3.27	45/450	307.8	ASHRAE/T
	SH295RY-C7PUA	29.5	5060	17265	3.24	35/450	293.4	ASHRAE/T
	SH295RY-C7PU1A	29.5	5035	17179	3.25	45/450	307.8	ASHRAE/T
	SH307RY-C8DUA	30.7	5250	17913	3.26	45/450	307.8	ASHRAE/T
	SH370RY-C8LU	37	6400	21837	3.25	65/450	320.9	ASHRAE/T
H	SH380RY-C8DU	38	6555	22366	3.24	50/450	320.9	ASHRAE/T
	SH417RY-C8DU	41.7	7160	24430	3.21	45/450	330.9	ASHRAE/T
	SH280UY-C7HUA	28	4810	16412	16412	45/450	307.8	ASHRAE/T
	SH286UY-C7PUA	28.6	4930	16821	3.36	45/450	307.8	ASHRAE/T
	SH300UY-C7HUA	30	5100	17401	3.36	45/450	307.8	ASHRAE/T
	SH370UY-C8LU	37	6400	21837	3.3	60/450	330.9	ASHRAE/T

### Constant-Speed/India/R22/Tropical 230V 50Hz

Series	Model	Displacement (cc/rev)	Cooling capacity (w)	Cooling capacity (btu/h)	Cop	Capacitor (Hf/v)	Height (mm) Test condition	Test condition
H	SH307MV*1	30.7	5250	17913	3.2	45/450	293.4	ASHRAE/T
	SH336MV-1	33.6	5750	19619	3.18	55/450	307.8	ASHRAE/T
	SH356MVM	35.6	6130	20916	3.11	50/450	307.8	ASHRAE/T
	SH417MV-1	41.7	7170	24464	3.17	65/450	330.9	ASHRAE/T

### Constant-Speed/R32 220V/240V 50Hz

Series	Model	Displacement (cc/rev)	Cooling capacity (w)	Cooling capacity (btu/h)	Cop	Capacitor (Hf/v)	Height (mm) Test condition	Test condition
H	GSH190TV	19.0	4954	16903	3.00	40/450	293.5	ASHRAE/T
	GSH232SV	23.2	5896	20117	2.91	60/400	298.5	ASHRAE/T

### Constant-Speed/India/R41 0A 230V 50Hz

Series	Model	Displacement (cc/rev)	Cooling capacity (w)	Cooling capacity (btu/h)	Cop	Capacitor (Hf/v)	Height (mm) Test condition	Test condition
H	ASH184TV	18.4	4440	15149	2.96	40/450	293.5	ASHRAE/T
	ASH193TV	19.3	4575	15610	2.96	40/450	293.5	ASHRAE/T
	ASH201RY	20.1	4845	16531	2.95	40/450	293.5	ASHRAE/T
	ASH210RY	21.0	5120	17469	2.98	40/450	293.5	ASHRAE/T
	ASH244RY	24.4	5770	19687	2.95	55/450	301.1	ASHRAE/T

### Constant-Speed/R290 220V/240V 50Hz

Series	Model	Displacement (cc/rev)	Cooling capacity (w)	Cooling capacity (btu/h)	Cop	Capacitor (Hf/v)	Height (mm) Test condition	Test condition
H	PSH307CV-C7HU	30.7	4566	15579	3.22	60/450	307.8	ASHRAE/T
	PSH307HV-C8DU	30.7	4565	15576	3.45	45/450	307.8	ASHRAE/T

### Constant-Speed/Middle East/R22 230V 60Hz

Series	Model	Displacement (cc/rev)	Cooling capacity (w)	Cooling capacity (btu/h)	Cop	Capacitor (Hf/v)	Height (mm) Test condition	Test condition
H	SH264DG*2	26.4	5550	18937	3.2	40/450	288.4	ASHRAE/T
	SH307DG*1	30.7	6580	22451	3.22	55/450	307.8	ASHRAE/T
	SH325DG	32.5	6860	23406	3.22	55/450	307.8	ASHRAE/T
	SH356DG-3	35.6	7450	25419	3.24	50/450	317.8	ASHRAE/T



