

ENGINEERING
TOMORROW

Danfoss

Quick reference

Danfoss scroll compressors **SH series**

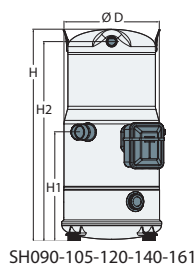
R410A - 60 Hz



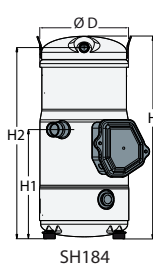
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Quick reference

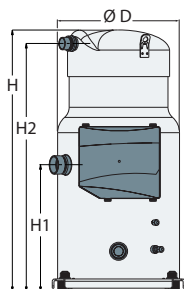
Product range single compressors



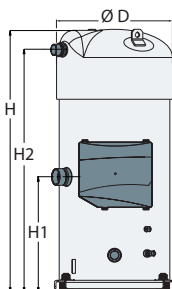
SH090-105-120-140-161



SH184



SH180-240-295



SH380-485

Model	D	H	H1	H2
SH090	243	482	235	451
SH105	243	540	278	509
SH120	243	540	278	509
SH140	243	540	278	509
SH161	243	540	278	509
SH184	243	555	300	525
SH180	318	683	331	648
SH240	318	683	331	648
SH295	318	683	331	648
SH380	333	755	331	697
SH485	333	755	331	697

All dimensions in mm

Motor voltage code	Code 3	Code 4	Code 7	Code 9
Nominal voltage	200-230V - 3 ph	460V - 3 ph	575V - 3 ph	380V - 3ph
Voltage range	180 - 253V	415 - 506V	517- 632 V	342 - 418 V

Technical specifications

Model	Nominal tons 60 Hz	Nominal cooling capacity		Power input	COP	E.E.R.	Swept volume	Displacement ①	Oil charge	Net weight ②
	TR	W	Btu/h	kW	W/W	Btu/h/W	cm ³ /rev	m ³ /h	dm ³	kg
SH090	7.5	27100	92500	8.57	3.16	10.78	88.40	18.60	3.0	58.0
SH105	9	32100	109600	9.96	3.22	10.99	103.50	21.80	3.3	64.0
SH120	10	36800	125600	11.25	3.27	11.16	116.90	24.60	3.3	64.0
SH140	12	42300	144400	12.77	3.31	11.30	133.00	27.90	3.3	67.0
SH161	13	47200	161100	14.43	3.27	11.16	151.70	31.90	3.3	69.0
SH184	15	54000	184300	16.45	3.28	11.19	170.30	35.80	3.6	71.5
SH180	15	54300	185300	16.58	3.27	11.16	170.20	35.70	6.7	108.0
SH240	20	72200	246400	22.10	3.27	11.16	227.60	47.80	6.7	108.0
SH295	25	88500	302000	27.21	3.25	11.09	276.20	58.00	6.7	111.0
SH380	30	109600	374100	33.99	3.22	10.99	345.00	72.30	6.7	159.0
SH485	40	140600	479900	43.28	3.25	11.09	442.60	92.90	6.7	175.0

① Displacement at nominal speed: 3500 rpm at 60 Hz

② Net weight with oil charge

TR: Ton of Refrigeration,
EER: Energy Efficiency Ratio
COP: Coefficient Of Performance,

Standard rating conditions: ARI standard
Refrigerant: R410A

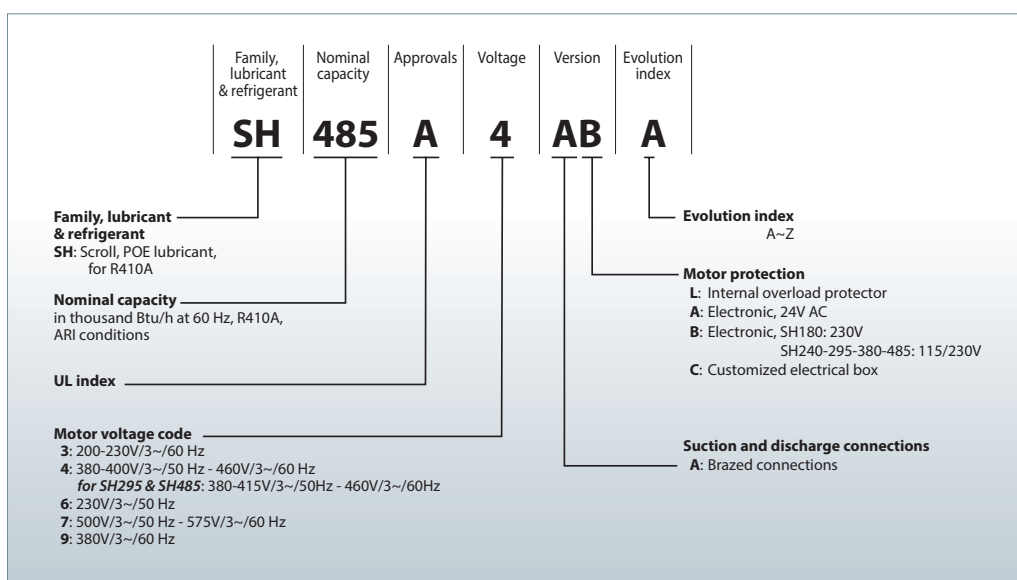
Evaporating temperature: 7.2 °C
Condensing temperature: 54.4 °C

Superheat: 11.1 K
Subcooling: 8.3 K

Subject to modification without prior notification.

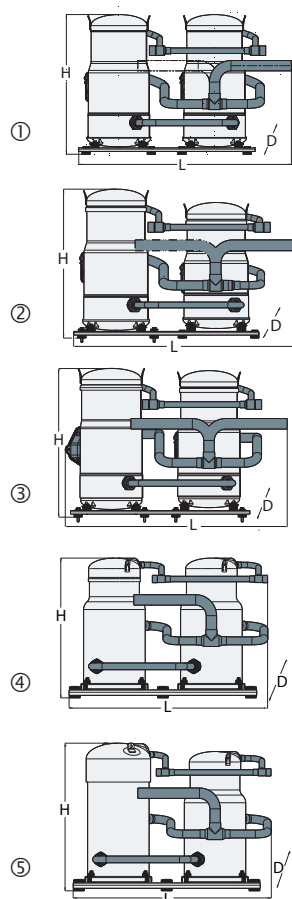
For full data details and capacity tables refer to Online Datasheet Generator: www.danfoss.com/odsg

Nameplate reference



Quick reference

Product range tandem compressors



Outline n°	Model	Composition	Voltage code				Dimensions (mm)		
			3	4	7	9	L	D	H
			220-230/3/60	400/3/50 460/3/60	500/3/50 575/3/60	380/3/60			
①	SH182	2 x SH090	○	○	○	○	844	446	514
	SH212	2 x SH105	○	○	○	○	844	446	564
	SH242	2 x SH120	○	○	○	○	844	446	564
	SH282	2 x SH140	○	○	○	○	844	446	564
	SH322	2 x SH161	○	○	○	○	844	446	564
②	SH195	SH090 + SH105	○	○	○	○	842	469	564
	SH210	SH090 + SH120	○	○	○	○	842	469	564
	SH230	SH090 + SH140	○	○	○	○	842	469	564
	SH260	SH120 + SH140	○	○	○	○	842	469	564
	SH281	SH120 + SH161	○	○	○	○	842	469	564
③	SH301	SH140 + SH161	○	○	○	○	842	469	564
	SH304	SH120 + SH184	○	○	○	○	866	473	580
	SH324	SH140 + SH184	○	○	○	○	866	473	580
	SH345	SH161 + SH184	○	○	○	○	866	473	580
	SH368	2 x SH184	○	○	○	○	866	473	580
④	SH360	2 x SH180	○	○	○	○	1025	527	731
	SH482	2 x SH240	○	○	○	○	1025	527	731
	SH590	2 x SH295	○	○	○	○	1025	527	731
	SH760	2 x SH380	○	○	○	○	1025	527	803
	SH420	SH180 + SH240	○	○	○	○	1025	527	731
⑤	SH475	SH180 + SH295	○	○	○	○	1025	527	731
	SH535	SH240 + SH295	○	○	○	○	1025	527	731
	SH560	SH380 + SH180	○	○	○	○	1025	527	803
	SH620	SH240 + SH380	○	○	○	○	1025	527	803
	SH675	SH295 + SH380	○	○	○	○	1025	527	803
	SH725	SH240 + SH485	○	○	○	○	1025	546	803
	SH780	SH295 + SH485	○	○	○	○	1025	546	803
	SH865	SH380 + SH485	○	○	○	○	1025	553	803
	SH970	SH485 + SH485	○	○	○	○	1025	553	803

○ Tandems to be achieved by assembly of individual compressors. Specific outline drawings of tandems and trio units

Technical specifications

Model	Nominal tons 60 Hz TR	Nominal cooling capacity		Power input kW	Efficiency		Swept volume cm ³ /rev	Displacement m ³ /h	Oil charge dm ³
		W	Btu/h		COP W/W	E.E.R. Btu/h/W			
SH182	15	53700	183300	17.14	3.13	10.68	176.8	37.13	6.0
SH195	16	58700	200300	18.53	3.17	10.82	191.9	40.30	6.3
SH210	17.5	63300	216000	19.82	3.19	10.89	205.3	43.11	6.3
SH212	17.5	63600	217100	19.91	3.19	10.89	207.0	43.47	6.6
SH230	19	68800	234800	21.34	3.22	10.99	221.4	46.47	6.3
SH242	20	72800	248500	22.49	3.24	11.06	233.8	49.10	6.6
SH260	21.5	78300	267200	24.01	3.26	11.13	249.9	52.46	6.6
SH281	23.5	83100	283600	25.68	3.24	11.06	268.6	56.41	6.6
SH282	23.5	83800	286000	25.53	3.28	11.19	266.0	55.82	6.6
SH301	25	88600	302400	27.20	3.26	11.13	284.7	59.77	6.6
SH304	25.5	89900	306800	27.70	3.25	11.09	287.2	60.31	6.9
SH322	27	93500	319100	28.86	3.24	11.06	303.4	63.71	6.6
SH324	27	95400	325600	29.22	3.27	11.16	303.3	63.67	6.9
SH345	29	100200	342000	30.88	3.25	11.09	322.0	67.62	6.9
SH360	30	107600	367200	33.17	3.24	11.06	340.4	71.48	13.4
SH368	30.5	107000	365200	32.90	3.25	11.09	340.6	71.53	7.2
SH420	35	125400	428000	38.68	3.24	11.06	397.8	83.54	13.4
SH475	39.5	141500	482900	43.79	3.23	11.02	446.4	93.74	13.4
SH482	40	143100	488400	44.20	3.24	11.06	455.2	95.59	13.4
SH535	44.5	159300	543700	49.31	3.23	11.02	503.8	105.80	13.4
SH560	46.5	162400	554300	50.58	3.21	10.96	515.2	108.19	13.9
SH590	49	175400	598600	54.41	3.22	10.99	552.4	116.00	13.4
SH620	51.5	180200	615000	56.09	3.21	10.96	572.6	120.25	13.9
SH675	56.5	196300	670000	61.20	3.21	10.96	621.2	130.45	13.9
SH725	60	210800	719500	65.38	3.23	11.02	670.2	140.74	13.4
SH760	63.5	217300	741600	67.98	3.2	10.92	690.0	144.90	14.4
SH780	65	227000	774700	70.48	3.22	10.99	718.8	150.95	13.4
SH865	70	247900	846100	77.27	3.21	10.96	787.6	165.40	13.9
SH970	80	278600	950900	86.56	3.22	10.99	885.2	185.89	13.4

① Displacement at nominal speed: 3500 rpm at 60 Hz

TR= Ton of Refrigeration
Rating conditions: SH compressors
Evaporating temperature: 7.2 °C

COP= Coefficient Of Performance
Refrigerant: R410A
Condensing temperature: 54.4 °C

Frequency: 60 Hz
Sub-cooling: 8.3 K

Standard rating conditions: ARI standard
Superheat: 11.1 K

Subject to modification without prior notification. For full data details and capacity tables refer to Online Datasheet Generator <http://cc.danfoss.com>

Quick reference

Technical data single compressors

Model	To	-20		-15		-10		-5		0		5		10		15	
	Tc	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe
SH090-4	35	11500	5.5	14400	5.6	17800	5.6	21800	5.7	26400	5.7	31600	5.8	37600	5.9	44400	6.0
	45	10000	6.8	12700	6.9	15800	6.9	19500	6.9	23600	7.0	28500	7.0	33900	7.1	40200	7.2
	55	-	-	-	-	13500	8.6	16800	8.6	20500	8.6	24800	8.7	29700	8.7	35300	8.8
SH105-4	35	14200	6.5	17500	6.6	21400	6.7	25900	6.8	31000	6.9	37000	7.0	43700	7.0	51300	7.1
	45	12500	7.9	15600	7.9	19200	8.0	23300	8.1	28000	8.2	33500	8.3	39700	8.4	46800	8.5
	55	-	-	-	-	16600	9.8	20300	9.8	24500	9.9	29400	10.0	35100	10.1	41500	10.3
SH120-4	35	16000	7.2	19900	7.3	24500	7.4	29800	7.5	35800	7.7	42800	7.8	50700	8.1	59700	8.3
	45	14000	8.8	17600	8.9	21800	9.0	26600	9.1	32200	9.2	38500	9.4	45700	9.5	53900	9.8
	55	-	-	-	-	18700	11.1	23000	11.1	28000	11.2	33700	11.3	40100	11.5	47500	11.6
SH140-4	35	19100	8.2	23400	8.3	28500	8.4	34400	8.6	41200	8.7	49000	8.9	57900	9.0	67900	9.2
	45	16900	10.0	20900	10.1	25500	10.2	30900	10.3	37100	10.5	44300	10.6	52400	10.8	61700	11.0
	55	-	-	-	-	22100	12.5	26900	12.6	32400	12.7	38800	12.8	46100	13.0	54500	13.2
SH161-4	35	21400	9.2	26300	9.3	32100	9.5	38700	9.6	46400	9.7	55200	9.9	65200	10.1	76600	10.3
	45	18700	11.4	23300	11.5	28500	11.6	34600	11.7	41600	11.8	49600	11.9	58800	12.1	69200	12.2
	55	-	-	-	-	24500	14.3	29900	14.4	36100	14.5	43200	14.6	51500	14.7	60800	14.8
SH180-4	35	23400	10.9	29300	10.9	36100	10.9	44000	11.0	53200	11.0	63600	11.0	75500	11.1	88900	11.1
	45	20300	13.5	25700	13.5	31900	13.5	39200	13.5	47600	13.6	57200	13.6	68100	13.6	80400	13.7
	55	-	-	-	-	27200	16.9	33600	16.8	41100	16.8	49600	16.8	59400	16.8	70600	16.8
SH184-4	35	24500	10.4	30100	10.7	36600	10.9	44100	11.1	52700	11.3	62600	11.5	73800	11.7	86500	11.8
	45	21600	12.7	26700	12.9	32700	13.1	39500	13.3	47500	13.5	56500	13.8	66800	14.0	78500	14.2
	55	-	-	-	-	28300	15.9	34400	16.1	41500	16.3	49600	16.5	58900	16.8	69500	17.0
SH240-4	35	32800	14.3	40400	14.4	49200	14.5	59400	14.6	71200	14.7	84600	14.9	100000	15.2	117300	15.6
	45	28800	17.5	35700	17.7	43800	17.8	53000	17.9	63700	18.0	75900	18.1	89900	18.3	105800	18.6
	55	-	-	-	-	37800	21.9	46000	22.1	55400	22.2	66300	22.3	78700	22.5	93000	22.7
SH295-4	35	40300	17.4	49600	17.7	60300	17.9	72800	18.1	87200	18.4	103700	18.8	122400	19.4	143700	20.2
	45	35500	21.2	43900	21.6	53700	21.8	65000	22.0	78000	22.3	93000	22.5	110100	22.9	129400	23.5
	55	-	-	-	-	46400	26.6	56400	26.9	68000	27.2	81300	27.4	96500	27.7	113800	28.1
SH380-4	35	48700	22.2	60200	22.4	73600	22.7	89200	23.0	107100	23.4	127600	23.8	151000	24.2	177500	24.6
	45	42800	27.1	53300	27.2	65400	27.4	79600	27.7	96000	28.0	114800	28.3	136300	28.7	160800	29.2
	55	-	-	-	-	56400	33.5	68900	33.7	83500	33.9	100400	34.2	119900	34.6	142100	35.0
SH485-4	35	63100	28.0	77700	28.4	94700	28.8	114500	29.2	137400	29.5	163800	29.6	193900	29.3	228200	28.7
	45	55800	34.2	69100	34.4	84500	34.8	102400	35.2	123200	35.7	147100	36.0	174500	36.2	205800	36.1
	55	-	-	-	-	73300	42.4	89200	42.7	107600	43.1	129000	43.6	153500	44.0	181700	44.2

To: Evaporating temperature in °C
Tc: Condensing temperature in °C

Qo: Cooling capacity in W
Pe: Power input in kW

Superheat = 11.1 K
Subcooling = 8.3 K

Voltage: 460 V / 3 / 50 Hz

Further reference



Compressor model	Connections	Mounting feet	Motor protection	Nbr	Code no. for Industrial pack			Code no. for Single pack			
					3	4	9	3	4	7	9
					200-230/3/60	460/3/60 380-400/3/50	380/3/60	200-230/3/60	460/3/60 380-400/3/50	575/3/60 500/3/50	380/3/60
SH090	Brazed	Flexible	Internal	8	120H0002	120H0004	120H0010	120H0001	120H0003	120H0007	120H0009
SH105	Brazed	Flexible	Internal	8	120H0210	120H0212	120H0218	120H0209	120H0211	120H0215	120H0217
SH120	Brazed	Flexible	Internal	8	120H0012	120H0014	120H0020	120H0011	120H0013	120H0017	120H0019
SH140	Brazed	Flexible	Internal	8	120H0200	120H0202	120H0208	120H0199	120H0201	120H0205	120H0207
SH161	Brazed	Flexible	Internal	8	120H0022	120H0024	120H0030	120H0021	120H0023	120H0027	120H0029
SH184	Brazed	Flexible	Internal	8	120H0360	120H0362	120H0368	120H0359	120H0361	120H0365	120H0367
SH180 ①	Brazed	Rigid	Module 24V AC *	6	120H0266	120H0268	120H0272	120H0265	120H0267	120H0269	120H0271
	Brazed	Rigid	Module 230V *	6	120H0274	120H0276	120H0280	120H0273	120H0275	120H0277	120H0279
SH240 ①	Brazed	Rigid	Module 24V AC *	6	120H0290	120H0292	120H0296	120H0289	120H0291	120H0293	120H0295
	Brazed	Rigid	Module 115-230V *	6	120H0298	120H0300	120H0304	120H0297	120H0299	120H0301	120H0303
SH295 ①	Brazed	Rigid	Module 24V AC *	6	120H0852	120H0826	120H0842	120H0851	120H0825	120H0833	120H0841
	Brazed	Rigid	Module 115-230V *	6	120H0854	120H0828	120H0844	120H0853	120H0827	120H0835	120H0843
SH380 ①	Brazed	Rigid	Module 24V AC *	4	120H0250	120H0254	120H0262	120H0151	120H0253	120H0257	120H0261
	Brazed	Rigid	Module 115-230V *	4	120H0252	120H0256	120H0264	120H0152	120H0255	120H0259	120H0263
SH485 ①	Brazed	Rigid	Module 24V AC *	4	-	120H1063	120H1073	-	120H1062	120H1099	120H1072
	Brazed	Rigid	Module 115-230V *	4	-	120H1065	120H1075	-	120H1064	120H1098	120H1074

① Models with rigid mounting feet are for parallel mounting only. For single mounting use flexible grommet kit ref 8156138
* Electronic motor protection, module located in terminal box

Further reference

For more exhaustive information on Danfoss scroll compressors single & tandem units, please refer to the following documents:

- Online Datasheet Generator: www.danfoss.com/odsg - a tool providing user-friendly access to full technical data, performance tables, spareparts & accessories and outlines drawings for each individual compressor.
- Selection and application guidelines for Danfoss scroll compressors, Single - SH090 to SH485, 50 Hz - 60 Hz, R410A, Literature: FRCC.PC.007.
- Selection & application guidelines for Danfoss scroll compressors in parallel installations, SH R410A, Literature: FRCC.PC.008.

Above documents and datasheet generator are available on the Danfoss Commercial Compressors internet website: <http://cc.danfoss.com>

Quick reference
Technical data tandem compressors

Model	To Tc	-20			-15		-10		-5		0		5		10		15	
		Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	
SH182-4	35	22700	11.1	28600	11.1	35400	11.2	43200	11.3	52300	11.4	62700	11.6	74500	11.7	87900	11.9	
	45	19700	13.7	25100	13.7	31400	13.8	38600	13.9	46900	14.0	56400	14.1	67300	14.2	79600	14.4	
	55	-	-	-	-	26800	17.2	33200	17.2	40600	17.2	49100	17.3	58800	17.4	69900	17.5	
SH195-4	35	25400	12.0	31600	12.2	38900	12.3	47200	12.4	56900	12.6	68000	12.8	80600	12.9	94800	13.0	
	45	22300	14.8	28000	14.8	34700	14.9	42400	15.0	51200	15.2	61400	15.4	73000	15.6	86200	15.7	
	55	-	-	-	-	29800	18.3	36700	18.4	44600	18.5	53700	18.7	64200	18.9	76100	19.1	
SH210-4	35	27200	12.7	34000	12.8	42000	13.0	51100	13.2	61700	13.4	73800	13.6	87500	13.9	103100	14.3	
	45	23700	15.6	30000	15.7	37300	15.9	45700	16.0	55300	16.2	66400	16.4	79000	16.7	93200	17.0	
	55	-	-	-	-	32000	19.7	39400	19.7	48000	19.8	57900	20.0	69200	20.2	82000	20.4	
SH212-4	35	28100	13.0	34700	13.2	42400	13.4	51300	13.6	61500	13.8	73200	13.9	86600	14.1	101700	14.1	
	45	24800	15.8	30900	15.9	38000	16.0	46100	16.2	55600	16.4	66400	16.7	78800	16.9	92800	17.1	
	55	-	-	-	-	32900	19.5	40200	19.6	48600	19.8	58300	20.0	69500	20.3	82200	20.6	
SH230-4	35	30300	13.7	37500	13.9	45900	14.1	55700	14.2	67000	14.5	79900	14.7	94600	14.9	111300	15.1	
	45	26600	16.8	33200	16.9	41000	17.1	49900	17.3	60200	17.5	72100	17.7	85600	17.9	101000	18.2	
	55	-	-	-	-	35300	21.1	43200	21.2	52400	21.3	63000	21.5	75100	21.7	89000	22.0	
SH242-4	35	31700	14.3	39500	14.5	48500	14.8	59000	15.0	71000	15.3	84800	15.7	100500	16.1	118200	16.6	
	45	27700	17.6	34900	17.8	43200	17.9	52800	18.2	63800	18.4	76400	18.7	90700	19.1	106900	19.5	
	55	-	-	-	-	37100	22.2	45700	22.3	55500	22.4	66800	22.6	79600	22.9	94100	23.3	
SH260-4	35	34800	15.3	43000	15.6	52500	15.8	63600	16.1	76300	16.4	91000	16.7	107600	17.1	126400	17.5	
	45	30600	18.8	38100	19.0	46900	19.2	57000	19.4	68700	19.7	82000	20.0	97300	20.3	114600	20.7	
	55	-	-	-	-	40500	23.6	49500	23.7	59900	23.9	71800	24.2	85500	24.5	101100	24.8	
SH281-4	35	37100	16.4	45800	16.6	56100	16.8	67900	17.1	81500	17.4	97100	17.8	114900	18.1	135000	18.6	
	45	32400	20.2	40500	20.3	49900	20.5	60700	20.8	73100	21.0	87400	21.3	103600	21.6	122000	22.0	
	55	-	-	-	-	42800	25.4	52400	25.5	63500	25.7	76200	25.9	90800	26.1	107300	26.4	
SH282-4	35	37800	16.4	46500	16.6	56500	16.9	68200	17.2	81600	17.5	97100	17.8	114700	18.0	134600	18.3	
	45	33500	19.9	41400	20.1	50600	20.4	61200	20.6	73600	20.9	87700	21.3	103900	21.6	122300	21.9	
	55	-	-	-	-	43800	24.9	53300	25.1	64200	25.4	76900	25.7	91500	26.0	108100	26.4	
SH301-4	35	40100	17.4	49300	17.6	60100	17.9	72500	18.2	86800	18.5	103300	18.8	122000	19.1	143200	19.4	
	45	35300	21.3	43700	21.5	53500	21.8	64900	22.0	78000	22.3	93100	22.6	110200	22.9	129800	23.2	
	55	-	-	-	-	46200	26.8	56200	27.0	67900	27.2	81300	27.4	96700	27.7	114300	28.0	
SH304-4	35	40100	17.6	49500	17.9	60500	18.3	73200	18.6	87800	19.0	104400	19.4	123400	19.7	144900	20.1	
	45	35300	21.5	44000	21.8	54000	22.1	65600	22.4	78900	22.8	94200	23.1	111600	23.5	131300	23.9	
	55	-	-	-	-	46600	27.0	56900	27.2	68800	27.5	82500	27.9	98100	28.2	115900	28.6	
SH322-4	35	42400	18.4	52200	18.7	63600	18.9	76800	19.2	92000	19.5	109400	19.8	129300	20.2	151700	20.6	
	45	37100	22.7	46100	22.9	56500	23.1	68600	23.3	82400	23.6	98400	23.8	116500	24.1	137200	24.5	
	55	-	-	-	-	48500	28.7	59200	28.8	71500	29.0	85700	29.1	102000	29.3	120600	29.6	
SH324-4	35	43200	18.6	53000	19.0	64500	19.3	77800	19.7	93100	20.1	110600	20.4	130500	20.7	153100	20.9	
	45	38100	22.6	47200	22.9	57700	23.3	69800	23.6	83800	24.0	99900	24.4	118200	24.8	139000	25.1	
	55	-	-	-	-	49900	28.4	60700	28.7	73200	29.0	87600	29.4	104100	29.8	122900	30.2	
SH345-4	35	45400	19.7	55900	20.0	68000	20.4	82100	20.7	98200	21.1	116700	21.4	137800	21.7	161600	22.0	
	45	40000	24.1	49500	24.3	60600	24.6	73500	25.0	88200	25.3	105200	25.7	124500	26.1	146400	26.4	
	55	-	-	-	-	52300	30.2	63700	30.5	76800	30.8	92000	31.1	109300	31.4	129100	31.8	
SH360-4	35	46400	21.7	58000	21.8	71600	21.9	87300	21.9	105400	22.0	126100	22.1	149600	22.1	176300	22.2	
	45	40200	26.9	50900	27.0	63300	27.0	77700	27.1	94300	27.1	113300	27.2	134900	27.2	159400	27.3	
	55	-	-	-	-	53800	33.7	66600	33.7	81400	33.6	98400	33.6	117800	33.6	139900	33.6	
SH368-4	35	48500	20.9	59600	21.3	72400	21.8	87300	22.2	104500	22.6	124100	23.0	146300	23.3	171500	23.5	
	45	42800	25.4	53000	25.7	64800	26.2	78400	26.6	94100	27.1	112000	27.5	132500	28.0	155700	28.3	
	55	-	-	-	-	56100	31.8	68200	32.2	82200	32.6	98300	33.1	116700	33.5	137700	34.0	
SH420-4	35	55700	25.2	69000	25.3	84500	25.4	102500	25.5	123200	25.7	146900	25.9	173900	26.3	204400	26.8	
	45	48600	31.0	60900	31.2	75000	31.3	91400	31.5	110200	31.6	131900	31.7	156500	32.0	184500	32.3	
	55	-	-	-	-	64400	38.8	78800	38.9	95600	39.0	114900	39.1	136900	39.3	162100	39.4	
SH475-4	35	63100	28.3	78100	28.6	95600	28.8	115800	29.0	139100	29.4	165800	29.8	196200	30.5	230500	31.3	
	45	55300	34.6	69000	35.0	84900	35.3	103300	35.6	124500	35.8	148800	36.1	176600	36.6	208000	37.1	
	55	-	-	-	-	72900	43.5	89200	43.8	108100	44.0	129700	44.2	154500	44.5	182800	44.8	
SH482-4	35	65000	28.6	80000	28.8	97500	29.0	117800	29.1	141100	29.4	167700	29.8	198100	30.4	232600	31.3	
	45	57100	35.1	70900	35.4	86700	35.7	105100	35.8	126200	36.0	150500	36.3	178200	36.7	209600	37.2	
	55	-	-	-	-	74900	43.8	91100	44.1	109800	44.4	131400	44.6	156100	44.9	184300	45.3	
SH535-4	35	72400	31.8	89100	32.1	108500	32.3	131000	32.6	156900	33.1	186600	33.7	220400	34.6	258600	35.9	
	45	63700	38.7	78900	39.3	96600	39.6	117000	40.0	140500	40.3	167400	40.7	198200	41.1	233100	42.1	
	55	-	-	-	-	83500	48.5	101500	49.0	122300	49.4	146200	49.7	173700	50.2	205000	50.7	
SH560-4	35	71500	33.1	88700	33.3	108700	33.6	132000	34.0	158800	34.4	189500	34.8	224500	35.3	264100	35.8	
	45	62500	40.5	78200	40.7	96500	40.9	117700	41.2	142200	41.6	170400	41.9	202600	42.4	239100	42.8	
	55	-	-	-	-	82800	50.3	101600	50.5	123500	50.8	148700	51.0	177700	51.4	210700	51.7	
SH590-4	35	79900	34.9	98200	35.3	119600	35.7	144300	36.1	172800	36.7	205500	37.6	242700	38.8	284700	40.5	
	45	70400	42.4	87000	43.1	106400	43.6	128800	44.1	154700	44.5	184400	45.1	218200	45.9	256500	47.0	
	55	-	-	-	-	92000	53.2	111800	53.8	134700	54.4	161100	54.8	191300	55.4	225600	56.1	
SH620-4	35	80800	36.6	99700	36.9	121700	37.2	147200	37.6	176600	38.1	210300	38.7	248700	39.4	292200	40.3	
	45	71000	44.6	88200	44.9	108200	45.3	131400	45.6	158200	46.0	189000	46.5	224200	47.1	264100	47.8	
	55	-	-	-	-	93300	55.4	113900	55.8	137700	56.1	165200	56.6	196800	57.0	232900	57.6	
SH675-4	35	88200	39.7	108800	40.1	132700	40.6	160500	41.1	192500	41.7	229200	42.6	271000	43.6	318300	44.9	
	45	77600	48.3	96300	48.8	118100	49.3	143300	49.7	172400	50.3	205900	50.9	244200	51.7	287600	52.6	
	55	-	-	-	-	101900	60.1	124200	60.6	150100	61.1	180100	61.7	214400	62.3	253600	63.0	
SH725-4	35	95100	42.3	117000	42.8													

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