

Compressor Identification

R12 Compressors

SD 5 10 HD

Sanden _____

Number of Cylinders _____

Approx. Displacement (cu.in.) _____

Heavy Duty Clutch _____

R134a Compressors

SD 7 H 15 HD

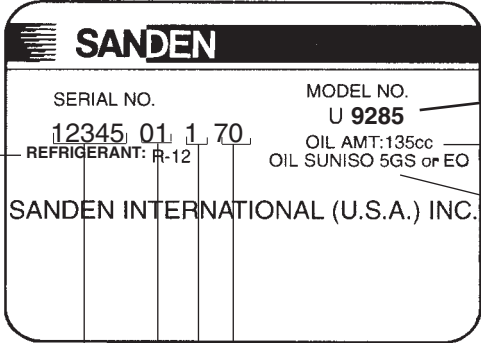
Sanden _____

Number of Cylinders _____

Port Location (H if on head, B if on Block) _____

Approx. Displacement (cubic centimeters/10) _____

Heavy Duty Clutch (HD) Sealed Heavy Duty (SHD) _____



SANDEN

SERIAL NO. 12345 01 1 70

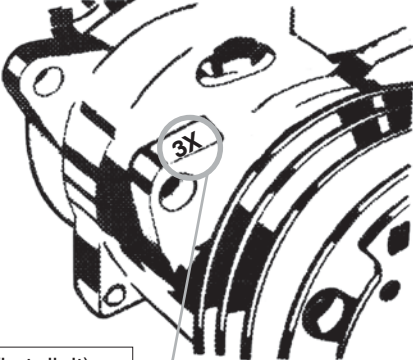
MODEL NO. U 9285

OIL AMT.: 135cc

OIL SUNISO 5GS or EO

REFRIGERANT: R-12

SANDEN INTERNATIONAL (U.S.A.) INC.



Part Number

Lubricant Amount

Lubricant Type

Year of Manufacture (first digit)

Month of manufacture (last digit)

Jan-Sept.: 1-9

Oct.: X

Nov.: Y

Dec.: Z

Refrigerant _____

Serial Number _____

Month of Manufacture _____

Year of Manufacture _____

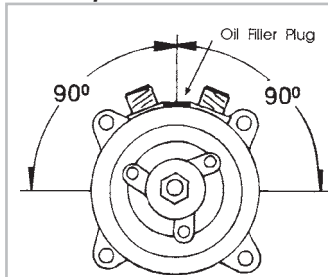
Country Code _____

00-06 Japan
 70-79 USA
 80-89 Singapore

Compressor Specifications

MODEL	CYL.	REFRIG.	DISPL. CU IN (cc)	WEIGHT lbs.	SYSTEM TYPE	OIL TYPE	FACTORY OIL CHARGE OZ.	FACTORY OIL CHARGE cc.	ROTATION
SD 508	5	R12	8.4 (138)	17.1	All	Mineral	6.0 ± 0.5 oz	175 ± 15cc	CW / CCW
SD 508HD	5	R12	8.4 (138)	17.1	All	Mineral	6.0 ± 0.5 oz	175 ± 15cc	CW / CCW
SD 510	5	R12	9.8 (161)	16.5	All	Mineral	4.6 ± 0.5 oz	135 ± 15 cc	CW Only
SD 510HD	5	R12	9.8 (161)	16.5	All	Mineral	4.6 ± 0.5 oz	135 ± 15 cc	CW Only
SD 5H14	5	R134a	8.4 (138)	17.2	Exp Valve	PAG SP-15	7.2 ± 0.5 oz	210 ± 15 cc	CW / CCW
SD 5H14	5	R134a	8.4 (138)	17.2	Orifice Tube	PAG SP-15	No Standard	No Standard	CW / CCW
SD 5H14HD	5	R134a	8.4 (138)	17.2	Exp Valve	PAG SP-15	7.2 ± 0.5 oz	210 ± 15 cc	CW / CCW
SD 5H14HD	5	R134a	8.4 (138)	17.2	Orifice Tube	PAG SP-15	No Standard	No Standard	CW / CCW
SD 709	7	R12	7.9 (130)	15.2	All	Mineral	4.6 ± 0.5 oz	135 ± 15 cc	CW / CCW
SD 7H15HD	7	R134a	9.5 (155)	15.2	Exp Valve	PAG SP-15	4.6 ± 0.5 oz	135 ± 15 cc	CW / CCW
SD 7H15HD	7	R134a	9.5 (155)	15.2	Orifice Tube	PAG SP-15	8.1 ± 0.5 oz	240 ± 15 cc	CW / CCW
SD 7H15SHD	7	R134a	9.5 (155)	17.6	Exp Valve	PAG SP-15	4.6 ± 0.5 oz	135 ± 15 cc	CW / CCW
SD 7H15SHD	7	R134a	9.5 (155)	17.6	Orifice Tube	PAG SP-15	8.1 ± 0.5 oz	240 ± 15 cc	CW / CCW

Acceptable Mounting Angles



R134a PAG SP15 Oil



- SP15 replaces SP20 and is completely interchangeable.
- Mixing SP15 and SP20 is acceptable and will not void the warranty.

17-3422 8.45 OZ.

Used when servicing Sanden Compressors in systems that are charged with R134a. For use with SD 5H14, 7H15 Compressors.

Selecting The Correct Sanden Compressor

There are several different ways to choose the correct Sanden replacement compressor.

Application - refer to the application section looking up application by Make, Year and Model and select the compressor needed.
If it is not listed in the application section then...

Part Number Description:

1. Locate the Identification Tag on the compressor body - the "Model No." found in the upper right corner is the Sanden "Part Number" needed.
2. Refer to the chart on page 268. The chart is listed in ascending order by the Sanden part numbers along with our corresponding number and the compressors characteristics or specifications.
3. Verify the compressor using the Section V: Illustrated section. Part numbers are listed by our part number in ascending order.

1.

2.

COMPRESSORS — SANDEN											
SANDEN #	OUR #	COMP. CYCLES	MODEL	REFR.	HEAD	SIZE	MOUNT	BULLET	CON.	LEAD WIRE	
4308	8774	9058	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	132	2	24V	BULLET
4350	8712	9099	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	155	2	24V	BULLET
4369	8788	9037	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	132	2	12V	AMP#2061
4510	8728	9057	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	132	2	12V	AMP#2061
4511	8719	9053	9025	SDSH4HD	R134A	C VERT 1 1/4	EAR	155	2	12V	BULLET
4513	8733	9057	9025	SDSH4HD	R134A	MD HORIZ 1 1/4	EAR	132	2	12V	AMP#2061
4514	8737	9060	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	119	2	12V	AMP#2061
4515	8718	9059	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	156	1	12V	BULLET
4516	8776	9055	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	155	1	24V	AMP#2061
4519	8952	9055	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	132	1	12V	BULLET
4520	8714	9051	9025	SDSH4HD	R134A	FL VERT 3/4x7/8	EAR	132	1	12V	BULLET
4521	8760	9055	9025	SDSH4HD	R134A	C VERT 3/4x7/8	EAR	132	2	12V	Special
4527	8791	9055	9025	SDSH4HD	R134A	C VERT 3/4x7/8	EAR	132	2	24V	Special
4602	8770	9055	9025	SDSH4HD	R134A	MD VERT PAD/8	EAR	132	1	12V	WeatherPak
4609	8771	9055	9025	SDSH4HD	R134A	MD VERT PAD/8	EAR	132	1	12V	WeatherPak
4604	8595	9055	9025	SDSH4HD	R134A	MD HORIZ PAD	EAR	132	1	24V	Special
4598	8300	9055	9025	SDSH4HD	R134A	MD HORIZ 1 1/4	EAR	152	2	12V	Special
4614	8302	9055	9025	SDSH4HD	R134A	MD HORIZ 1 1/4	EAR	152	2	24V	Special
4611	8517	9058	9025	SDSH4HD	R134A	MD HORIZ 1 1/4	EAR	152	2	12V	BULLET
4618	8205	9055	9025	SDSH4HD	R134A	MD HORIZ PAD	EAR	119	2	12V	PAC#ARD#12
4625	8728	9064	9025	SDSH4HD	R134A	JD VERT 3/4x7/8	EAR	132	2	12V	PAC#ARD#12
4627	8727	9066	9025	SDSH4HD	R134A	JD VERT 3/4x7/8	EAR	132	2	12V	PAC#ARD#12
4628	8716	9065	9025	SDSH4HD	R134A	JD VERT 3/4x7/8	EAR	119	2	12V	BULKETS #207
4627	8786	9055	9025	SDSH4HD	R134A	MD HORIZ 3/4x7/8	EAR	132	2	12V	PAC#ARD#12
4629	8784	9055	9025	SDSH4HD	R134A	JD VERT 3/4x7/8	EAR	132	2	12V	PAC#ARD#12
4640	8312	9060	9025	SDSH4HD	R134A	MD HORIZ PAD	EAR	132	1	24V	SPECIAL DUAL
4641	8343	9065	9025	SDSH4HD	R134A	MD HORIZ 1 1/4	EAR	119	2	12V	BULLET
4642	8729	9064	9025	SDSH4HD	R134A	CB VERT 1 1/4	EAR	132	2	12V	BULLET
4644	8784	9061	9025	SDSH4HD	R134A	JDA VERT 3/4x7/8	EAR	132	2	12V	PAC#ARD#12

3.

Visual Description - if the identification tag cannot be read or is missing or if the compressor is being changed out - the following information will be needed:

1. Refrigerant Type: R134a or R12 - check vehicle for refrigerant label
2. Head Type: Vertical, Horizontal (Sanden usually casts up to three alpha code in the head ie: JDA)
3. Head Fitting Type: O'Ring Type 3/4"x7/8"; Tube-O Type 1"-14 or Pad Type
4. Clutch Voltage: Determine if 12 or 24 Volt System
5. Clutch Type: Determine if Single, Double or Multi Groove Clutch Pulley
6. Clutch Diameter: Measure the Diameter of the Pulley
7. Clutch Connection: Single or Double Wire, Bullet, MetriPack or WeatherPak
8. Clutch A-B Distance: For proper belt alignment, accurately measure the A-B Distance
9. Mounting Type: Ear Mount or Direct Mount (crossbolt or tangential) Type
10. Service Valve: Choose the correct service valve using that section of this catalog

Typical Examples:

<p>Single Groove Clutch</p> <p>DIRECT MOUNT</p>	<p>Double Groove Clutch</p> <p>EAR MOUNT</p>	<p>Multi Groove Clutch</p> <p>PRESSURE RELIEF VALVE</p>	<p>A-B Distance</p> <p>Diameter</p> <p>Groove Width</p>
<p>VERTICAL TUBE-O 1"-14</p>	<p>VERTICAL O'RING 3/4x7/8</p>	<p>HORIZONTAL PAD TYPE</p>	<p>CLUTCH CONNECTIONS</p>