

Part number:

HYDROMA

HYDRAULICKÉ SYSTÉMY

**HIDROMA
SYSTEMS**

UKŁADY HYDRAULICZNE

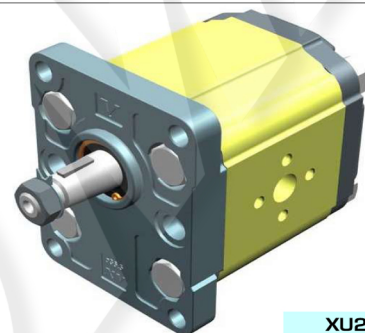
HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

unidirectional motor - series XV

XV-2USTANDARD EUROPEAN MOTOR
ø36.5 FLANGE - TAPER SHAFT**X 2 U 51 02 E P O A**

Series	X	series XV
Group	2	group 2
Category	U	unidirectional motor
Displacement	51	17
Flange	02	Ø36.5 STANDARD EUROPEAN right rotation
Shaft	E	CO001 - Tapered 1:8 - ø17.4 - M12x1.5 - key thk.4
Body	IN	P inlet - Ø40 Ø20 M8
	OUT	O outlet - Ø30 Ø13.5 M6
Cover	A	standard



XU201

Technical data table

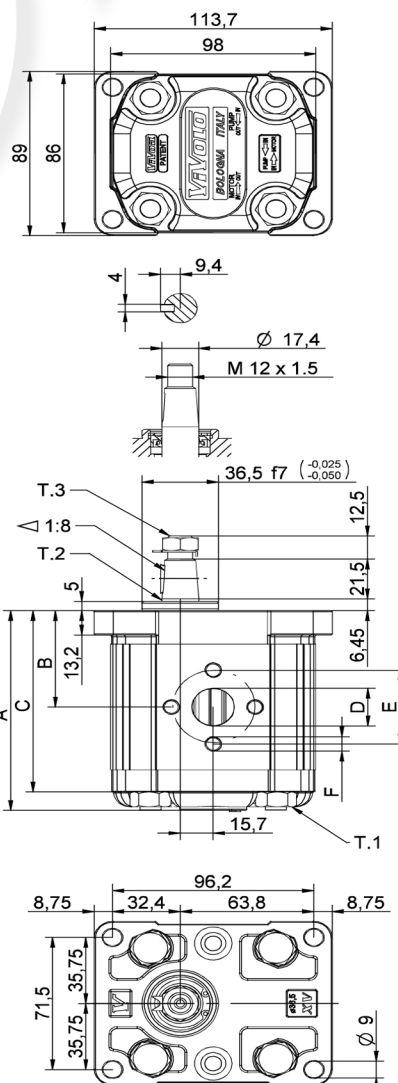
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
XV-2U/04	4,20	260	300	X 2 U 41 01 E O O A	X 2 U 41 02 E O O A
XV-2U/06	6,00	260	300	X 2 U 43 01 E O O A	X 2 U 43 02 E O O A
XV-2U/09	8,40	260	300	X 2 U 45 01 E O O A	X 2 U 45 02 E O O A
XV-2U/11	10,80	260	300	X 2 U 47 01 E O O A	X 2 U 47 02 E O O A
XV-2U/14	14,40	250	290	X 2 U 49 01 E P O A	X 2 U 49 02 E P O A
XV-2U/17	16,80	230	270	X 2 U 51 01 E P O A	X 2 U 51 02 E P O A
XV-2U/19	19,20	210	250	X 2 U 53 01 E P O A	X 2 U 53 02 E P O A
XV-2U/22	22,80	200	240	X 2 U 55 01 E P O A	X 2 U 55 02 E P O A
XV-2U/26	26,20	170	210	X 2 U 57 01 E Q P A	X 2 U 57 02 E Q P A
XV-2U/30	30,00	160	200	X 2 U 59 01 E Q P A	X 2 U 59 02 E Q P A
XV-2U/34	34,20	150	190	X 2 U 61 01 E Q P A	X 2 U 61 02 E Q P A
XV-2U/40	39,60	140	180	X 2 U 63 01 E Q P A	X 2 U 63 02 E Q P 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	2,200	87,2	41,7	77,2	ø13,5	30	M6x1	ø13,5	30	M6x1
XV-2U/06	2,300	90,2	43,2	80,2	ø13,5	30	M6x1	ø13,5	30	M6x1
XV-2U/09	2,400	94,2	45,2	84,2	ø13,5	30	M6x1	ø13,5	30	M6x1
XV-2U/11	2,500	98,2	47,2	88,2	ø13,5	30	M6x1	ø13,5	30	M6x1
XV-2U/14	2,700	104,2	50,2	94,2	ø13,5	30	M6x1	ø20	40	M8X1,25
XV-2U/17	2,800	108,2	52,2	98,2	ø13,5	30	M6x1	ø20	40	M8X1,25
XV-2U/19	2,900	112,2	54,2	102,2	ø13,5	30	M6x1	ø20	40	M8X1,25
XV-2U/22	3,050	118,2	57,2	108,2	ø13,5	30	M6x1	ø20	40	M8X1,25
XV-2U/26	3,150	122,2	59,2	112,2	ø20	40	M8X1,25	ø23,5	40	M8X1,25
XV-2U/30	3,400	130,2	63,2	120,2	ø20	40	M8X1,25	ø23,5	40	M8X1,25
XV-2U/34	3,600	137,2	66,7	127,2	ø20	40	M8X1,25	ø23,5	40	M8X1,25
XV-2U/40	3,800	146,2	71,2	136,2	ø20	40	M8X1,25	ø23,5	40	M8X1,25



26/08/04 X2P5102EPOA.dft

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

ø36.5 FLANGE

ø36.5 FLANGE			
Left rotation		Right rotation	
	01		02
	03		04
	05		06
	07		08

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	

Shaft	
CI001 - Parallel T.2 = 44.1 [Nm]	
	A
CI002 - Parallel T.2 = 67.5 [Nm]	
	B
CO001 - Tapered T.2 = 233.2 [Nm]	
	E
CO002 - Tapered T.2 = 233.2 [Nm]	
	F
SCF02 - Splined T.2 = 86.1 [Nm] m=1.6 Z=9 DIN 5482 - 17x14	
	G
SCF03 - Splined T.2 = 86.1 [Nm] m=1.6 Z=9 DIN 5482 - 17x14	
	H
SCF04 - Splined T.2 = 67.1 [Nm] SAE J 498 9T 16/32 DP	
	I
SCF01 - Splined T.2 = 86.2 [Nm] m=1.6 Z=9 DIN 5482 - 17x14	
	L

Cover	
Left rotation	
	A
Right rotation	
	A
Left rotation	
	B
Right rotation	
	B
Left rotation	
	C
Right rotation	
	C
Left rotation	
	D
Right rotation	
	D
Left rotation	
	N
Right rotation	
	N
Left rotation	
	O
Right rotation	
	O

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)											
 3/8" BSP	A	 1/2" BSP	B	 3/4" BSP	C	 1" BSP	D	 M14x1.5	E	 M16x1.5	F
 M20x1.5	H	 M22x1.5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1	O
 M8x1.25 Ø23.5 Ø40	Q	 M6x1 Ø15 Ø35	R	 M6x1 Ø20 Ø40	S	 M6x1 Ø15 Ø38	T	 M8x1.25 Ø15 Ø38	U	 M6x1 Ø15 Ø38	V
										Closed Body	
										Z	

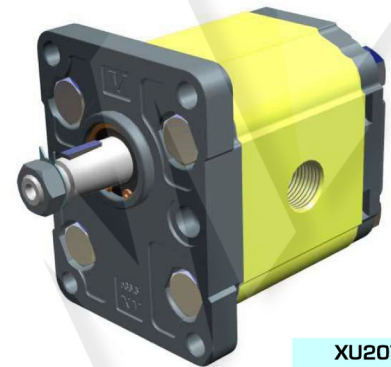
unidirectional motor - series XV

XV-2U

STANDARD EUROPEAN MOTOR
Ø36.5 FLANGE - TAPER SHAFT

X 2 U 51 02 E C B A

Series	X	series XV
Group	2	group 2
Category	U	unidirectional motor
Displacement	51	17
Flange	02	Ø36.5 STANDARD EUROPEAN right rotation
Shaft	E	CO001 - Tapered 1:8 - Ø17.4 - M12x1.5 - key thk.4
Body	IN	C inlet - 3/4" GAS
	OUT	B outlet - 1/2" GAS
Cover	A	standard



XU207

Technical data table

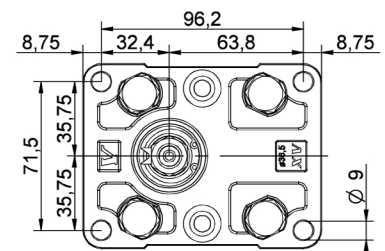
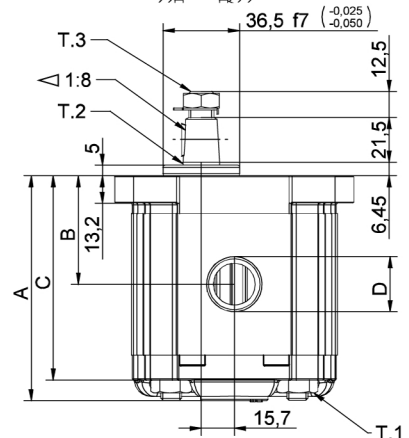
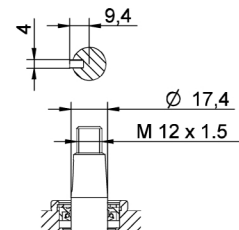
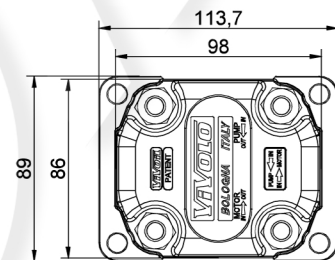
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XV-2U/09	8,40	260	300	X 2 U 45 01 E B B A	X 2 U 45 02 E B B A
XV-2U/11	10,80	260	300	X 2 U 47 01 E B B A	X 2 U 47 02 E B B A
XV-2U/14	14,40	250	290	X 2 U 49 01 E C B A	X 2 U 49 02 E C B A
XV-2U/17	16,80	230	270	X 2 U 51 01 E C B A	X 2 U 51 02 E C B A
XV-2U/19	19,20	210	250	X 2 U 53 01 E C B A	X 2 U 53 02 E C B A
XV-2U/22	22,80	200	240	X 2 U 55 01 E C B A	X 2 U 55 02 E C B A
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XV-2U/06	2,300	90,2	43,2	80,2	1/2" BSPP	1/2" BSPP
XV-2U/09	2,400	94,2	45,2	84,2	1/2" BSPP	1/2" BSPP
XV-2U/11	2,500	98,2	47,2	88,2	1/2" BSPP	1/2" BSPP
XV-2U/14	2,700	104,2	50,2	94,2	3/4" BSPP	1/2" BSPP
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XV-2U/26	3,150	122,2	59,2	112,2	1" BSPP	3/4" BSPP
XV-2U/30	3,400	130,2	63,2	120,2	1" BSPP	3/4" BSPP
XV-2U/34	3,600	137,2	66,7	127,2	1" BSPP	3/4" BSPP
XV-2U/40	3,800	146,2	71,2	136,2	1" BSPP	3/4" BSPP



26/08/04 X2P5102ZCBA.dft

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

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Table of variations

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ø36.5 FLANGE

ø36.5 FLANGE			
Left rotation		Right rotation	
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	03		04
	05		06
	07		08

Shaft	
Left rotation	Right rotation

Cover	
Left rotation	Right rotation

Displacement	
TYPE	CODE
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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	

Internal drainage	
Internal drainage	
External drainage	

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