

## Zahnradmotoren

- Serie XV -

Baugröße 1



Bestellnr.	Typ	Code
<b>D = rechtsdrehend</b>		
016-010-01000	XV1U/0,9D	X1U1602FIIA
016-010-01100	XV1U/1,2D	X1U1702FIIA
016-010-01200	XV1U/1,7D	X1U1802FIIA
016-010-01300	XV1U/2,2D	X1U2002FIIA
016-010-01400	XV1U/2,6D	X1U2102FIIA
016-010-01500	XV1U/3,2D	X1U2302FIIA
016-010-01600	XV1U/3,8D	X1U2502FIIA
016-010-01700	XV1U/4,3D	X1U2702FIIA
016-010-01800	XV1U/4,9D	X1U2902FIIA
016-010-01900	XV1U/5,9D	X1U3102FIIA
016-010-02000	XV1U/6,5D	X1U3202FIIA
016-010-02100	XV1U/7,8D	X1U3402FIIA
016-010-02200	XV1U/9,8D	X1U3602FIIA
<b>S = linksdrehend</b>		
016-010-01050	XV1U/0,9S	X1U1601FIIA
016-010-01150	XV1U/1,2S	X1U1701FIIA
016-010-01250	XV1U/1,7S	X1U1801FIIA
016-010-01350	XV1U/2,2S	X1U2001FIIA
016-010-01450	XV1U/2,6S	X1U2101FIIA
016-010-01550	XV1U/3,2S	X1U2301FIIA
016-010-01650	XV1U/3,8S	X1U2501FIIA
016-010-01750	XV1U/4,3S	X1U2701FIIA
016-010-01850	XV1U/4,9S	X1U2901FIIA
016-010-01950	XV1U/5,9S	X1U3101FIIA
016-010-02050	XV1U/6,5S	X1U3201FIIA
016-010-02150	XV1U/7,8S	X1U3401FIIA
016-010-02250	XV1U/9,8S	X1U3601FIIA

Europäischer Standard-4-Loch-Flansch -Bohrungsabstand = 71,9 x 52,4 mm / Rezens =  $\varnothing$  25,4 mm / Welle -CO.001 1:8 -d =  $\varnothing$  10 mm  
-M 7x1 -Passfeder = 2,4 mm / max. zulässiges Wellendrehmoment = 43 Nm / Ölschlüsse = Flansch  $\varnothing$  30 mm seitlich

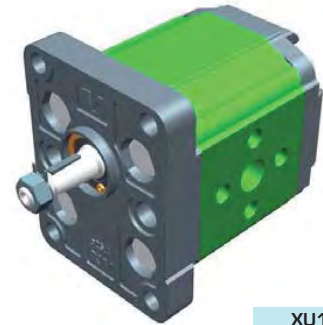
## In eine Richtung drehender Motor - Serie XV

**EUROPÄISCHE STANDARDMOTOR  
FLANSCH Ø25.4 - KEGELWELLE**

XV-1U

X 1 U 25 02 F I I A

Serie	X	Serie XV
Gruppe	1	Gruppe 1
Kategorie	U	In eine Richtung drehender Motor
Hubraum	25	3.8
Flansch	02	Ø25.4 EUROPÄISCHER STANDARD Drehrichtung rechts
Welle	F	CO001 - Konisch 1:8 - Ø10 - M7x1 - Scheibfeder Dicke 2.4
Gehäuse	IN	Ansaugung - Ø30 Ø12 M6
	OUT	Druckseite - Ø30 Ø12 M6
Deckel	A	Standard

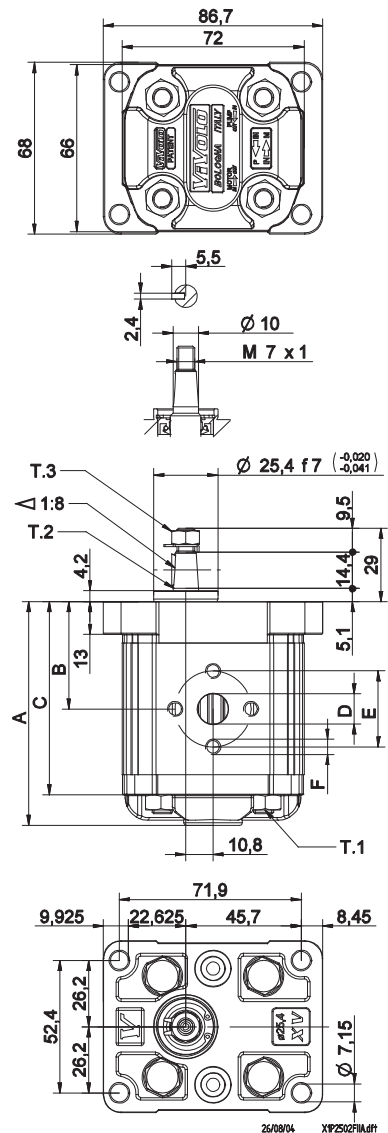


XU101

Technische Datentabelle						
TYP	Hubraum	Maximaldruck		CODE		
		cm <sup>3</sup> /u	P1 bar	P3 bar	Drehung	
				Drehung links	Drehung rechts	
XV-1U/0.9	0,91	240	280	X 1 U 16 01 F I I A	X 1 U 16 02 F I I A	
XV-1U/1.2	1,17	250	290	X 1 U 17 01 F I I A	X 1 U 17 02 F I I A	
XV-1U/1.7	1,56	250	290	X 1 U 18 01 F I I A	X 1 U 18 02 F I I A	
XV-1U/2.2	2,08	250	290	X 1 U 20 01 F I I A	X 1 U 20 02 F I I A	
XV-1U/2.6	2,60	250	300	X 1 U 21 01 F I I A	X 1 U 21 02 F I I A	
XV-1U/3.2	3,12	250	300	X 1 U 23 01 F I I A	X 1 U 23 02 F I I A	
XV-1U/3.8	3,64	250	300	X 1 U 25 01 F I I A	X 1 U 25 02 F I I A	
XV-1U/4.3	4,16	250	300	X 1 U 27 01 F I I A	X 1 U 27 02 F I I A	
XV-1U/4.9	4,94	250	300	X 1 U 29 01 F I I A	X 1 U 29 02 F I I A	
XV-1U/5.9	5,85	250	300	X 1 U 31 01 F I I A	X 1 U 31 02 F I I A	
XV-1U/6.5	6,50	250	300	X 1 U 32 01 F I I A	X 1 U 32 02 F I I A	
XV-1U/7.8	7,54	220	260	X 1 U 34 01 F I I A	X 1 U 34 02 F I I A	
XV-1U/9.8	9,88	190	230	X 1 U 36 01 F I I A	X 1 U 36 02 F I I A	

P1) Max. Betriebsdruck - P3) Max. Druckspitze  
Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments

Dimensionstabelle										
TYP	Gewicht	A	B	C	D	E	F	D	E	F
		mm	mm	mm	mm	mm	mm	mm	mm	mm
XV-1U/0.9	0,950	78,1	37,3	66,1	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/1.2	0,970	79,0	37,8	67,0	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/1.7	1,010	80,5	38,5	68,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/2.2	1,030	82,5	39,5	70,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/2.6	1,060	84,5	40,5	72,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/3.2	1,090	86,5	41,5	74,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/3.8	1,120	88,5	42,5	76,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/4.3	1,170	90,5	43,5	78,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/4.9	1,200	93,5	45,0	81,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/5.9	1,260	97,0	46,8	85,0	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/6.5	1,300	98,5	48,0	86,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/7.8	1,360	103,5	50,0	91,5	Ø12	30	M6x1	Ø12	30	M6x1
XV-1U/9.8	1,500	112,5	54,5	100,5	Ø12	30	M6x1	Ø12	30	M6x1



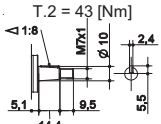
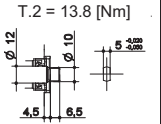


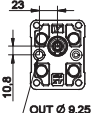
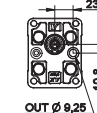
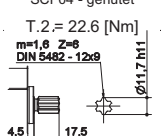
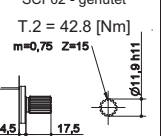
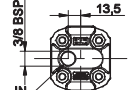
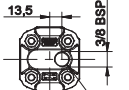
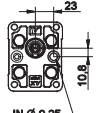
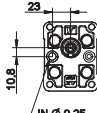
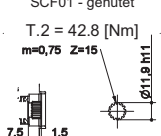
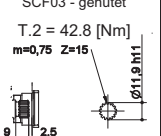
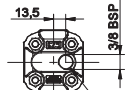
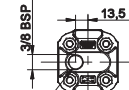
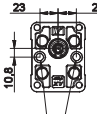
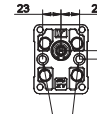
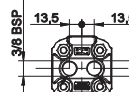
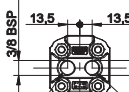


T.1 = 24.5±29.4 [Nm] - Anzugsmoment - Schrauben M8      T.3 = 11.5 [Nm] - Anzugsmoment - Schlüssel 11  
T.2 = 43 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).

## Tabelle der Varianten

XV-1U

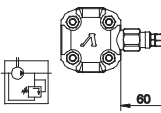
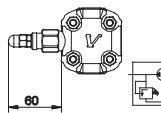
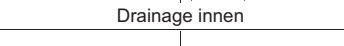
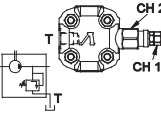
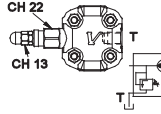
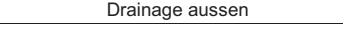
FLANSCH  $\varnothing 25.4$


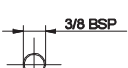


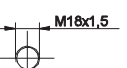
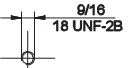
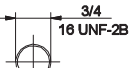
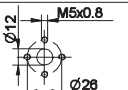
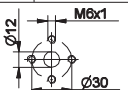
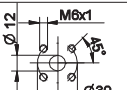

FLANSCH $\varnothing 25.4$				Tabelle der Varianten				Deckel					
Drehung links		Drehung rechts						Drehung links		Drehung rechts			
	01		02		F		D			A			
	03		04		J		L			B			
	05		06		Q		R			C			
	07		08							D			

Hubraum	
TYP	CODE
XV-1U/0.9	16
XV-1U/1.2	17
XV-1U/1.7	18
XV-1U/2.2	20
XV-1U/2.6	21
XV-1U/3.2	23
XV-1U/3.8	25
XV-1U/4.3	27
XV-1U/4.9	29
XV-1U/5.9	31
XV-1U/6.5	32
XV-1U/7.8	34
XV-1U/9.8	36

Gehäuse Standard							
Hubraum	cm <sup>3</sup> /u	Standardgewinde					
0.9	I-I	B-B	J-J	B-Z	Z-Z	G-F	
1.2	I-I	B-B	J-J	B-Z	Z-Z	G-F	
1.7	I-I	B-B	J-J	B-Z	Z-Z	G-F	
2.2	I-I	B-B	J-J	B-Z	Z-Z	G-F	
2.6	I-I	B-B	J-J	B-Z	Z-Z	G-F	
3.2	I-I	B-B	J-J	B-Z	Z-Z	G-F	
3.8	I-I	B-B	J-J	B-Z	Z-Z	G-F	
4.3	I-I	B-B	J-J	B-Z	Z-Z	G-F	
4.9	I-I	B-B	J-J	B-Z	Z-Z	G-F	
5.9	I-I	B-B	J-J	B-Z	Z-Z	G-F	
6.5	I-I	B-B	J-J	B-Z	Z-Z	G-F	
7.8	I-I	B-B	J-J	B-Z	Z-Z	G-F	
9.8	I-I	B-B	J-J	B-Z	Z-Z	G-F	

Kombinationstabelle der lagermässig vorrätigen  
Standardgewinde und Anflansungen

		N
 <p>Drainage innen</p>		
		O
 <p>Drainage aussen</p>		

Gehäuse (Gewinde und Anflansungen)													
	A		B		C		D		E		F		G
	H		I		J		Z						