

# CRS SERVICE, INC.

## CRS2520V FIXED DOUBLE VANE PUMP MODEL CODE BREAKDOWN

**MODEL CODE:** CRS 2520V \*\* A \*\* (\*) - 1 \* 22 L  
**CROSS REFERENCE:** A B C D E F G H I J

**A = BRAND**

**B = FRAME SIZE**

**C = DISPLACEMENT**

	GPM @	1200 RPM	RPM MAX	PSI MAX
12	=	12 GPM	1800	2500
14	=	14 GPM	1800	2500
17	=	17 GPM	1800	2500
21	=	21 GPM	1800	2500

**D = PORTING**

A	=	Inlet 2 1/2" 4 Bolt Split Flange #1 Outlet 1" 4 Bolt Split Flange #2 Outlet 3/4" 4 Bolt Split Flange
C	=	Inlet 2 1/2" 4 Bolt Split Flange #1 Outlet 1.3125" - 12 SAE O Ring #2 Outlet 1.0625" - 12 SAE O Ring
E	=	Inlet 2 1/2" 4 Bolt Split Flange #1 Outlet 1" 4 Bolt Split Flange #2 Outlet 1.0625" - 12 SAE O Ring
F	=	Inlet 2 1/2" 4 Bolt Split Flange #1 Outlet 1.3125" - 12 SAE O Ring #2 Outlet 3/4" 4 Bolt Split Flange

**E = DISPLACEMENT**

	GPM @	1200 RPM	RPM MAX	PSI MAX
5	=	5 GPM	1800	2500
8	=	8 GPM	1800	2500
11	=	11 GPM	1800	2500
12	=	12 GPM	1800	2500
14	=	14 GPM	1800	2500

**F = SHAFT SEAL AND MOUNTING**

F	=	Foot Bracket
S	=	Double Shaft Seal
		Omit for single seal & SAE B Flange Mount

**G = SHAFT**

0	=	0.873" Diameter 13T 16/32 MDF 1.69 Ext
1	=	0.875" Diameter 3/16 Square Key 2.81 Ext
3	=	0.875" Diameter Woodruff Key 2.44 Ext
5	=	1.062" Diameter Tapered 3.06 Ext
6	=	0.875" Diameter Woodruff Key 1.75 Ext
11	=	0.873" Diameter 13T 16/32 MDF 1.75 Ext
13	=	1.23" Diameter 14T 12/24 SF 2.31 Ext
25	=	1.25" Diameter 14T 12/24 MDF 3.06 Ext
27	=	0.745" Diameter 11T 16/32 MDF 2.5 Ext
30	=	1.438" Diameter Tapered 3.44 Ext
34	=	0.875" Diameter 3/16 Squared Key 3.75 Ext
48	=	0.849" Diameter Tapered 2.25 Ext
49	=	0.979" Diameter 11T 12/24 SF 2.37 Ext

**G = SHAFTS (CONTINUED)**

51	=	1.248" Diameter 14T 12/24 MDF 3.2 Ext
63	=	0.873" Diameter 13T 16/32 MDF 1.69 Ext
70	=	0.873" Diameter 13T 16/32 MDF 1.75 Ext
87	=	1.229" Diameter 14T 12/24 SF 3.06 Ext
91	=	1.229" Diameter 14T 12/24 SF 3.06 Ext
105	=	0.946" Diameter 22T 24/48 SF 2.02 Ext
112	=	1.229" Diameter 14T 12/24 SF 3.06 Ext
121	=	0.745" Diameter 11T 16/32 MDF 2.5 Ext
122	=	1.248" Diameter 14T 12/24 MDF 3.06 Ext
123	=	0.873" Diameter 13T 16/32 MDF 1.75 Ext
143	=	1.229" Diameter 14T 12/24 SF 1.81 Ext
145	=	1.229" Diameter 14T 12/24 SF 2.31 Ext
147	=	0.875" Diameter 3/16 Square Key 2.31 Ext
162	=	0.997" Diameter 6T 2.79 Ext
166	=	0.983" Diameter 15T 16/32 SF 1.82 Ext
167	=	0.873" Diameter 13T 16/32 MDF 1.63 Ext
171	=	1.229" Diameter 14T 12/24 SF 1.78 Ext
172	=	0.875" Diameter 3/16 Square Key 2.31 Ext
174	=	0.858" Diameter 13T 16/32 SF 2.31 Ext
175	=	0.873" Diameter 13T 16/32 MDF 1.75 Ext
176	=	0.858" Diameter 13T 16/32 SF 0 Ext
181	=	0.875" Diameter 3/16 Square Key 2.31 Ext

**H = PORT RELATIONSHIP**

\*as viewed from the cover end

**#1 OUTLET OPPOSITE INLET**

AA	=	#2 Outlet 135 Degrees CCW from inlet
AB	=	#2 Outlet 45 Degrees CCW from inlet
AC	=	#2 Outlet 45 Degrees CW from inlet
AD	=	#2 Outlet 135 Degrees CW from inlet
<b>#1 OUTLET 90 DEGREES CCW FROM INLET</b>		
BA	=	#2 Outlet 135 Degrees CCW from inlet
BB	=	#2 Outlet 45 Degrees CCW from inlet
BC	=	#2 Outlet 45 Degrees CW from inlet
BD	=	#2 Outlet 135 Degrees CW from inlet

**#1 OUTLET INLINE WITH INLET**

CA	=	#2 Outlet 135 Degrees CCW from inlet
CB	=	#2 Outlet 45 Degrees CCW from inlet
CC	=	#2 Outlet 45 Degrees CW from inlet
CD	=	#2 Outlet 135 Degrees CW from inlet
<b>#1 OUTLET 90 DEGREES CW FROM INLET</b>		
DA	=	#2 Outlet 135 Degrees CCW from inlet
DB	=	#2 Outlet 45 Degrees CCW from inlet
DC	=	#2 Outlet 45 Degrees CW from inlet
DD	=	#2 Outlet 135 Degrees CW from inlet

**I = Design**

22	=	Design Code
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**J = Rotation**

L	=	Left Hand Rotation
Omitted	=	Right Hand Rotation



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# CRS SERVICE, INC.

## CRS2520V FIXED DOUBLE VANE PUMP PARTS LIST

CRS2520V\*\*A\*\*-22

List Price New \$1317.00 Reman \$1160.00  
 Core Credit (included in price) - Complete Pump \$100.00 Cart Kit \$10.00 Ring \$7.50  
**NOTE: Add \$50.00 to List Price for Viton**

<b>Cartridge Kits and Parts</b>								
All CRS Cartridge Kits come complete with Cartridge Kit Seals								
Description	New Cart Kit Part #	New List Price	Reman Cart Kit Part #	Reman List Price	New Ring Part #	New List Price	Reman Ring Part#	Reman List Price
25**V 12 GPM	3591002	\$443.75	R591002	\$348.50	3584610	\$162.00	R584610	\$68.64
25**V 14 GPM	3591003	\$443.75	R591003	\$348.50	3584612	\$162.00	R584612	\$68.64
25**V 17 GPM	3591004	\$443.75	R591004	\$348.50	3584614	\$162.00	R584614	\$68.64
25**V 21 GPM	3591005	\$443.75	R591005	\$348.50	3584616	\$162.00	R584616	\$68.64
**20V 5 GPM	3585471	\$396.75	R585471	\$328.00	3333624	\$163.00	R333624	\$76.96
**20V 8 GPM	3585473	\$396.75	R585473	\$328.00	3333625	\$163.00	R333625	\$76.96
**20V 11 GPM	3585475	\$396.75	R585475	\$328.00	3333626	\$163.00	R333626	\$76.96
**20V 12 GPM	3585476	\$396.75	R585476	\$328.00	3353901	\$163.00	R353901	\$76.96
**20V 14 GPM	3585477	\$396.75	R585477	\$328.00	3353902	\$163.00	R353902	\$76.96
Rotor				Vane Kit				
Description	Part #	List Price	Description	Part#	List Price	Description	Part#	List Price
25V Rotor All Sizes	3584618	POR	25V Vane Kit All Sizes	3941214	\$161.00			
20V 5 & 8	3402690	POR	25V 5 & 8	3922741	\$155.75			
20V 11 - 14	3403539	POR	20V 11 - 14	3922743	\$155.75			
Shafts								
Description	Part#	List Price	Description	Part#	List Price	Description	Part#	List Price
0	309133*	POR	63	319408*	POR	166	3592492	POR
1	3254964	\$140.75	70	333641*	POR	167	592499*	POR
3	3387448	\$258.00	86	3419083	\$205.75	171	3574831	POR
5	3309130	\$120.50	87	3360929	POR	172	629252*	POR
6	3265042	\$201.50	91	3377883	POR	174	452788*	POR
11	3254848	\$160.00	105	434495*	POR	175	3254848	POR
13	3298830	POR	112	3413021	\$148.00	176	453415*	POR
25	293360*	POR	121	413431*	POR	181	3502593	POR
27	255398*	POR	122	3413432	POR			
30	260284*	POR	123	3413433	\$120.50			
34	283569*	POR	143	572051*	POR			
48	280726*	POR	145	3576248	POR			
49	3287333	POR	147	578108*	POR			
51	297693*	POR	162	3283823	POR			
Seal Kit			Shaft Seal			Shaft Bearings		
Description	Part#	List Price	Description	Part#	List Price	Description	Part#	List Price
Buna	3922856	\$20.24	Sft Seal Buna	3394976	\$6.66	Std. Bearing	3001705	\$10.25
Viton	3919303	\$69.19	Sft Seal Viton #1 Single Seal	3429286	\$10.25	H/D Bearing	3232750	\$35.25
			Sft Seal Viton #2 Second Seal	3429283	\$12.56			

\* Indicates items not available in CRS Brand, please call your CRS Sales Representative for Price and Availability.



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## CRS2520V FIXED DOUBLE VANE PUMP (CONTINUED)

Shaft End Body			Center Section			Port End Cover		
Description	Part#	List Price	Description	Part#	List Price	Description	Part#	List Price
CODE A	3942353	\$99.50	CODE A	3251263	\$243.50	CODE A	3250824	\$90.25
CODE C	3942378	\$111.75	CODE C	3251263	\$243.50	CODE C	3252504	\$93.25
CODE E	3942353	\$99.50	CODE E	3251263	\$243.50	CODE E	3252504	\$93.25
Miscellaneous Parts								
Description	Part #	List Price	Description	Part#	List Price			
Washer	3190362	\$2.56	Ret. Ring Br/Sft	3120128	\$1.03			
Spirolox Ring	3191400	\$1.44	Cov Bolts	3001296	\$2.05			
Bolt (4 Req.)	3038523	\$3.69	Foot Bracket	CRSFB-B-10 Reman	\$125.05			
Flange	CRSFL-1-20-20P-10	\$96.35	Flange	CRSFL1-06-06P-10	\$34.85			
Flange	CRSFL1-08-08P-10	\$36.90	Foot Bracket	FB-B-10*	POR			

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