

unidirectional motor - series XV

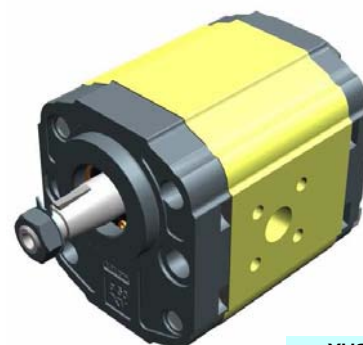
XV-2U

BH TYPE MOTOR

Ø50 BODY-SHAPED FLANGE - TAPER SHAFT

X 2 U 51 12 F S R A

Series	X	series XV
Group	2	group 2
Category	U	unidirectional motor
Displacement	51	17
Flange	12	Ø50 BH GERMAN STANDARDIZED right rotation
Shaft	F	CO002 - Tapered 1:5 - Ø17.4 - M12x1.5 - key thk.3
Body	IN	S inlet - Ø40 a 45° Ø20 M6
	OUT	R outlet - Ø35 a 45° Ø15 M6
Cover	A	standard



XU210

Technical data table

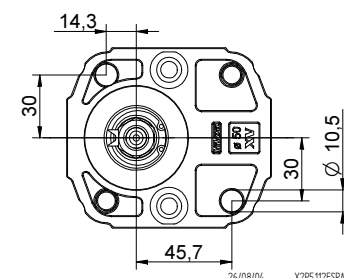
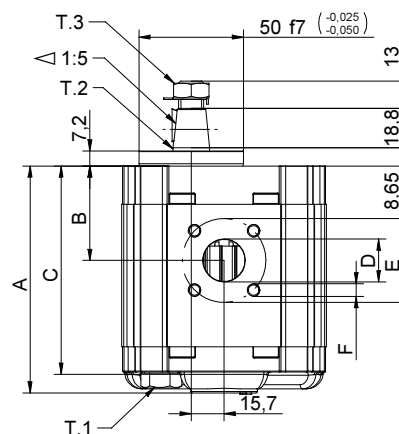
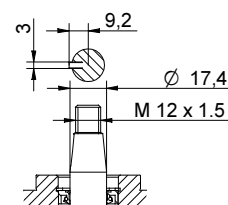
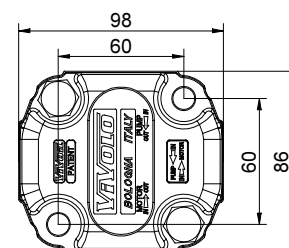
TYPE	Displacement	Max. Pressure		CODE	
	cm ³ /rev	P1 bar	P3 bar	Left rotation	Right rotation
XV-2U/04	4,20	260	300	X 2 U 41 11 F S R A	X 2 U 41 12 F S R A
XV-2U/06	6,00	260	300	X 2 U 43 11 F S R A	X 2 U 43 12 F S R A
XV-2U/09	8,40	260	300	X 2 U 45 11 F S R A	X 2 U 45 12 F S R A
XV-2U/11	10,80	260	300	X 2 U 47 11 F S R A	X 2 U 47 12 F S R A
XV-2U/14	14,40	250	290	X 2 U 49 11 F S R A	X 2 U 49 12 F S R A
XV-2U/17	16,80	230	270	X 2 U 51 11 F S R A	X 2 U 51 12 F S R A
XV-2U/19	19,20	210	250	X 2 U 53 11 F S R A	X 2 U 53 12 F S R A
XV-2U/22	22,80	200	240	X 2 U 55 11 F S R A	X 2 U 55 12 F S R A
XV-2U/26	26,20	170	210	X 2 U 57 11 F S R A	X 2 U 57 12 F S R A
XV-2U/30	30,00	160	200	X 2 U 59 11 F S S A	X 2 U 59 12 F S S A
XV-2U/34	34,20	150	190	X 2 U 61 11 F S S A	X 2 U 61 12 F S S A
XV-2U/40	39,60	140	180	X 2 U 63 11 F S S A	X 2 U 63 12 F S S A

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	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2U/04	2,100	87,2	38,6	77,2	Ø15	35	M6x1	Ø20	40	M6x1
XV-2U/06	2,200	90,2	38,6	80,2	Ø15	35	M6x1	Ø20	40	M6x2
XV-2U/09	2,300	94,2	40,6	84,2	Ø15	35	M6x1	Ø20	40	M6x3
XV-2U/11	2,400	98,2	45,0	88,2	Ø15	35	M6x1	Ø20	40	M6x4
XV-2U/14	2,600	104,2	45,0	94,2	Ø15	35	M6x1	Ø20	40	M6x5
XV-2U/17	2,700	108,2	45,0	98,2	Ø15	35	M6x1	Ø20	40	M6x6
XV-2U/19	2,800	112,2	45,0	102,2	Ø15	35	M6x1	Ø20	40	M6x7
XV-2U/22	2,950	118,2	52,5	108,2	Ø15	35	M6x1	Ø20	40	M6x8
XV-2U/26	3,050	122,2	52,5	112,2	Ø15	35	M6x1	Ø20	40	M6x9
XV-2U/30	3,300	130,2	60,7	120,2	Ø20	40	M6x1	Ø20	40	M6x10
XV-2U/34	3,500	137,2	60,7	127,2	Ø20	40	M6x1	Ø20	40	M6x11
XV-2U/40	3,700	146,2	60,7	136,2	Ø20	40	M6x1	Ø20	40	M6x12



T.1 = 54÷58.9 [Nm] - screw tightening torque M10

T.3 = 40 [Nm] - torque wrench setting 19

T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

XV-2U

ø50 "BH" Body-Shaped FLANGE

ø50 "BH" Body-Shaped FLANGE				Shaft				Cover			
Left rotation		Right rotation						Left rotation		Right rotation	
	11		12	CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B				A
 OUT Ø 12	13	 OUT Ø 12	14	CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F	 1/2 BSP IN		 1/2 BSP IN	B
 IN Ø 12	15	 IN Ø 12	16	SCF03 - Splined T.2 = 86.1 [Nm] m=1.6 Z=9 DIN 5482 - 17x14 	H			 19.5 1/2 BSP OUT		 19.5 1/2 BSP OUT	C
 OUT Ø 12 IN Ø 12	17	 IN Ø 12 OUT Ø 12	18					 1/2 BSP IN OUT		 1/2 BSP OUT IN	D
								 60		 60	N
								 CH 22 CH 13 T		 CH 22 CH 13 T	O

Displacement	
TYPE	CODE
XV-2U/04	41
XV-2U/06	43
XV-2U/09	45
XV-2U/11	47
XV-2U/14	49
XV-2U/17	51
XV-2U/19	53
XV-2U/22	55
XV-2U/26	57
XV-2U/30	59
XV-2U/34	61
XV-2U/40	63

Standard bodies						
Displacement cm3/rev	Standard threads					
4	O - O	S - R	B - B	L - M	Z - Z	
6	O - O	S - R	B - B	L - M	Z - Z	
9	O - O	S - R	B - B	L - M	Z - Z	
11	O - O	S - R	B - B	L - M	Z - Z	
14	P - O	S - R	C - B	L - M	Z - Z	
17	P - O	S - R	C - B	L - M	Z - Z	
19	P - O	S - R	C - B	L - M	Z - Z	
22	P - O	S - R	C - B	L - M	Z - Z	
26	Q - P	S - R	D - C	L - M	Z - Z	
30	Q - P	S - S	D - C	L - M	Z - Z	
34	Q - P	S - S	D - C	L - M	Z - Z	
40	Q - P	S - S	D - C	L - M	Z - Z	

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)											
	A		B		C		D		E		F
	H		I		L		M		N		O
	Q		R		S		T		U		V
	Z		Z		Z		Z		Z		Z