

reversible pump - series XV

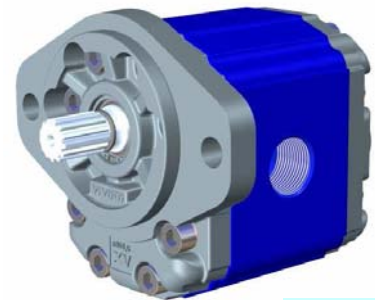
XV-3R

SAE B TYPE PUMP
 ø101.6 FLANGE - SPLINED SHAFT



X 3 R 78 31 I E E E

Series	X	series XV
Group	3	group 3
Category	R	reversible pump
Displacement	78	38
Flange	31	Ø101.6 SAE B reversible rotation
Shaft	I	SCF04 - Splined ø21.81 z=13, H=33.55 SAE J498-13T -16/32DP (SAE B)
Body	IN	inlet - 1" BSP
	OUT	outlet - 1" BSP
Cover	E	with external drainage



XR331

Technical data table

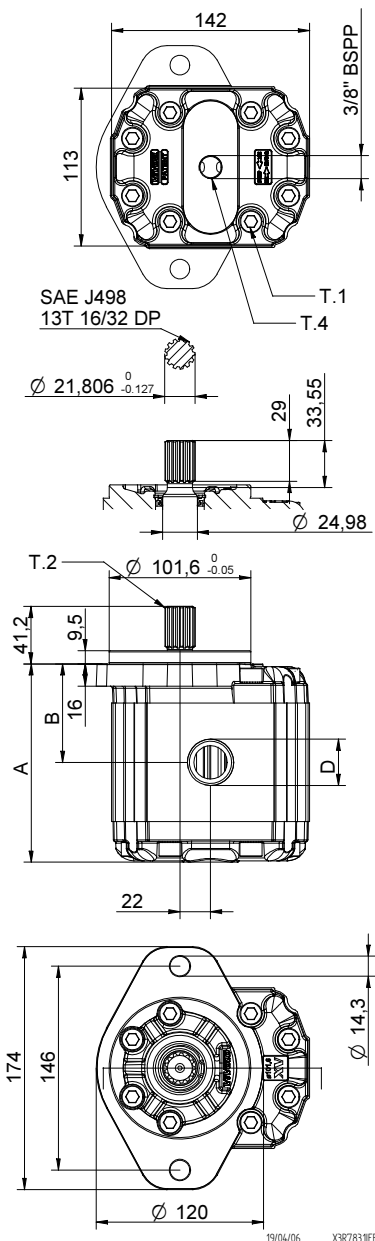
TYPE	Displacement cm3/rev	Max. Pressure		CODE	
		P1 bar	P3 bar	External drainage	Internal drainage
XV-3R/15	14,89	300	320	X 3 R 66 31 I D D E	X 3 R 66 31 I D D F
XV-3R/18	17,37	300	320	X 3 R 68 31 I D D E	X 3 R 68 31 I D D F
XV-3R/21	21,10	280	300	X 3 R 70 31 I D D E	X 3 R 70 31 I D D F
XV-3R/27	26,97	250	270	X 3 R 72 31 I E E E	X 3 R 72 31 I E E F
XV-3R/32	32,27	250	270	X 3 R 74 31 I E E E	X 3 R 74 31 I E E F
XV-3R/38	38,47	250	270	X 3 R 78 31 I E E E	X 3 R 78 31 I E E F
XV-3R/43	43,44	250	270	X 3 R 79 31 I E E E	X 3 R 79 31 I E E F
XV-3R/47	47,16	230	250	X 3 R 80 31 I E E E	X 3 R 80 31 I E E F
XV-3R/51	50,88	230	250	X 3 R 81 31 I E E E	X 3 R 81 31 I E E F
XV-3R/54	54,60	230	250	X 3 R 82 31 I E E E	X 3 R 82 31 I E E F
XV-3R/61	60,81	230	250	X 3 R 83 31 I F F E	X 3 R 83 31 I F F F
XV-3R/64	64,53	210	230	X 3 R 85 31 I F F E	X 3 R 85 31 I F F F
XV-3R/70	70,74	200	220	X 3 R 86 31 I F F E	X 3 R 86 31 I F F F
XV-3R/74	74,46	180	200	X 3 R 87 31 I F F E	X 3 R 87 31 I F F F
XV-3R/90	86,87	150	170	X 3 R 89 31 I F F E	X 3 R 89 31 I F F F

P1) Max. working pressure - P3) Max. peak pressure

For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

TYPE	Weight	A	B	D	D
	kg	mm	mm	IN	OUT
XV-3R/15	7,010	124,0	61,0	3/4" BSPP	3/4" BSPP
XV-3R/18	7,070	126,0	62,0	3/4" BSPP	3/4" BSPP
XV-3R/21	7,150	129,0	63,5	3/4" BSPP	3/4" BSPP
XV-3R/27	7,250	133,0	65,5	1" BSPP	1" BSPP
XV-3R/32	7,390	138,0	68,0	1" BSPP	1" BSPP
XV-3R/38	7,520	143,0	70,5	1" BSPP	1" BSPP
XV-3R/43	7,630	147,0	72,5	1" BSPP	1" BSPP
XV-3R/47	7,710	150,0	74,0	1" BSPP	1" BSPP
XV-3R/51	7,790	153,0	75,5	1" BSPP	1" BSPP
XV-3R/54	7,870	156,0	77,0	1" BSPP	1" BSPP
XV-3R/61	8,010	161,0	79,5	1" 1/4 BSPP	1" 1/4 BSPP
XV-3R/64	8,090	164,0	81,0	1" 1/4 BSPP	1" 1/4 BSPP
XV-3R/70	8,220	169,0	83,5	1" 1/4 BSPP	1" 1/4 BSPP
XV-3R/74	8,300	172,0	85,0	1" 1/4 BSPP	1" 1/4 BSPP
XV-3R/90	8,570	182,0	90,0	1" 1/4 BSPP	1" 1/4 BSPP



T.1 = 60÷65 [Nm] - screw tightening torque M10

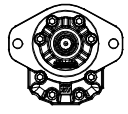
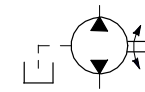
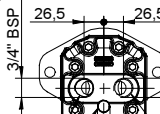
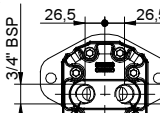
T.2 = 264 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

T.4 = 0.3÷0.5 bar - max. drainage pressure

Table of variations

XV-3R

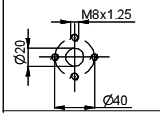
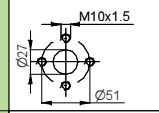
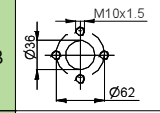
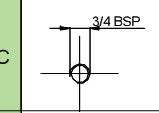
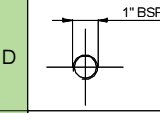
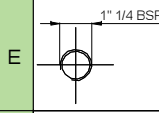
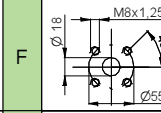
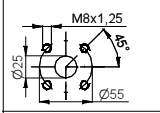
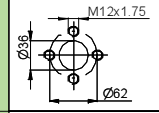
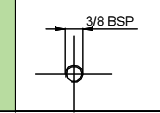
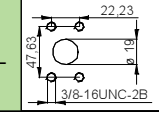
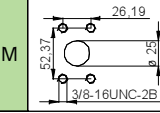
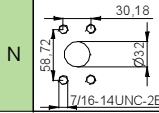
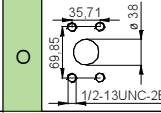

ø101.6 FLANGE ""SAE B""

	Shaft		Cover		
	CO001 - Tapered T.2 = 482 [Nm]	A	CI001 - Parallel T.2 = 181 [Nm]	B	External drainage 
	SCF03 - Splined T.2 = 223 [Nm]	C	CI004 - Parallel T.2 = 180 [Nm]	H	
	SCF04 - Splined T.2 = 264 [Nm]	I			K 
				L 	

Displacement	
TYPE	CODE
XV-3R/15	66
XV-3R/18	68
XV-3R/21	70
XV-3R/27	72
XV-3R/32	74
XV-3R/38	78
XV-3R/43	79
XV-3R/47	80
XV-3R/51	81
XV-3R/54	82
XV-3R/61	83
XV-3R/64	85
XV-3R/70	86
XV-3R/74	87
XV-3R/90	89

Standard bodies				
Displacement cm3/rev	Standard threads			
	15	A - A	D - D	H - H
18	A - A	D - D	H - H	
21	A - A	D - D	H - H	
27	A - A	E - E	H - H	
32	B - B	E - E	H - H	
38	B - B	E - E	H - H	
43	B - B	E - E	H - H	
47	B - B	E - E	H - H	
51	B - B	E - E	H - H	
54	B - B	E - E	H - H	
61	C - C	F - F		
64	C - C	F - F		
70	C - C	F - F		
74	C - C	F - F		
90	C - C	F - F		

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)															
	A		B		C		D		E		F		G		
	H		I		J		L		M		N		O		P
Closed Body	Z														