

2M

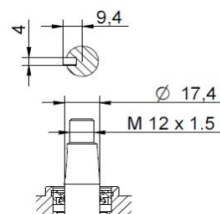
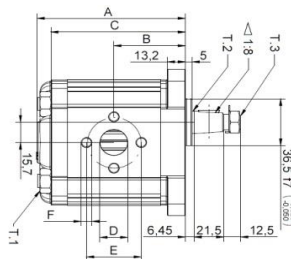
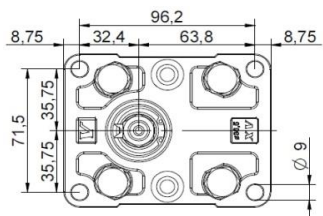
TANDHJULSMOTOR
GEAR MOTOR

GR.2

STANDARD EU $\varnothing 36,5$ FLANGE

KONISK AKSEL 1:8

STANDARD EUROPEAN $\varnothing 36,5$ FLANGE 1:8 TAPER SHAFT



Varenr. Code	Type	cm ³ /omg. cm ³ /rev	P MAX bar		A	B	C	IN		OUT		kg
			P1	P3				D x E x F	D x E x F			
2M4101E00E	XV-2U/04	4.20	260	300	87.2	41.7	77.2	$\varnothing 13 \times 30 \times M6$	$\varnothing 13 \times 30 \times M6$		2.20	
2M4301E00E	XV-2U/06	6.00	260	300	90.2	43.2	80.2	$\varnothing 13 \times 30 \times M6$	$\varnothing 13 \times 30 \times M6$		2.30	
2M4501E00E	XV-2U/09	8.40	260	300	94.2	45.2	84.2	$\varnothing 13 \times 30 \times M6$	$\varnothing 13 \times 30 \times M6$		2.40	
2M4701E00E	XV-2U/11	10.80	260	300	98.2	47.2	88.2	$\varnothing 13 \times 30 \times M6$	$\varnothing 13 \times 30 \times M6$		2.50	
2M4901EPPE	XV-2U/14	14.40	250	290	104.2	50.2	94.2	$\varnothing 20 \times 40 \times M8$	$\varnothing 20 \times 40 \times M8$		2.70	
2M5101EPPE	XV-2U/17	16.80	230	270	108.2	52.2	98.2	$\varnothing 20 \times 40 \times M8$	$\varnothing 20 \times 40 \times M8$		2.80	
2M5301EPPE	XV-2U/19	19.20	210	250	112.2	54.2	102.2	$\varnothing 20 \times 40 \times M8$	$\varnothing 20 \times 40 \times M8$		2.90	
2M5501EPPE	XV-2U/22	22.80	200	240	118.2	57.2	108.2	$\varnothing 20 \times 40 \times M8$	$\varnothing 20 \times 40 \times M8$		3.05	
2M5701EPPE	XV-2U/26	26.20	170	210	122.2	59.2	112.2	$\varnothing 20 \times 40 \times M8$	$\varnothing 20 \times 40 \times M8$		3.15	

P1 = MAX. ARBEJDSTRYK - MAX. WORKING PRESSURE

P3 = MAX. BELASTNING - MAX. PEAK PRESSURE

GEAR MOTORER - UNIDIRECTIONAL GEAR MOTORS

2M

**TANDHJULSMOTOR
GEAR MOTOR**

GR.2

STANDARD EU ø36,5 FLANGE

STANDARD EUROPEAN ø36,5 FLANGE

KONISK AKSEL 1:8

1:8 TAPER SHAFT

VARIANTER - TABLE OF VARIATIONS

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

ø36.5 FLANGE		Shaft		Cover	
Left rotation	Right rotation			Left rotation	Right rotation
		CI001 - Parallel T.2 = 44.1 [Nm]	CI002 - Parallel T.2 = 67.5 [Nm]		
		CO001 - Tapered T.2 = 233.2 [Nm]	CO002 - Tapered T.2 = 233.2 [Nm]		
		SCF02 - Splined T.2 = 86.1 [Nm]	SCF03 - Splined T.2 = 86.1 [Nm]		
		SCF04 - Splined T.2 = 67.1 [Nm]	SCF01 - Splined T.2 = 86.2 [Nm]		

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 cm ³ /rev	Standard threads				
	4	O - O	S - R	B - B	L - M
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

		N
Internal drainage		
		O
External drainage		

Body (threads/flanges)

Summary: Displacements - Torque - Power - Pressures - Speeds

	TYPE	Displacement	Torque	Power	Max Inlet Pressure	Max Drain Pressure	Min Starting Pressure	Min Speed	Max Speed
			1000 rev/min 100 bar						
XV-0M	XV-0M/0.45	0.45 cm ³ /rev	0,61 Nm	0,06 KW	280 bar	1 bar	25 bar	700 rev/min	9000 rev/min
	XV-0M/0.57	0.56 cm ³ /rev	0,76 Nm	0,08 KW	280 bar	1 bar	25 bar	700 rev/min	9000 rev/min
	XV-0M/0.76	0.75 cm ³ /rev	1,01 Nm	0,11 KW	280 bar	1 bar	25 bar	700 rev/min	9000 rev/min
	XV-0M/0.98	0.92 cm ³ /rev	1,24 Nm	0,13 KW	280 bar	1 bar	20 bar	700 rev/min	6000 rev/min
	XV-0M/1.27	1.26 cm ³ /rev	1,70 Nm	0,18 KW	280 bar	1 bar	15 bar	700 rev/min	6000 rev/min
	XV-0M/1.52	1.48 cm ³ /rev	2,00 Nm	0,21 KW	280 bar	1 bar	10 bar	700 rev/min	6000 rev/min
	XV-0M/2.30	2.28 cm ³ /rev	3,08 Nm	0,32 KW	210 bar	1 bar	10 bar	700 rev/min	5000 rev/min
XV-1M	XV-1M/0.9	0.91 cm ³ /rev	1,23 Nm	0,13 KW	280 bar	6 bar	30 bar	700 rev/min	6000 rev/min
	XV-1M/1.2	1.17 cm ³ /rev	1,58 Nm	0,17 KW	290 bar	6 bar	30 bar	700 rev/min	6000 rev/min
	XV-1M/1.7	1.56 cm ³ /rev	2,11 Nm	0,22 KW	290 bar	6 bar	30 bar	700 rev/min	6000 rev/min
	XV-1M/2.2	2.08 cm ³ /rev	2,81 Nm	0,29 KW	290 bar	6 bar	25 bar	700 rev/min	6000 rev/min
	XV-1M/2.6	2.60 cm ³ /rev	3,52 Nm	0,37 KW	300 bar	6 bar	20 bar	700 rev/min	6000 rev/min
	XV-1M/3.2	3.12 cm ³ /rev	4,22 Nm	0,44 KW	300 bar	6 bar	15 bar	700 rev/min	6000 rev/min
	XV-1M/3.8	3.64 cm ³ /rev	4,92 Nm	0,52 KW	300 bar	6 bar	15 bar	700 rev/min	6000 rev/min
	XV-1M/4.3	4.16 cm ³ /rev	5,63 Nm	0,59 KW	300 bar	6 bar	15 bar	700 rev/min	6000 rev/min
	XV-1M/4.9	4.94 cm ³ /rev	6,68 Nm	0,70 KW	300 bar	6 bar	15 bar	700 rev/min	6000 rev/min
	XV-1M/5.9	5.85 cm ³ /rev	7,91 Nm	0,83 KW	300 bar	6 bar	15 bar	700 rev/min	5000 rev/min
	XV-1M/6.5	6.50 cm ³ /rev	8,79 Nm	0,92 KW	300 bar	6 bar	10 bar	700 rev/min	5000 rev/min
	XV-1M/7.8	7.54 cm ³ /rev	10,20 Nm	1,07 KW	260 bar	6 bar	10 bar	700 rev/min	5000 rev/min
	XV-1M/9.8	9.88 cm ³ /rev	13,37 Nm	1,40 KW	230 bar	6 bar	10 bar	700 rev/min	4000 rev/min
XV-2M	XV-2M/4	4.2 cm ³ /rev	5,68 Nm	0,60 KW	300 bar	6 bar	30 bar	700 rev/min	3500 rev/min
	XV-2M/6	6.0 cm ³ /rev	8,12 Nm	0,85 KW	300 bar	6 bar	25 bar	700 rev/min	3500 rev/min
	XV-2M/9	8.4 cm ³ /rev	11,36 Nm	1,19 KW	300 bar	6 bar	20 bar	700 rev/min	3500 rev/min
	XV-2M/11	10.8 cm ³ /rev	14,61 Nm	1,53 KW	300 bar	6 bar	20 bar	700 rev/min	3500 rev/min
	XV-2M/14	14.4 cm ³ /rev	19,48 Nm	2,04 KW	290 bar	6 bar	15 bar	700 rev/min	3500 rev/min
	XV-2M/17	16.8 cm ³ /rev	22,73 Nm	2,38 KW	270 bar	6 bar	15 bar	700 rev/min	3500 rev/min
	XV-2M/19	19.2 cm ³ /rev	25,97 Nm	2,72 KW	250 bar	6 bar	15 bar	700 rev/min	3000 rev/min
	XV-2M/22	22.8 cm ³ /rev	30,84 Nm	3,23 KW	240 bar	6 bar	15 bar	700 rev/min	3000 rev/min
	XV-2M/26	26.2 cm ³ /rev	35,44 Nm	3,71 KW	210 bar	6 bar	15 bar	700 rev/min	3000 rev/min
	XV-2M/30	30.0 cm ³ /rev	40,58 Nm	4,25 KW	200 bar	6 bar	15 bar	700 rev/min	2500 rev/min
	XV-2M/34	34.2 cm ³ /rev	46,27 Nm	4,85 KW	190 bar	6 bar	15 bar	700 rev/min	2500 rev/min
XV-3M	XV-3M/40	39.6 cm ³ /rev	53,57 Nm	5,61 KW	180 bar	6 bar	15 bar	700 rev/min	2000 rev/min
	XV-3M/15	14.89 cm ³ /rev	20,14 Nm	2,11 KW	320 bar	6 bar	20 bar	700 rev/min	3000 rev/min
	XV-3M/18	17.37 cm ³ /rev	23,50 Nm	2,46 KW	320 bar	6 bar	20 bar	700 rev/min	3000 rev/min
	XV-3M/21	21.10 cm ³ /rev	28,54 Nm	2,99 KW	300 bar	6 bar	15 bar	700 rev/min	3000 rev/min
	XV-3M/27	26.97 cm ³ /rev	36,49 Nm	3,82 KW	270 bar	6 bar	10 bar	700 rev/min	3000 rev/min
	XV-3M/32	32.27 cm ³ /rev	43,66 Nm	4,57 KW	270 bar	6 bar	10 bar	700 rev/min	3000 rev/min
	XV-3M/38	38.47 cm ³ /rev	52,04 Nm	5,45 KW	270 bar	6 bar	10 bar	700 rev/min	2800 rev/min
	XV-3M/43	43.44 cm ³ /rev	58,77 Nm	6,15 KW	250 bar	6 bar	10 bar	700 rev/min	2800 rev/min
	XV-3M/47	47.16 cm ³ /rev	63,80 Nm	6,68 KW	250 bar	6 bar	10 bar	700 rev/min	2800 rev/min
	XV-3M/51	50.88 cm ³ /rev	68,83 Nm	7,21 KW	250 bar	6 bar	10 bar	700 rev/min	2800 rev/min
	XV-3M/54	54.60 cm ³ /rev	73,86 Nm	7,74 KW	250 bar	6 bar	10 bar	700 rev/min	2300 rev/min
	XV-3M/61	60.81 cm ³ /rev	82,26 Nm	8,61 KW	220 bar	6 bar	10 bar	700 rev/min	2300 rev/min
	XV-3M/64	64.53 cm ³ /rev	87,30 Nm	9,14 KW	220 bar	6 bar	10 bar	700 rev/min	2300 rev/min
	XV-3M/70	70.74 cm ³ /rev	95,70 Nm	10,02 KW	210 bar	6 bar	10 bar	700 rev/min	2300 rev/min
	XV-3M/74	74.46 cm ³ /rev	100,73 Nm	10,55 KW	190 bar	6 bar	10 bar	700 rev/min	2300 rev/min
XV-3M/90	86.87 cm ³ /rev	117,52 Nm	12,31 KW	160 bar	6 bar	10 bar	700 rev/min	2300 rev/min	

General technical data

Type of fluid to be used	Mineral-based hydraulic oil HLP HV (D IN 51524)
Minimum operating viscosity	10 mm ² /s
Maximum operating viscosity	100 mm ² /s
Maximum admissible viscosity at start-up	1500 mm ² /s
Recommended viscosity	20 mm ² /s - 100 mm ² /s
Ambient temperature	-20 °C - 60°C
Fluid operating temperature	-15°C - 80°C
Recommended fluid operating temperature	30°C – 50° C
For temperatures above 120°C	Request FKM seals (V iton)
Max. outlet fluid pressure (OUT)	0.3 - 0.5 bars (with internal drainage)
Inlet fluid filtering (IN)	30 - 60 Microns
Outlet fluid filtering (OUT)	10 - 25 Microns
Max. inlet fluid speed (IN)	0.5 - 1.5 m/s
Max. outlet fluid speed (OUT)	3.0 - 5.5m/s

Flow rate tables

TYPE	cm3/ rev	Flow rate l/min	rpm													Flow rate l/min			
			700	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	7000		8000	9000	
XV 0M/0.45	0,45	Flow rate l/min	0,299	0,428	0,641	0,855	1,069	1,283	1,496	1,710	1,924	2,138	2,351	2,565	2,993	3,420	3,848	Flow rate l/min	
XV 0M/0.57	0,56		0,372	0,532	0,798	1,064	1,330	1,596	1,862	2,128	2,394	2,660	2,926	3,192	3,724	4,256	4,788		
XV 0M/0.76	0,75		0,499	0,713	1,069	1,425	1,781	2,138	2,494	2,850	3,206	3,563	3,919	4,275	4,988	5,700	6,413		
XV 0M/0.98	0,92		0,612	0,874	1,311	1,748	2,185	2,622	3,059	3,496	3,933	4,370	4,807	5,244					
XV 0M/1.27	1,26		0,838	1,197	1,796	2,394	2,993	3,591	4,190	4,788	5,387	5,985	6,584	7,182					
XV 0M/1.52	1,48		0,984	1,406	2,109	2,812	3,515	4,218	4,921	5,624	6,327	7,030	7,733	8,436					
XV 0M/2.30	2,28		1,516	2,166	3,249	4,332	5,415	6,498	7,581	8,664	9,747	10,830							

TYPE	cm3/ rev	Flow rate l/min	rpm											Flow rate l/min	
			700	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500		6000
XV 1M/0.9	0,91	Flow rate l/min	0,630	0,900	1,350	1,800	2,250	2,700	3,150	3,600	4,050	4,500	4,950	5,400	Flow rate l/min
XV 1M/1.2	1,17		0,840	1,200	1,800	2,400	3,000	3,600	4,200	4,800	5,400	6,000	6,600	7,200	
XV 1M/1.7	1,56		1,190	1,700	2,550	3,400	4,250	5,100	5,950	6,800	7,650	8,500	9,350	10,200	
XV 1M/2.2	2,08		1,540	2,200	3,300	4,400	5,500	6,600	7,700	8,800	9,900	11,000	12,100	13,200	
XV 1M/2.6	2,6		1,820	2,600	3,900	5,200	6,500	7,800	9,100	10,400	11,700	13,000	14,300	15,600	
XV 1M/3.2	3,12		2,240	3,200	4,800	6,400	8,000	9,600	11,200	12,800	14,400	16,000	17,600	19,200	
XV 1M/3.8	3,64		2,660	3,800	5,700	7,600	9,500	11,400	13,300	15,200	17,100	19,000	20,900	22,800	
XV 1M/4.3	4,16		3,010	4,300	6,450	8,600	10,750	12,900	15,050	17,200	19,350	21,500	23,650	25,800	
XV 1M/4.9	4,94		3,430	4,900	7,350	9,800	12,250	14,700	17,150	19,600	22,050	24,500	26,950	29,400	
XV 1M/5.9	5,85		4,130	5,900	8,850	11,800	14,750	17,700	20,650	23,600	26,550	29,500			
XV 1M/6.5	6,5		4,550	6,500	9,750	13,000	16,250	19,500	22,750	26,000	29,250	32,500			
XV 1M/7.8	7,54		5,460	7,800	11,700	15,600	19,500	23,400	27,300	31,200	35,100	39,000			
XV 1P/9.8	9,88		6,860	9,800	14,700	19,600	24,500	29,400	34,300	39,200					

TYPE	cm3/rev	rpm							
		700	1000	1500	2000	2500	3000	3500	
XV 2M/4	4,2	2,800	4,000	6,000	8,000	10,000	12,000	14,000	
XV 2M/6	6	4,200	6,000	9,000	12,000	15,000	18,000	21,000	
XV 2M/9	8,4	6,300	9,000	13,500	18,000	22,500	27,000	31,500	
XV 2M/11	10,8	7,700	11,000	16,500	22,000	27,500	33,000	38,500	
XV 2M/14	14,4	9,800	14,000	21,000	28,000	35,000	42,000	29,000	
XV 2M/17	16,8	11,900	17,000	25,500	34,000	42,500	51,000	59,500	
XV 2M/19	19,2	13,300	19,000	28,500	38,000	47,500	57,000		
XV 2M/22	22,8	15,400	22,000	33,000	44,000	55,000	66,000		
XV 2M/26	26,2	18,200	26,000	39,000	52,000	65,000	78,000		
XV 2M/30	30	21,000	30,000	45,000	60,000	75,000			
XV 2M/34	34,2	23,800	34,000	51,000	68,000	85,000			
XV 2M/40	39,6	28,000	40,000	60,000	80,000				

TYPE	cm3/rev	rpm							
		700	1000	1500	2000	2300	2500	3000	
XV 3M/15	14,89	9,90	14,15	21,22	28,29	32,54	35,37	42,44	
XV 3M/18	17,37	11,55	16,51	24,76	33,01	37,96	41,26	49,52	
XV 3M/21	21,10	14,03	20,04	30,06	40,08	46,10	50,11	60,13	
XV 3M/27	26,97	17,94	25,62	38,43	51,24	58,93	64,05	76,86	
XV 3M/32	32,27	21,46	30,65	45,98	61,31	70,50	76,63	91,96	
XV 3M/38	38,47	25,58	36,55	54,82	73,09	84,06	91,37		
XV 3M/43	43,44	28,88	41,26	61,89	82,53	94,91	103,16		
XV 3M/47	47,16	31,36	44,80	67,20	89,60	103,04	112,00		
XV 3M/51	50,88	33,84	48,34	72,51	96,67	111,17			
XV 3M/54	54,60	36,31	51,87	77,81	103,75	119,31			
XV 3M/61	60,81	40,44	57,77	86,65	115,54	132,87			
XV 3M/64	64,53	42,91	61,31	91,96	122,61	141,00			
XV 3M/70	70,74	47,04	67,20	100,80	134,40	154,56			
XV 3M/74	74,46	49,52	70,74	106,11	141,47	162,70			
XV 3M/90	86,87	57,77	82,53	123,79	165,05	189,81			