

CRS SERVICE, INC.

CRS2520VQ DOUBLE FIXED VANE PUMP MODEL CODE BREAKDOWN

MODEL CODE: CRS 2520VQ ** A ** (*) - 1 * 20 L
CROSS REFERENCE: A B C D E F G H I J

A = BRAND

B = FRAME SIZE

C = DISPLACEMENT

	GPM @	RPM MAX	PSI MAX
12 =	12 GPM	2700	3000
14 =	14 GPM	2700	3000
17 =	17 GPM	2500	3000
19 =	19 GPM	2500	3000
21 =	21 GPM	2500	3000

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 @	RPM MAX	PSI MAX
5 =	5 GPM	2700	3000
8 =	8 GPM	2700	3000
11 =	11 GPM	2700	3000
12 =	12 GPM	2700	3000
14 =	14 GPM	2700	3000

F = SHAFT SEAL AND MOUNTING

F =	Foot Bracket
S =	Double Shaft Seal
Omit for single seal & 2 Bolt 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

#1 OUTLET 90 DEGREES CCW FROM INLET

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

#1 OUTLET 90 DEGREES CW FROM INLET

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

20 =	Design Code
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J = Rotation

L =	Left Hand Rotation
Omitted =	Right Hand Rotation



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CRS2520VQ DOUBLE FIXED VANE PUMP PARTS LIST

CRS2520VQA-**-1*-20**

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

Cartridge Kits and Parts								
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**VQ 12 GPM	3416439	\$443.75	R416439	\$348.50	3326984	\$141.75	R326984	\$65.52
25**VQ 14 GPM	3416440	\$443.75	R416440	\$348.50	3326985	\$141.75	R326985	\$65.52
25**VQ 17 GPM	3416441	\$443.75	R416441	\$348.50	3326986	\$141.75	R326986	\$65.52
25**VQ 19 GPM	3421232	\$443.75	R421232	\$348.50	3326987	\$141.75	R326987	\$65.52
25**VQ 21 GPM	3416442	\$443.75	R416442	\$348.50	3326988	\$141.75	R326988	\$65.52
20VQ*5 GPM	3417053	\$396.75	R417053	\$328.00	3333624	\$163.00	R333624	\$76.96
20VQ*8 GPM	3417054	\$396.75	R417054	\$328.00	3333625	\$163.00	R333625	\$76.96
20VQ*11 GPM	3416427	\$396.75	R416427	\$328.00	3333626	\$163.00	R333626	\$76.96
20VQ*12 GPM	3416428	\$396.75	R416428	\$328.00	3353901	\$163.00	R353901	\$76.96
20VQ*14 GPM	3416429	\$396.75	R416429	\$328.00	3353902	\$163.00	R353902	\$76.96
Rotor				Vane Kit				
Description	Part #	List Price		Description	Part#	List Price		
25VQ Rotor All Sizes	3270597	\$242.00		25VQ Vane Kit All Sizes	3922710	\$107.75		
20VQ 5 & 8	3402690	\$254.25		205VQ 5 & 8	3922741	\$155.75		
20VQ 11 - 14	3403539	\$258.25		20VQ 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	\$102.50	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	3293360	\$177.00	121	413431*	POR	181	3502593	POR
27	255398*	POR	122	3413432	POR	* Indicates items not available in CRS Brand, please call your CRS Sales Representative for Price and Availability.		
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			
2520V10 SHAFT OPTIONS								
Description	Part#	List Price	Description	Part#	List Price	Description	Part#	List Price
#77 with one shaft seal	3576089	\$203.75	#297 with two shaft Seals	3913330	\$310.50	#298 with two shaft seals	3576090	\$471.50

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Seal Kit			Shaft Seal			Shaft Bearings		
Description	Part#	List Price	Description	Part#	List Price	Description	Part#	List Price
Single Shaft Seal Buna	3920040	\$38.75	Sft Seal Buna	3394976	\$6.66	Std. Bearing	3001705	\$10.25
Single Shaft Seal Viton	3920042	\$67.14	Sft Seal Viton #1 Single Seal	3429286	\$10.25	H/D Bearing	3232750	\$35.25
Single Shaft Seal 2520V10	3920166	\$88.45	Sft Seal Viton #2 Secnd Seal	3429283	\$12.56			
Double Shaft Seal Buna	3920041	\$64.06						
Double Shaft Seal Viton	3920043	\$66.63						
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	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	CRSFL1-20-20P-10	\$96.35	Flange	CRSFL1-06-06P-10	\$34.85			
Flange	CRSFL1-08-08P-10	\$36.90	25VQ Flex Plate Kit	3923956	\$139.00			
Foot Bracket	FB-B-10*	POR	20VQ Flex Plate Kit	3923955	\$120.50			

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