ZUBOVÉ HYDROMOTORY

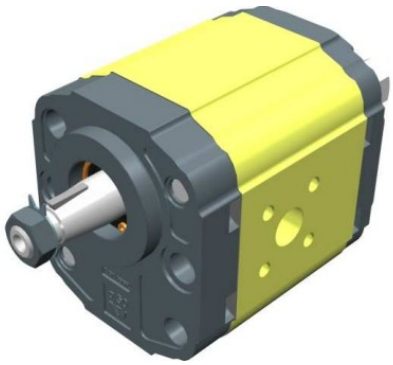
ŘADY XV-2U / XV-2M

XU201 / XM201

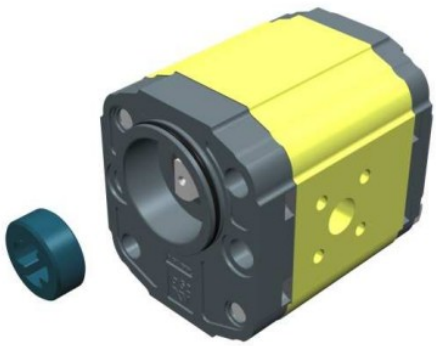
XU207 / XM207

XU210 / XM210

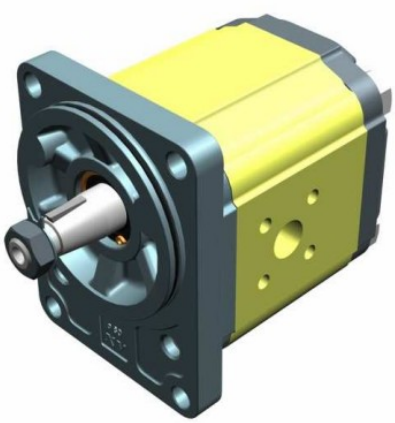
XU213 / XM213



XU216 / XM216



XU217 / XM217



Jednosměrné hydromotory XV-2U

XV-2U

XU201

STANDARD EUROPEAN MOTOR

ø36.5 FLANGE - TAPER SHAFT 50

XU207

STANDARD EUROPEAN MOTOR

ø36.5 FLANGE - TAPER SHAFT 52

XU210

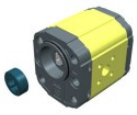
BH TYPE MOTOR

ø50 BODY-SHAPED FLANGE - TAPER SHAFT 54

XU213

HY TYPE MOTOR

ø50 BODY-SHAPED FLANGE - TAPER SHAFT 56



XU216

STANDARD GERMAN "BH" TYPE MOTOR

ø52 BODY-SHAPED FLANGE - MILLED SHANK 58

XU217

STANDARD GERMAN MOTOR

ø80 FLANGE - TAPER SHAFT 60

XU219

SAE A TYPE MOTOR

ø82.5 FLANGE - SPLINED SHAFT 62

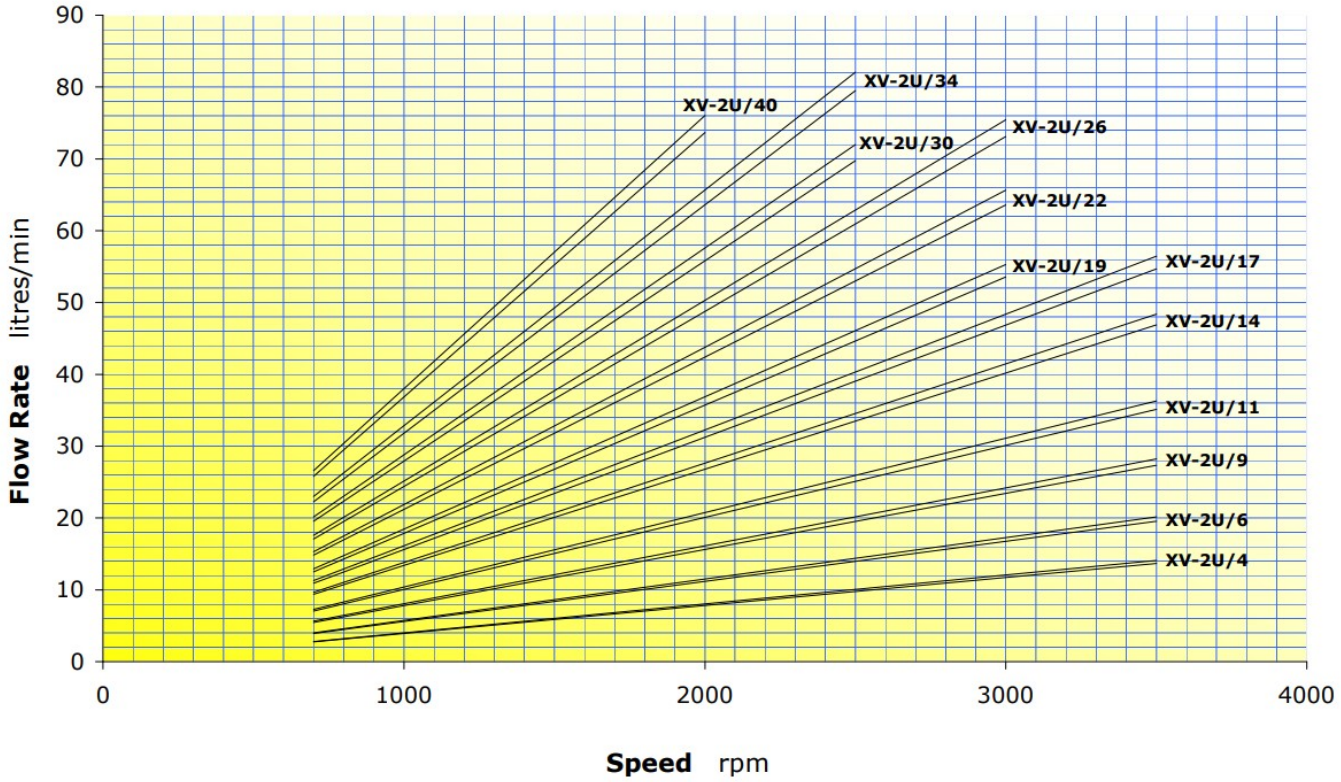
XV-2U	XV-2U/4	4.2 cm^3/rev	5,68 Nm	0,60 KW	300 bar	6 bar	30 bar	700 rev/min	3500 rev/min
	XV-2U/6	6.0 cm^3/rev	8,12 Nm	0,85 KW	300 bar	6 bar	25 bar	700 rev/min	3500 rev/min
	XV-2U/9	8.4 cm^3/rev	11,36 Nm	1,19 KW	300 bar	6 bar	20 bar	700 rev/min	3500 rev/min
	XV-2U/11	10.8 cm^3/rev	14,61 Nm	1,53 KW	300 bar	6 bar	20 bar	700 rev/min	3500 rev/min
	XV-2U/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-2U/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-2U/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-2U/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-2U/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-2U/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-2U/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-2U/40	39.6 cm^3/rev	53,57 Nm	5,61 KW	180 bar	6 bar	15 bar	700 rev/min	2000 rev/min

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

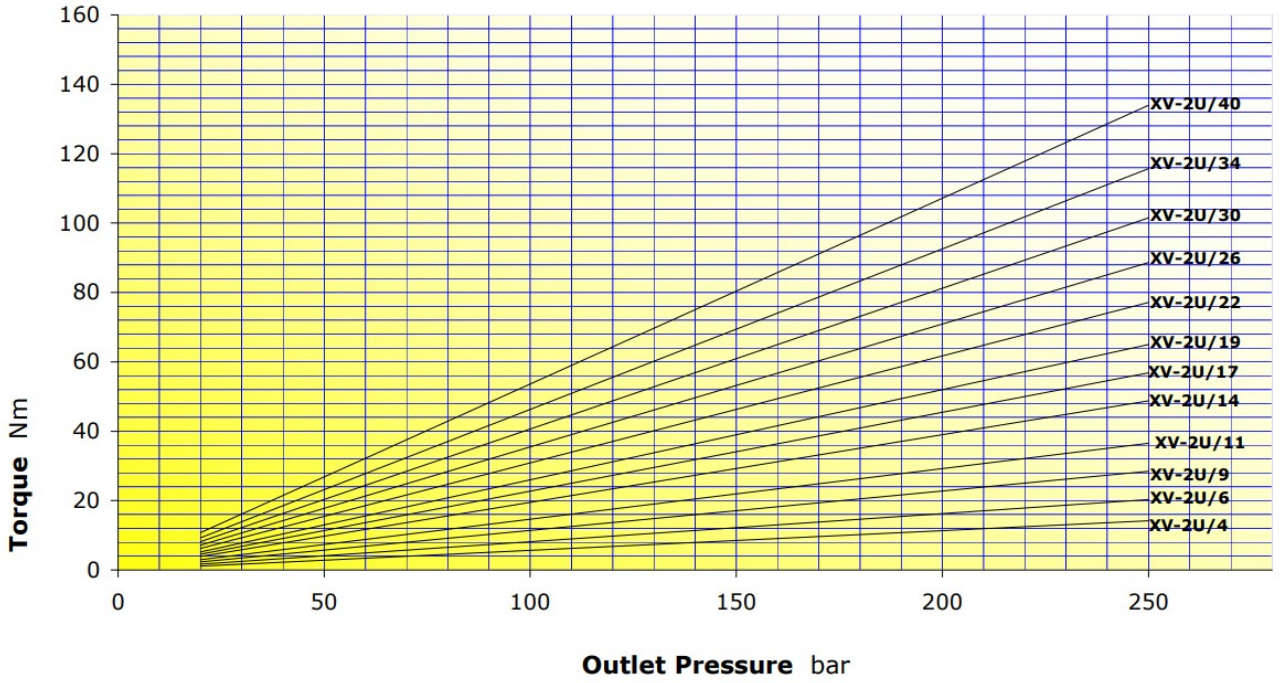
General technical data

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 ℃ - 60℃
Fluid operating temperature	-15℃ - 80℃
Recommended fluid operating temperature	30℃ - 50° C
For temperatures above 120℃	Request FKM seals (V iton)
Max. inlet fluid pressure (OUT)	0.3 - 0.5 bars (for higher pressures consult the manufacturer)
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

XV-2U CHARACTERISTIC FLOW RATE CURVES



XV-2U MOTOR TORQUE



Reverzační hydromotory XV-2M

XV-2M

XM201

STANDARD EUROPEAN MOTOR

ø36.5 FLANGE - TAPER SHAFT

XM207

STANDARD EUROPEAN MOTOR

ø36.5 FLANGE - TAPER SHAFT

XM210

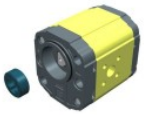
BH TYPE MOTOR

ø50 BODY-SHAPED FLANGE - TAPER SHAFT

XM213

HY TYPE MOTOR

ø50 BODY-SHAPED FLANGE - TAPER SHAFT



XM216

STANDARD GERMAN "BH" TYPE MOTOR

ø52 BODY-SHAPED FLANGE - MILLED SHANK

XM217

STANDARD GERMAN MOTOR

ø80 FLANGE - TAPER SHAFT

XM219

SAE A TYPE MOTOR

ø82.5 FLANGE - SPLINED SHAFT

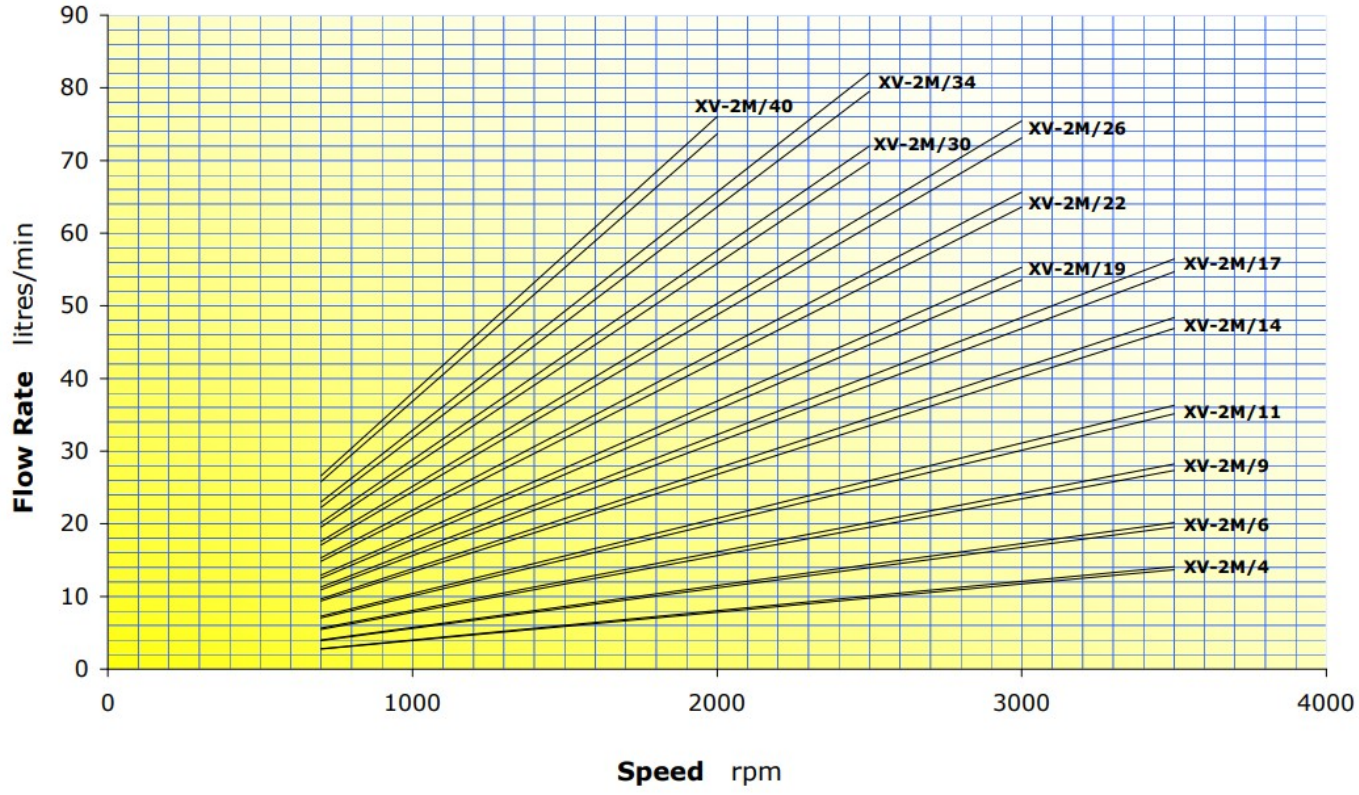
XV-2M	**XV-2M/4**	4.2 cm^3/rev	5,68 Nm	0,60 KW	300 bar	6 bar	30 bar	700 rev/min	3500 rev/min
	XV-2M/6	6.0 cm^3/rev	8,12 Nm	0,85 KW	300 bar	6 bar	25 bar	700 rev/min	3500 rev/min
	XV-2M/9	8.4 cm^3/rev	11,36 Nm	1,19 KW	300 bar	6 bar	20 bar	700 rev/min	3500 rev/min
	XV-2M/11	10.8 cm^3/rev	14,61 Nm	1,53 KW	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-2M/40	39.6 cm^3/rev	53,57 Nm	5,61 KW	180 bar	6 bar	15 bar	700 rev/min	2000 rev/min

TYPE	cm3/rev		rpm							
			700	1000	1500	2000	2500	3000	3500	
XV 2M/4	4,2	Flow rate l/min	2,800	4,000	6,000	8,000	10,000	12,000	14,000	Flow rate l/min
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				

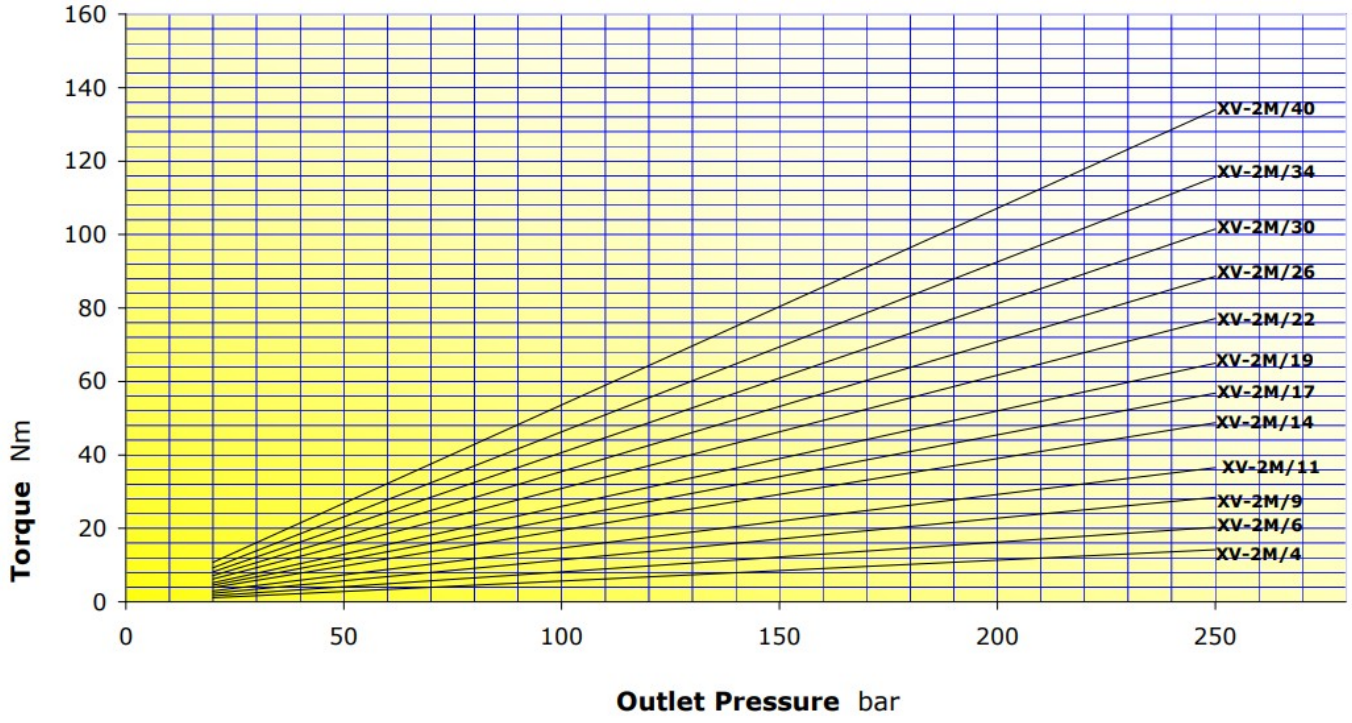
General technical data

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 ℃ - 60℃
Fluid operating temperature	-15℃ - 80℃
Recommended fluid operating temperature	30℃ – 50° C
For temperatures above 120℃	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

XV-2M CHARACTERISTIC FLOW RATE CURVES



XV-2M MOTOR TORQUE



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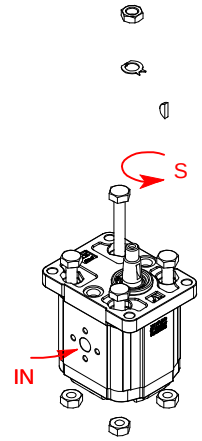
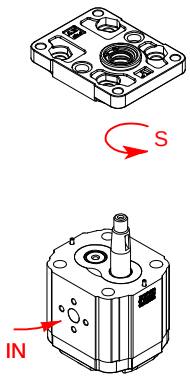
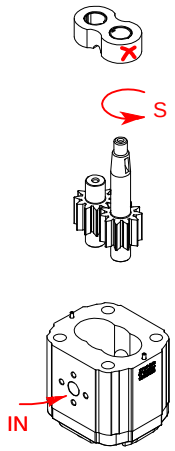
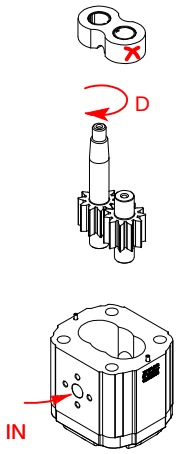
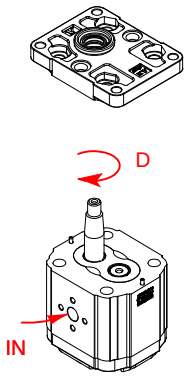
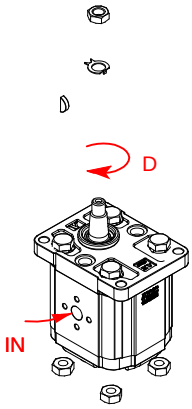
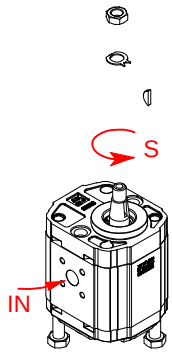
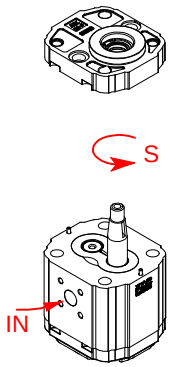
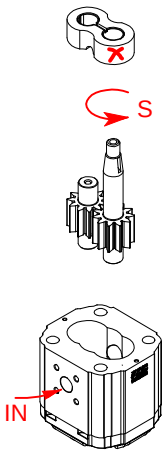
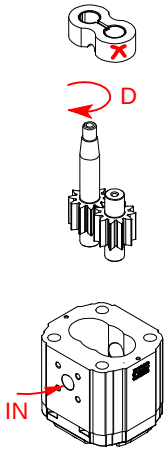
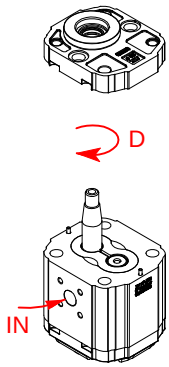
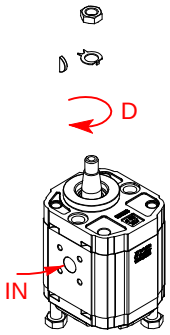
XV2-U with Flange ø36,5 (ref. XU- 201)

When changing the direction of rotation of the XV-2P motor, it is not necessary to change the flange, as the same one is used.
When disassembling and reassembling the motor, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the motor.

FLANGE ø36,5 (ref. XU- 201)					
					
Remove the key, nut and washer from the shaft. Loosen and remove the fastening screws.	Take off the flange.	Take out the gears and upper bush. Warning!! The bush **must <u>never</u>** be turned.	Invert the positions of the driven and driving shafts. Warning! The body and cover must not be turned. Use the marking on the body as your reference.	Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.	Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9 Nm. Check that the shaft turns on completing the operation.
Note: with this rotation change system, the **inlets** and **outlets** remain unchanged.					

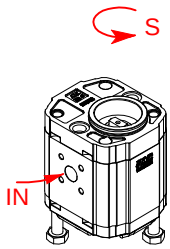
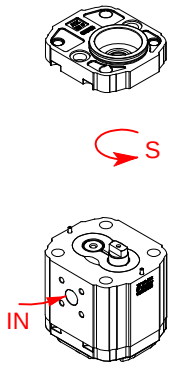
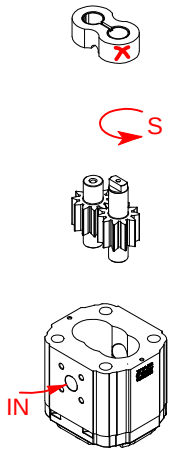
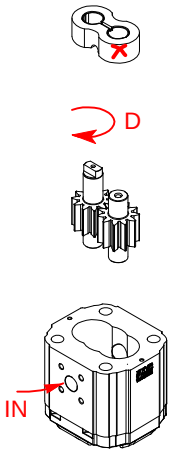
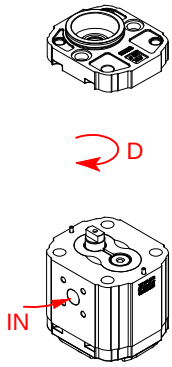
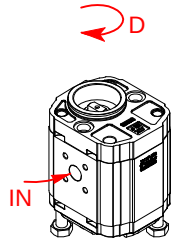
XV2-U with Flange ø50 BH-HY (ref. da XU- 210 a: XU- 213)

When changing the direction of rotation of the XV-2P motor, it is not necessary to change the flange, as the same one is used.
When disassembling and reassembling the motor, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the motor.

FLANGE ø50 BH-HY (ref. da XU- 210 a: XU- 213)					
					
Remove the key, nut and washer from the shaft. Loosen and remove the fastening screws.	Take off the flange.	Take out the gears and upper bush. Warning!! The bush **must <u>never</u>** be turned.	Invert the positions of the driven and driving shafts. Warning! The body and cover must not be turned. Use the marking on the body as your reference.	Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.	Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9Nm. Check that the shaft turns on completing the operation.
Note: with this rotation change system, the **inlets** and **outlets** remain unchanged.					

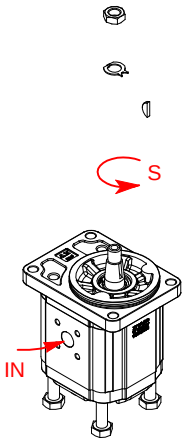
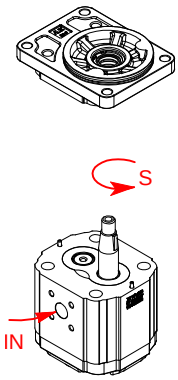
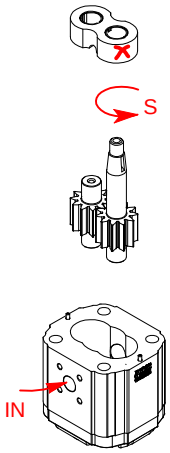
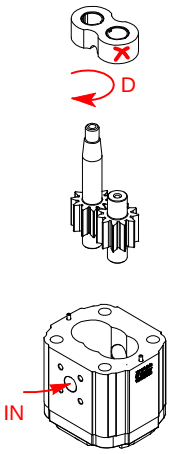
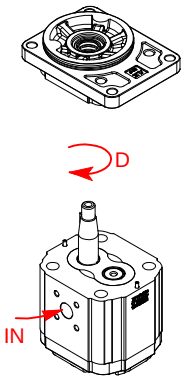
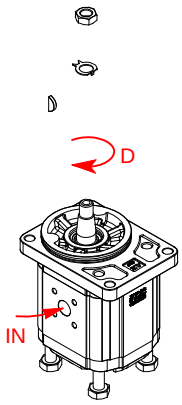
XV2-U **with Flange ø52 BH** (ref. XU- 216)

When changing the direction of rotation of the XV-2P motor, it is not necessary to change the flange, as the same one is used.
When disassembling and reassembling the motor, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the motor.

FLANGE ø52 BH (ref.XU- 216)					
					
Loosen and remove the fastening screws.	Take off the flange.	Take out the gears and upper bush. Warning!! The bush must never be turned.	Invert the positions of the driven and driving shafts. Warning! The body and cover must not be turned. Use the marking on the body as your reference.	Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.	Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9Nm. Check that the shaft turns on completing the operation.
Note: with this rotation change system, the **inlets** and **outlets** remain unchanged.					

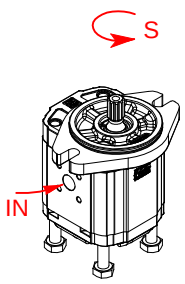
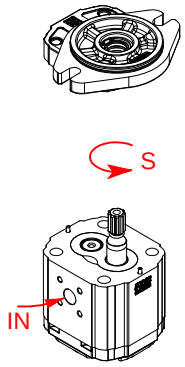
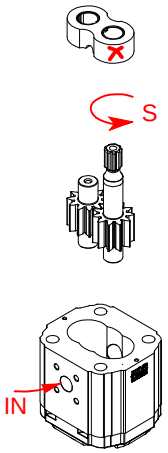
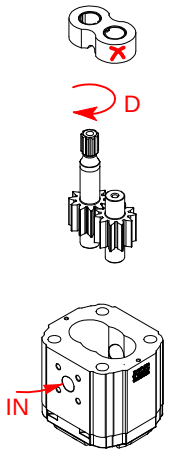
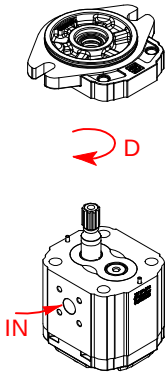
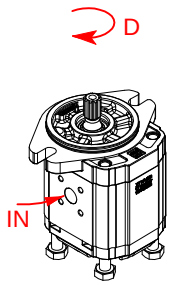
XV2-U with Flange ø80 (ref. XU- 217)

When changing the direction of rotation of the XV-2P motor, it is not necessary to change the flange, as the same one is used.
When disassembling and reassembling the motor, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the motor.

FLANGE ø80 (ref.XU- 217)					
					
Remove the key, nut and washer from the shaft. Loosen and remove the fastening screws.	Take off the flange.	Take out the gears and upper bush. Warning!! The bush **must <u>never</u>** be turned.	Invert the positions of the driven and driving shafts. Warning! The body and cover must not be turned. Use the marking on the body as your reference.	Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.	Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9 Nm. Check that the shaft turns on completing the operation.
Note: with this rotation change system, the **inlets** and **outlets** remain unchanged.					

XV2-U with Flange ø82,5 SAE-A (ref. da XU- 219 a: XU- 224)

When changing the direction of rotation of the XV-2P motor, it is not necessary to change the flange, as the same one is used.
When disassembling and reassembling the motor, take special care to ensure that seals and back-up rings do not come out of place and that no foreign bodies, such as shavings or dirt in general, get inside the motor.

FLANGE ø82,5 SAE-A *(ref. XU- 219)*					
					
Loosen and remove the fastening screws.	Take off the flange.	Take out the gears and upper bush. Warning!! The bush **must never** be turned.	Invert the positions of the driven and driving shafts. Warning! The body and cover must not be turned. Use the marking on the body as your reference.	Fit the previously removed flange back in place taking care to clean the body-base contact surfaces.	Replace the screws and tighten the nuts with a torque of 54 Nm to 58.9Nm. Check that the shaft turns on completing the operation.
Note: with this rotation change system, the **inlets** and **outlets** remain unchanged.					

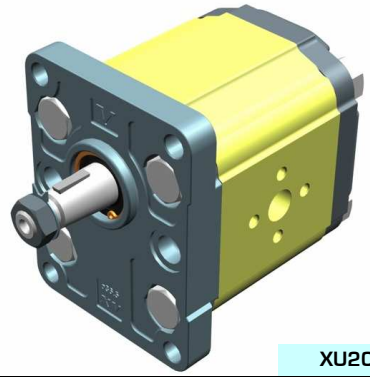
unidirectional motor - series XV

STANDARD EUROPEAN MOTOR
ø36.5 FLANGE - TAPER SHAFT

XV-2U

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

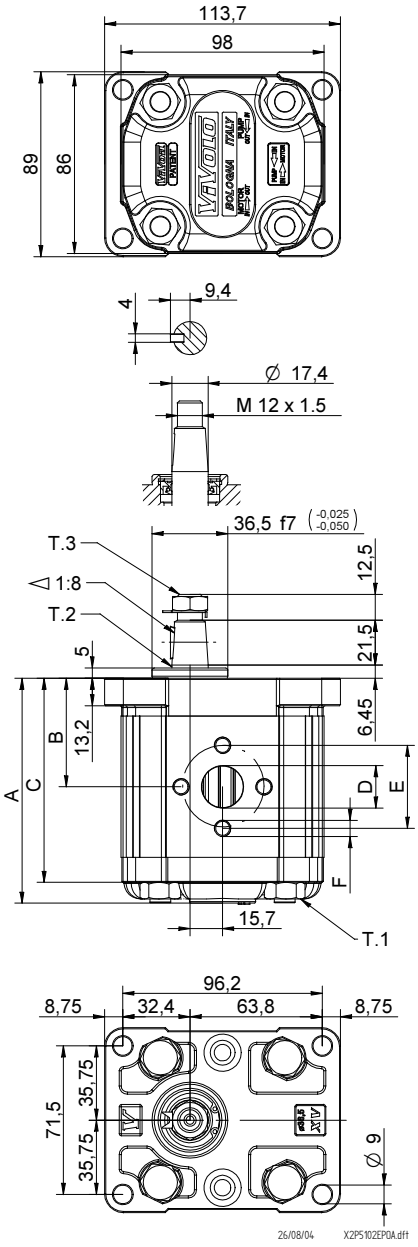
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
XV-2U/04	4,20	260	300	X 2 U 41 01 E O O A	X 2 U 41 02 E O O A
XV-2U/06	6,00	260	300	X 2 U 43 01 E O O A	X 2 U 43 02 E O O A
XV-2U/09	8,40	260	300	X 2 U 45 01 E O O A	X 2 U 45 02 E O O A
XV-2U/11	10,80	260	300	X 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



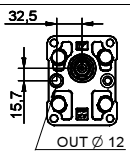
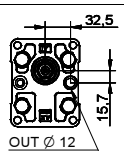
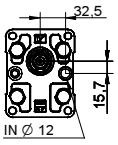
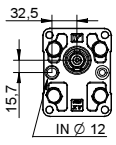
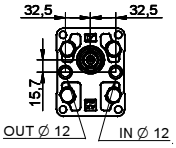
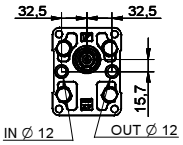
T.1 = 54÷58.9 [Nm] - screw tightening torque M10 T.3 = 40 [Nm] - torque wrench setting 19

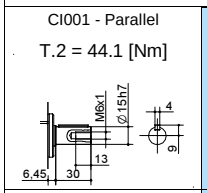
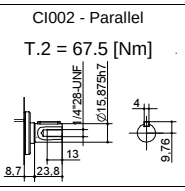
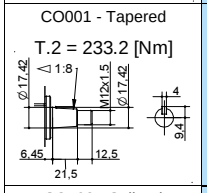
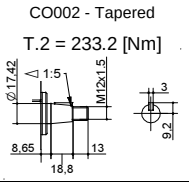
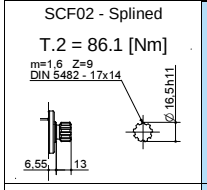
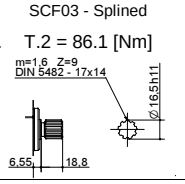
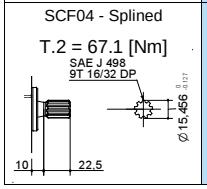
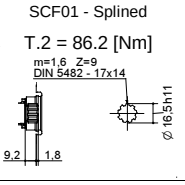
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

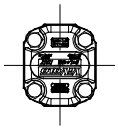
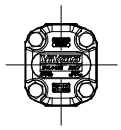
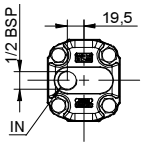
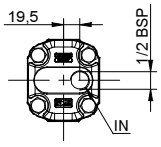
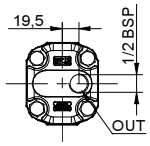
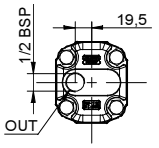
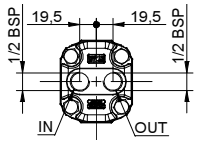
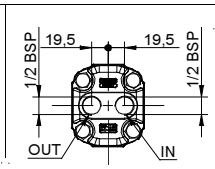
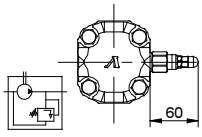
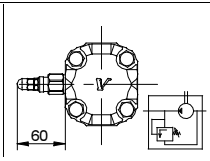
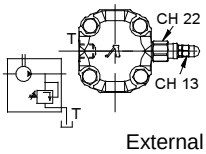
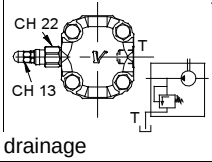
Table of variations

XV-2U

ø36.5 FLANGE

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

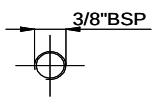
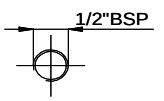
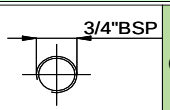
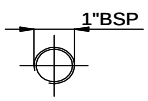
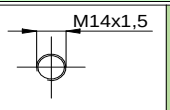
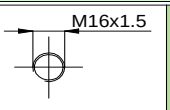
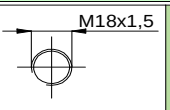
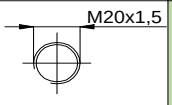
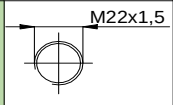
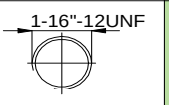
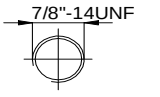
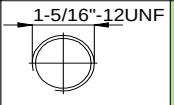
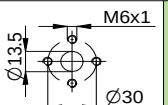
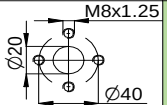
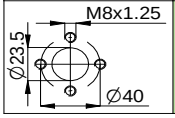
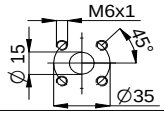
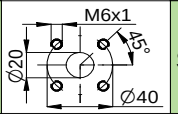
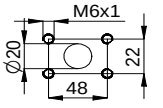
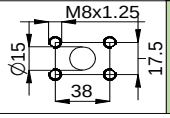
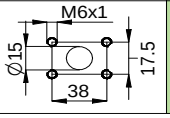
Shaft			
	A		B
	E		F
	G		H
	I		L

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
		N
Internal drainage		
		O
External drainage		

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		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

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
Body OUT	B	outlet - 1/2" GAS
Cover	A	standard

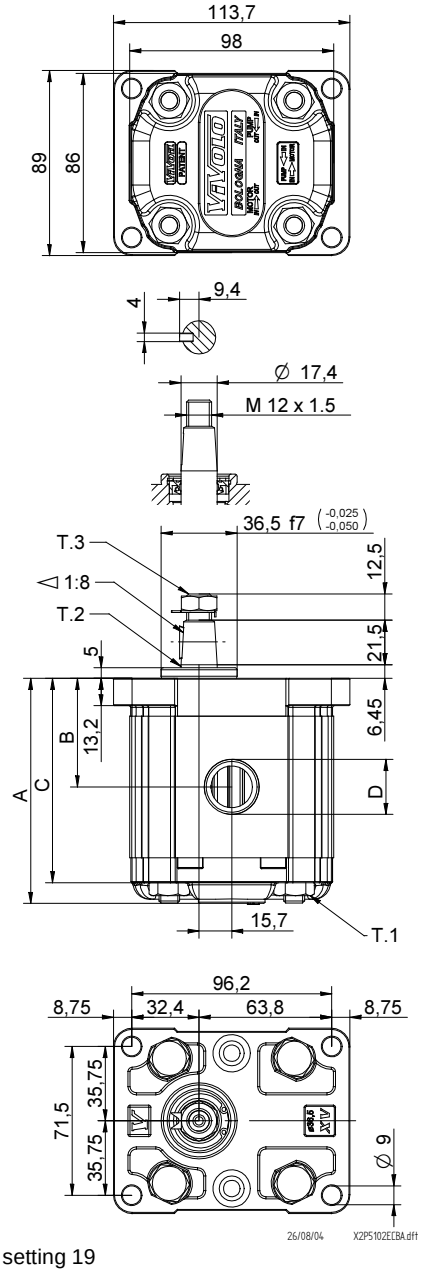
Technical data table

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 B B A	X 2 U 41 02 E B B A
XV-2U/06	6,00	260	300	X 2 U 43 01 E B B A	X 2 U 43 02 E B B A
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
XV-2U/26	26,20	170	210	X 2 U 57 01 E D C A	X 2 U 57 02 E D C A
XV-2U/30	30,00	160	200	X 2 U 59 01 E D C A	X 2 U 59 02 E D C A
XV-2U/34	34,20	150	190	X 2 U 61 01 E D C A	X 2 U 61 02 E D C A
XV-2U/40	39,60	140	180	X 2 U 63 01 E D C A	X 2 U 63 02 E D C 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	D
	kg	mm	mm	mm	IN	OUT
XV-2U/04	2,200	87,2	41,7	77,2	1/2" BSPP	1/2" BSPP
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
XV-2U/17	2,800	108,2	52,2	98,2	3/4" BSPP	1/2" BSPP
XV-2U/19	2,900	112,2	54,2	102,2	3/4" BSPP	1/2" BSPP
XV-2U/22	3,050	118,2	57,2	108,2	3/4" BSPP	1/2" BSPP
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

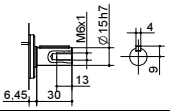
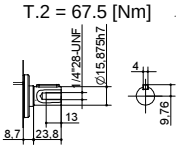
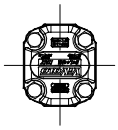
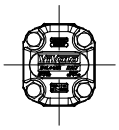
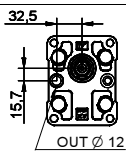
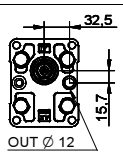
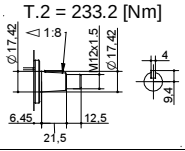
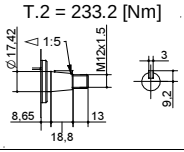
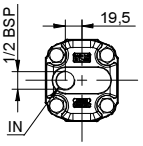
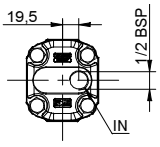
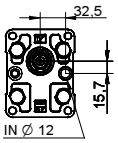
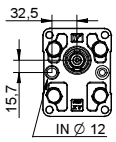
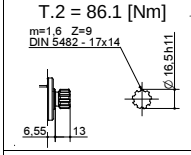
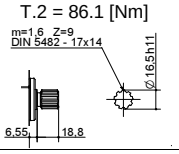
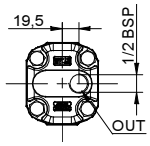
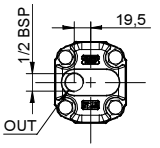
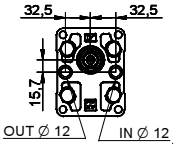
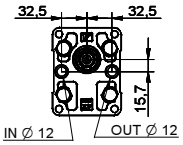
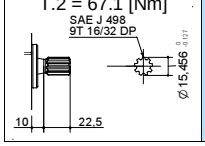
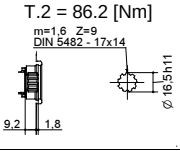
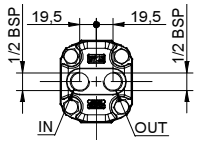
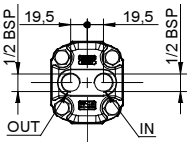
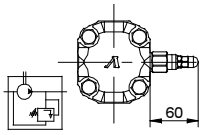
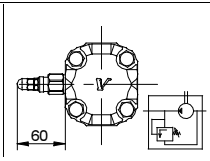
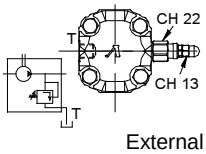
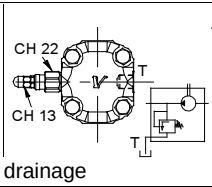


T.1 = 54÷58.9 [Nm] - screw tightening torque M10 T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

ø36.5 FLANGE

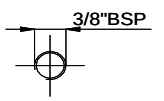
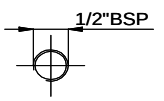
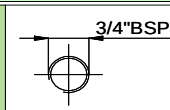
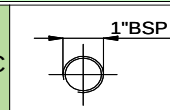
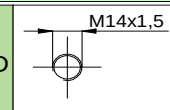
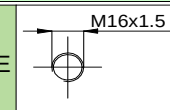
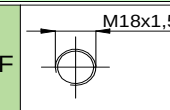
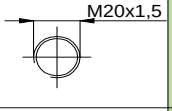
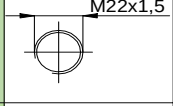
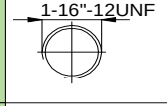
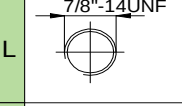
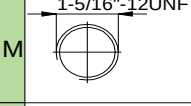
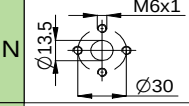
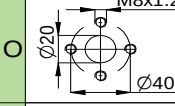
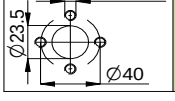
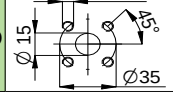
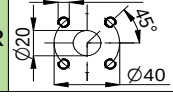
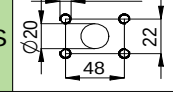
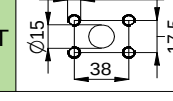
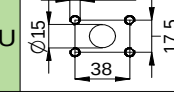
XV-2U

ø36.5 FLANGE				Shaft				Cover		
Left rotation		Right rotation						Left rotation	Right rotation	
	01		02	CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B			A
	03		04	CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F			B
	05		06	SCF02 - Splined T.2 = 86.1 [Nm] 	G	SCF03 - Splined T.2 = 86.1 [Nm] 	H			C
	07		08	SCF04 - Splined T.2 = 67.1 [Nm] 	I	SCF01 - Splined T.2 = 86.2 [Nm] 	L			D
								 Internal drainage		N
								 External drainage		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

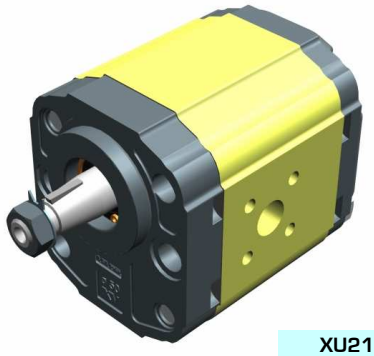
Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - 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		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

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 STARDARDIZED right rotation
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	S	inlet - Ø40 a 45° Ø20 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	A	standard

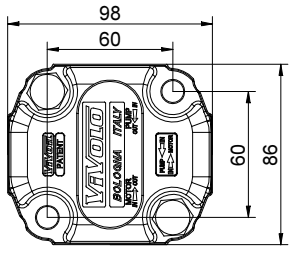


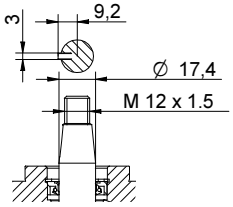
XU210

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 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

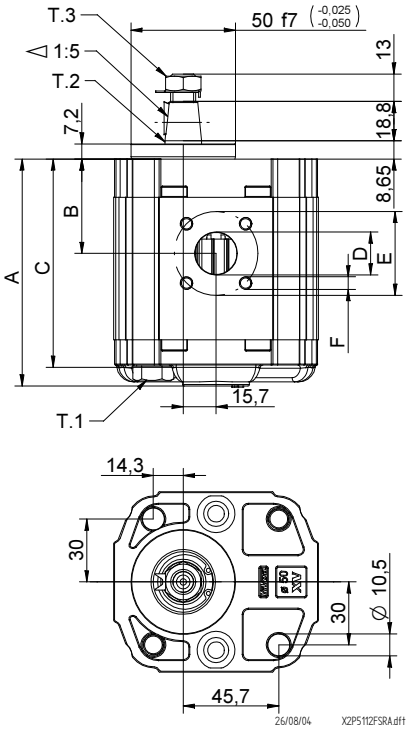
P1) Max. working pressure - P3) Max. peak pressure
For heavy-duty applications, it is recommended to check the admissible torque of the shaft





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

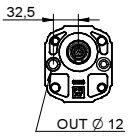
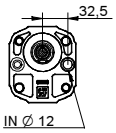
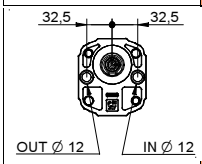
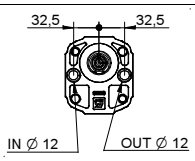


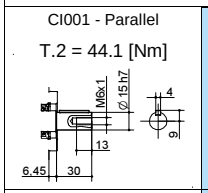
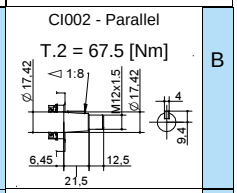
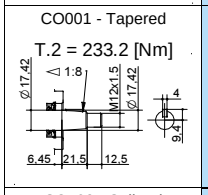
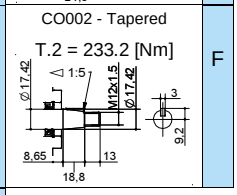
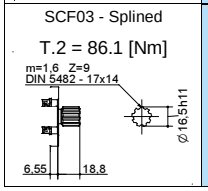
T.1 = 54÷58.9 [Nm] - screw tightening torque M10 T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

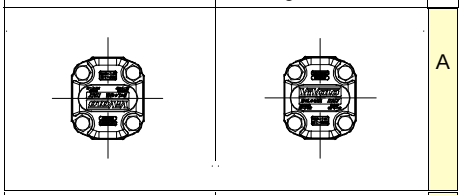
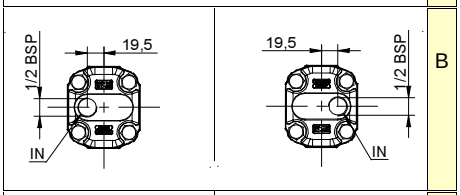
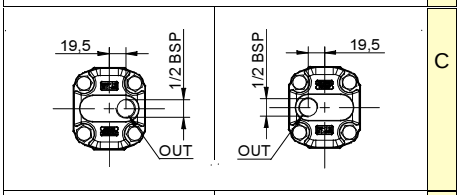
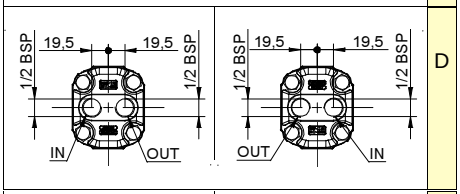
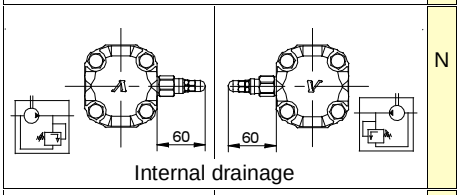
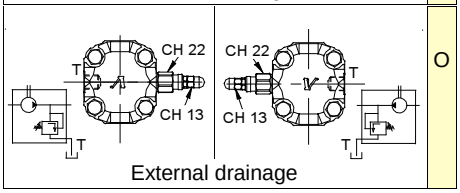
Table of variations

ø50 "BH" Body-Shaped FLANGE

XV-2U

ø50 "BH" Body-Shaped FLANGE			
Left rotation		Right rotation	
	11		12
	13		14
	15		16
	17		18

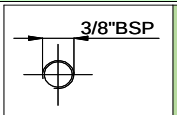
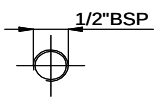
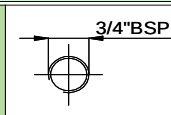
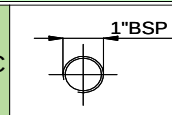
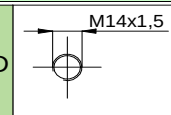
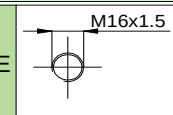
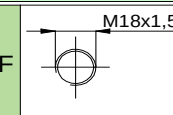
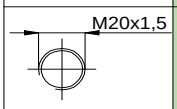
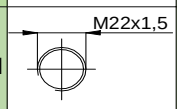
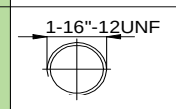
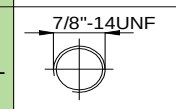
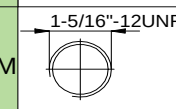
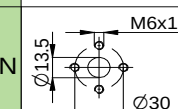
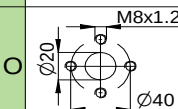
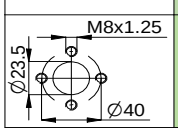
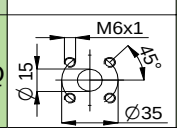
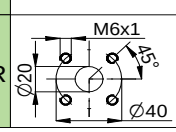
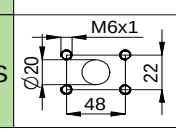
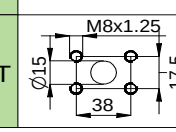
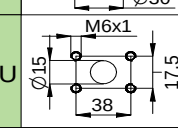
Shaft			
	A		B
	E		F
	H		

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
	Internal drainage	N
	External drainage	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**

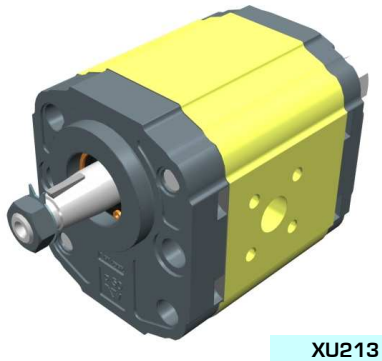
Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - 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		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

X	2	U	51	22	F	S	R	A

Series	X	series XV
Group	2	group 2
Category	U	unidirectional motor
Displacement	51	17
Flange	22	Ø50 HY GERMAN STARDARDIZED right rotation
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	S	inlet - Ø40 a 45° Ø20 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	A	standard



XU213

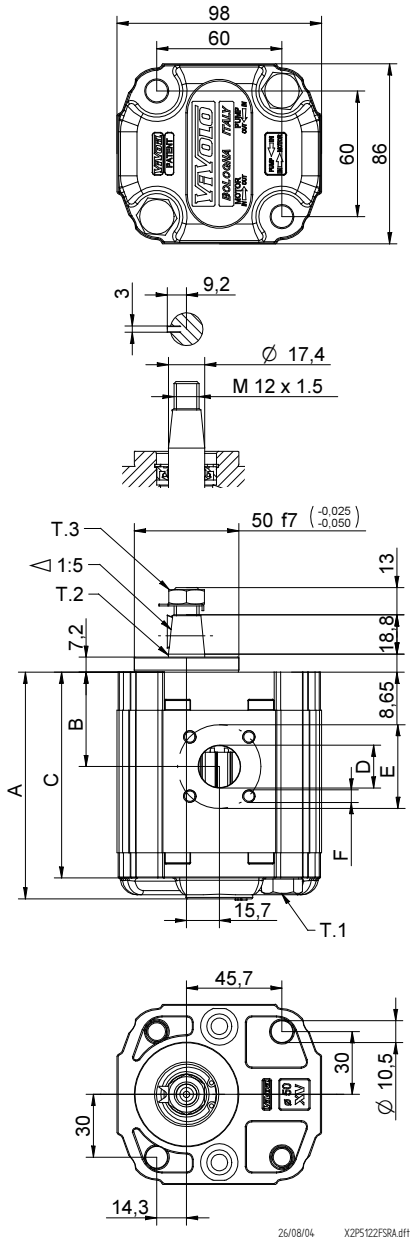
Technical data table

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 21 F S R A	X 2 U 41 22 F S R A
XV-2U/06	6,00	260	300	X 2 U 43 21 F S R A	X 2 U 43 22 F S R A
XV-2U/09	8,40	260	300	X 2 U 45 21 F S R A	X 2 U 45 22 F S R A
XV-2U/11	10,80	260	300	X 2 U 47 21 F S R A	X 2 U 47 22 F S R A
XV-2U/14	14,40	250	290	X 2 U 49 21 F S R A	X 2 U 49 22 F S R A
XV-2U/17	16,80	230	270	X 2 U 51 21 F S R A	X 2 U 51 22 F S R A
XV-2U/19	19,20	210	250	X 2 U 53 21 F S R A	X 2 U 53 22 F S R A
XV-2U/22	22,80	200	240	X 2 U 55 21 F S R A	X 2 U 55 22 F S R A
XV-2U/26	26,20	170	210	X 2 U 57 21 F S R A	X 2 U 57 22 F S R A
XV-2U/30	30,00	160	200	X 2 U 59 21 F S S A	X 2 U 59 22 F S S A
XV-2U/34	34,20	150	190	X 2 U 61 21 F S S A	X 2 U 61 22 F S S A
XV-2U/40	39,60	140	180	X 2 U 63 21 F S S A	X 2 U 63 22 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



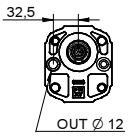
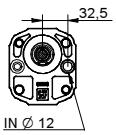
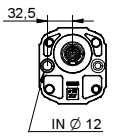
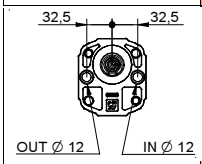
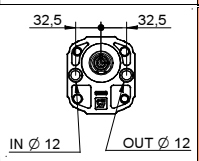
T.1 = 54÷58.9 [Nm] - screw tightening torque M10 T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

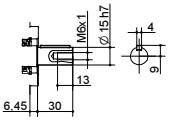
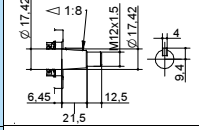
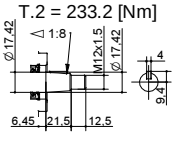
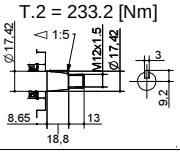
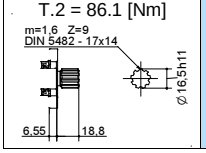
ø50 "HY" Body-Shaped FLANGE

XV-2U

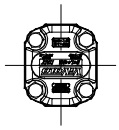
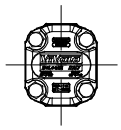
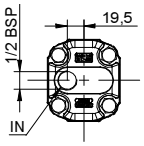
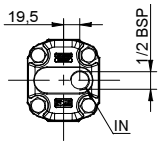
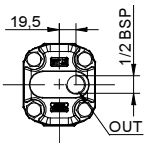
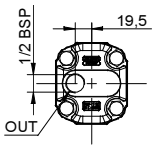
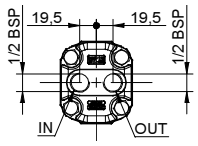
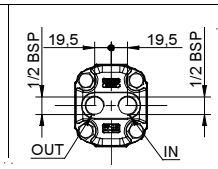
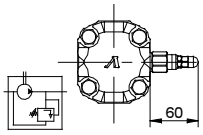
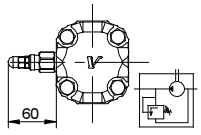
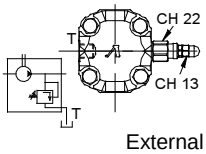
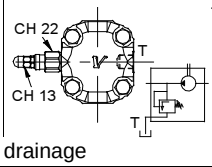
ø50 "HY" Body-Shaped FLANGE

Left rotation		Right rotation	
	21		22
	23		24
	25		26
	27		28

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
SCF03 - Splined T.2 = 86.1 [Nm] 	H		

Cover

Left rotation	Right rotation	
		A
		B
		C
		D
 Internal drainage		N
 External drainage		O

Displacement

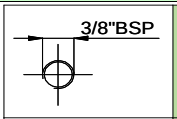
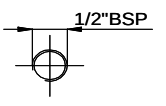
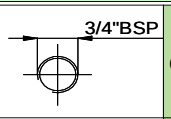
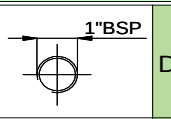
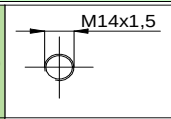
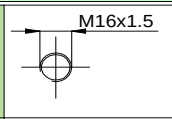
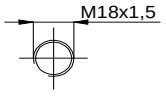
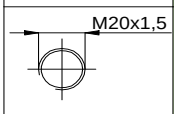
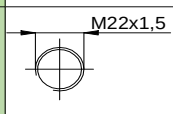
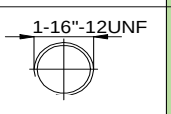
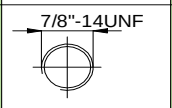
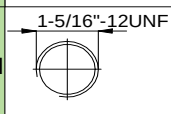
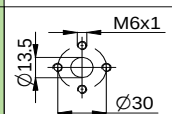
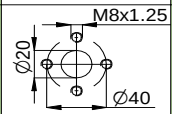
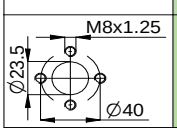
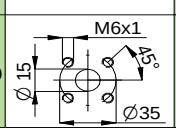
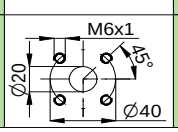
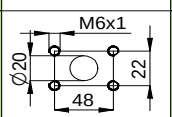
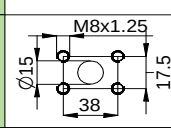
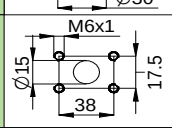
TYPE	CODE
XV-2U/04	**41**
XV-2U/06	**43**
XV-2U/09	**45**
XV-2U/11	**47**
XV-2U/14	**49**
XV-2U/17	**51**
XV-2U/19	**53**
XV-2U/22	**55**
XV-2U/26	**57**
XV-2U/30	**59**
XV-2U/34	**61**
XV-2U/40	**63**

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

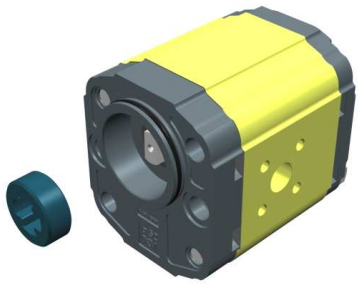
Body (threads/flanges)

	A		B		C		D		E		F		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

STANDARD GERMAN "BH" TYPE MOTOR
ø52 BODY-SHAPED FLANGE - MILLED SHANK

X	2	U	51	32	C	S	R	A

Series	X	series XV
Group	2	group 2
Category	U	unidirectional motor
Displacement	51	17
Flange	32	Ø52 GERMAN STARDARDIZED right rotation (with OR)
Shaft	C	CF001 - Milled shank ø15 - thk.8 ("BH" Standard German)
Body IN	S	inlet - Ø40 a 45° Ø20 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	A	standard



XU216

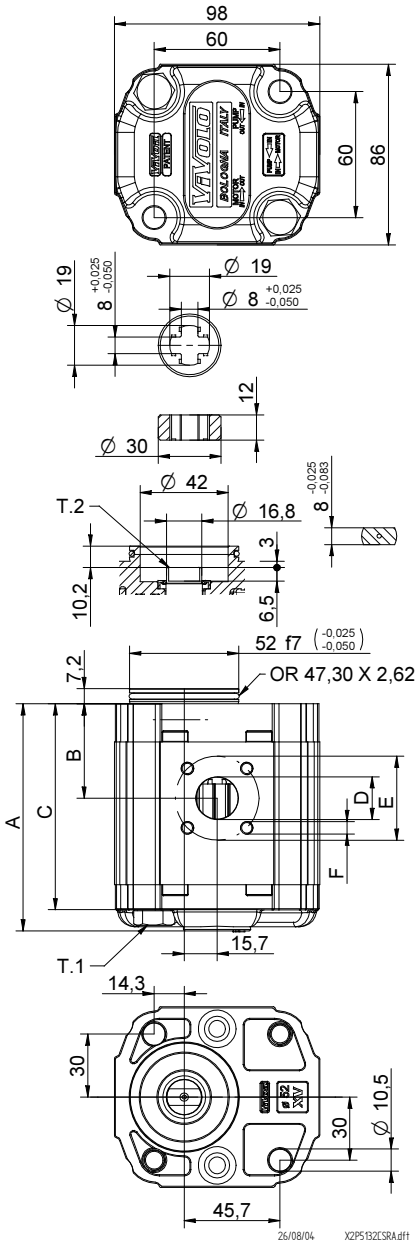
Technical data table

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 31 C S R A	X 2 U 41 32 C S R A
XV-2U/06	6,00	260	300	X 2 U 43 31 C S R A	X 2 U 43 32 C S R A
XV-2U/09	8,40	260	300	X 2 U 45 31 C S R A	X 2 U 45 32 C S R A
XV-2U/11	10,80	260	300	X 2 U 47 31 C S R A	X 2 U 47 32 C S R A
XV-2U/14	14,40	250	290	X 2 U 49 31 C S R A	X 2 U 49 32 C S R A
XV-2U/17	16,80	230	270	X 2 U 51 31 C S R A	X 2 U 51 32 C S R A
XV-2U/19	19,20	210	250	X 2 U 53 31 C S R A	X 2 U 53 32 C S R A
XV-2U/22	22,80	200	240	X 2 U 55 31 C S R A	X 2 U 55 32 C S R A
XV-2U/26	26,20	170	210	X 2 U 57 31 C S R A	X 2 U 57 32 C S R A
XV-2U/30	30,00	160	200	X 2 U 59 31 C S S A	X 2 U 59 32 C S S A
XV-2U/34	34,20	150	190	X 2 U 61 31 C S S A	X 2 U 61 32 C S S A
XV-2U/40	39,60	140	180	X 2 U 63 31 C S S A	X 2 U 63 32 C 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

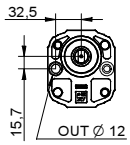
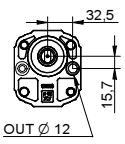
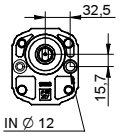
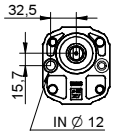
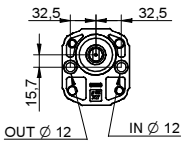
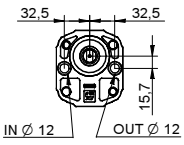


T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.2 = 60.5 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

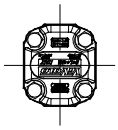
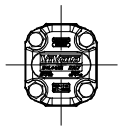
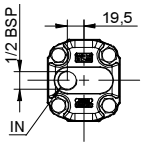
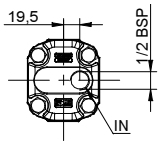
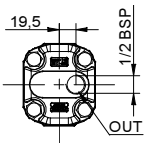
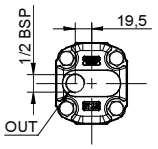
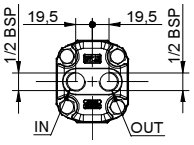
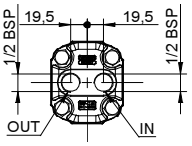
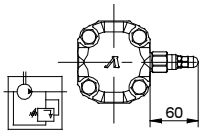
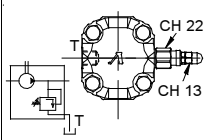
Table of variations

Standard German ø52 "BH" FLANGE

XV-2U

Standard German ø52 "BH" FLANGE			
Left rotation		Right rotation	
	31		32
	33		34
	35		36
	37		38

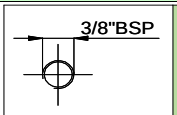
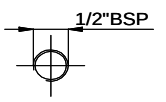
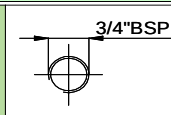
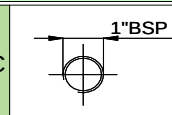
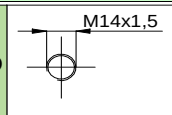
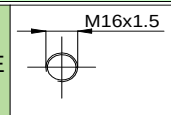
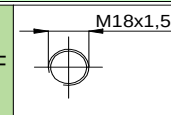
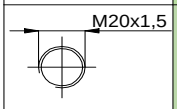
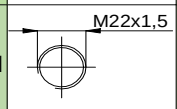
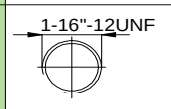
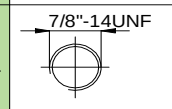
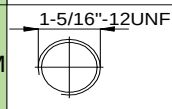
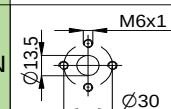
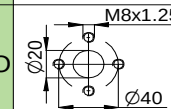
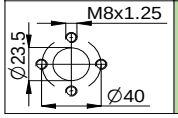
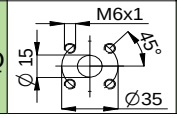
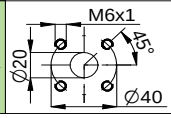
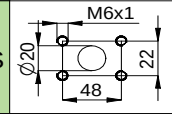
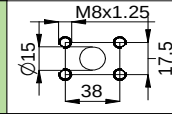
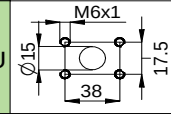
Shaft			
CF001 - Milled shank T.2 = 60.5 [Nm]	C	SCF05 - Splined T.2 = 86.2 [Nm]	K
SCF01 - Splined T.2 = 86.2 [Nm]	L		

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
 Internal drainage		N
 External drainage		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		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

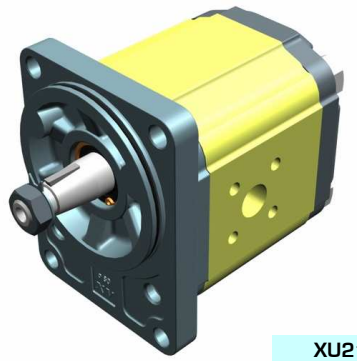
unidirectional motor - series XV

STANDARD GERMAN MOTOR
ø80 FLANGE - TAPER SHAFT

XV-2U

X	2	U	51	42	F	S	R	A

Series	X	series XV
Group	2	group 2
Category	U	unidirectional motor
Displacement	51	17
Flange	42	Ø80 GERMAN STARDARDIZED right rotation (with OR)
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	S	inlet - Ø40 a 45° Ø20 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	A	standard



XU217

Technical data table

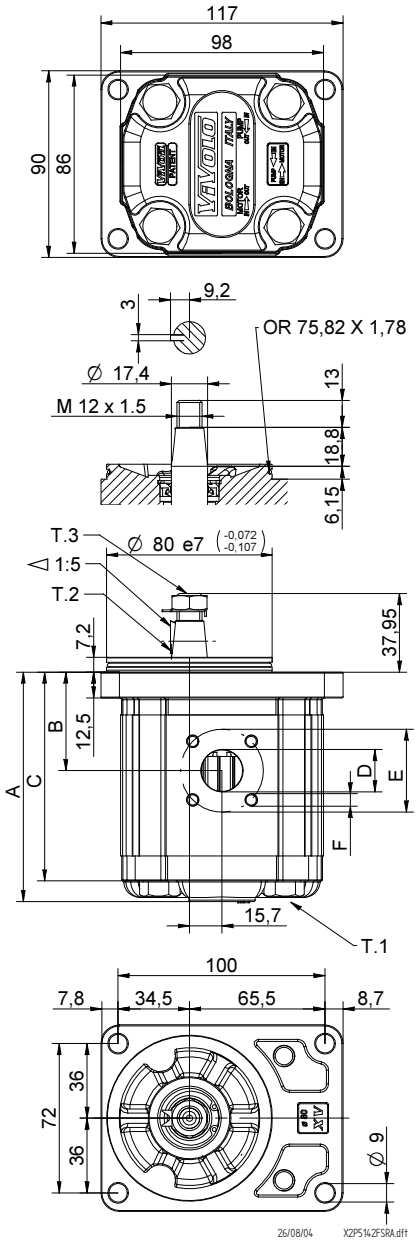
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
XV-2U/04	4,20	260	300	X 2 U 41 41 F S R A	X 2 U 41 42 F S R A
XV-2U/06	6,00	260	300	X 2 U 43 41 F S R A	X 2 U 43 42 F S R A
XV-2U/09	8,40	260	300	X 2 U 45 41 F S R A	X 2 U 45 42 F S R A
XV-2U/11	10,80	260	300	X 2 U 47 41 F S R A	X 2 U 47 42 F S R A
XV-2U/14	14,40	250	290	X 2 U 49 41 F S R A	X 2 U 49 42 F S R A
XV-2U/17	16,80	230	270	X 2 U 51 41 F S R A	X 2 U 51 42 F S R A
XV-2U/19	19,20	210	250	X 2 U 53 41 F S R A	X 2 U 53 42 F S R A
XV-2U/22	22,80	200	240	X 2 U 55 41 F S R A	X 2 U 55 42 F S R A
XV-2U/26	26,20	170	210	X 2 U 57 41 F S R A	X 2 U 57 42 F S R A
XV-2U/30	30,00	160	200	X 2 U 59 41 F S S A	X 2 U 59 42 F S S A
XV-2U/34	34,20	150	190	X 2 U 61 41 F S S A	X 2 U 61 42 F S S A
XV-2U/40	39,60	140	180	X 2 U 63 41 F S S A	X 2 U 63 42 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	2,330	89,7	41,1	79,7	ø15	35	M6x1	ø20	40	M6x1
XV-2U/06	2,430	92,7	41,1	82,7	ø15	35	M6x1	ø20	40	M6x2
XV-2U/09	2,530	96,7	43,1	86,7	ø15	35	M6x1	ø20	40	M6x3
XV-2U/11	2,630	100,7	47,5	90,7	ø15	35	M6x1	ø20	40	M6x4
XV-2U/14	2,730	106,7	47,5	96,7	ø15	35	M6x1	ø20	40	M6x5
XV-2U/17	2,830	110,7	47,5	100,7	ø15	35	M6x1	ø20	40	M6x6
XV-2U/19	2,930	114,7	47,5	104,7	ø15	35	M6x1	ø20	40	M6x7
XV-2U/22	3,180	120,7	55,0	110,7	ø15	35	M6x1	ø20	40	M6x8
XV-2U/26	3,280	124,7	55,0	114,7	ø15	35	M6x1	ø20	40	M6x9
XV-2U/30	3,530	132,7	63,2	122,7	ø20	40	M6x1	ø20	40	M6x10
XV-2U/34	3,730	139,7	63,2	129,7	ø20	40	M6x1	ø20	40	M6x11
XV-2U/40	3,930	148,7	63,2	138,7	ø20	40	M6x1	ø20	40	M6x12



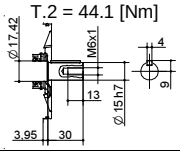
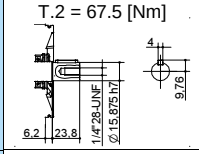
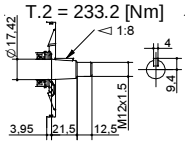
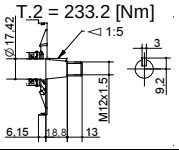
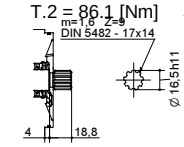
T.1 = 54÷58.9 [Nm] - screw tightening torque M10 T.3 = 40 [Nm] - torque wrench setting 19

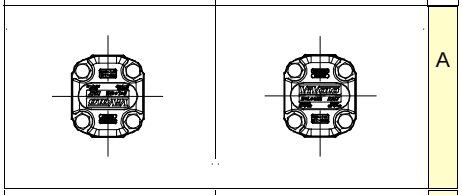
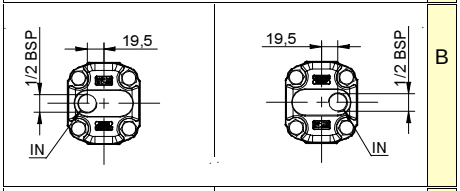
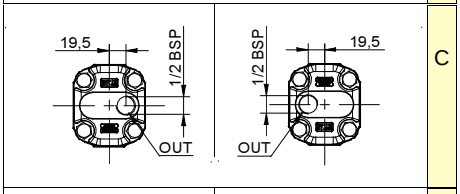
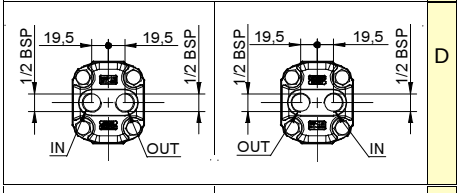
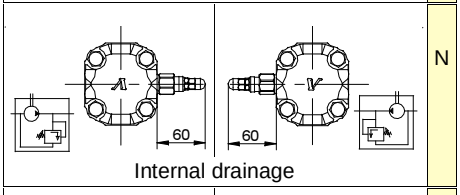
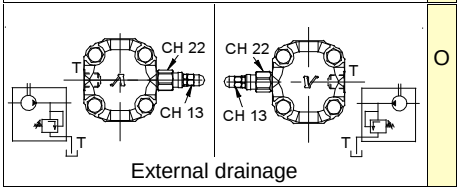
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

ø80 FLANGE

ø80 FLANGE			
Left rotation		Right rotation	
	41		42

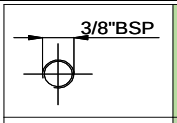
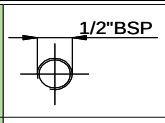
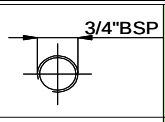
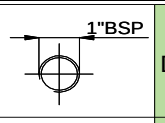
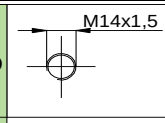
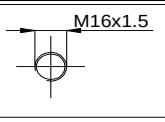
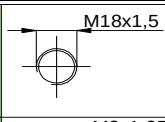
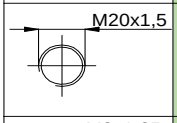
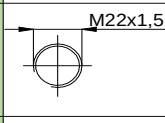
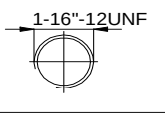
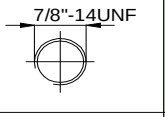
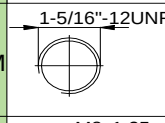
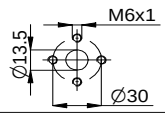
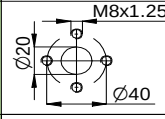
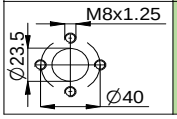
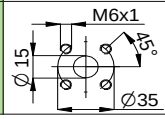
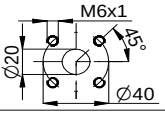
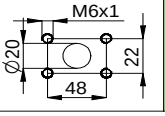
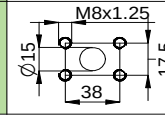
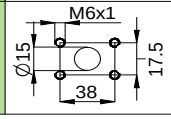
Shaft			
CI001 - Parallel T.2 = 44.1 [Nm]	A	CI002 - Parallel T.2 = 67.5 [Nm]	B
			
CO001 - Tapered T.2 = 233.2 [Nm]	E	CO002 - Tapered T.2 = 233.2 [Nm]	F
			
SCF03 - Splined T.2 = 86.1 [Nm]	H		
			

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
	Internal drainage	N
	External drainage	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		G
	H		I		L		M		N		O		P
	Q		R		S		T		U		V	Closed Body	Z

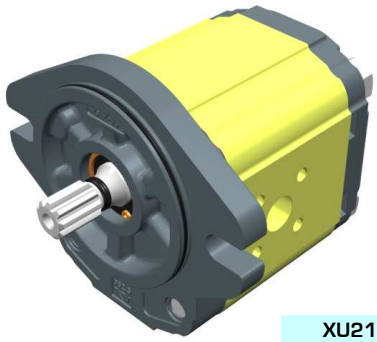
unidirectional motor - series XV

SAE A TYPE MOTOR
ø82.5 FLANGE - SPLINED SHAFT

XV-2U

X	2	U	51	52	I	S	R	A

Series	X	series XV
Group	2	group 2
Category	U	unidirectional motor
Displacement	51	17
Flange	52	Ø82.5 SAE A right rotation (with OR)
Shaft	I	SCF04 - Splined ø15.456 z=9, H=22.5 - SAE J498 9T 16/32DP
Body IN	S	inlet - Ø40 a 45° Ø20 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	A	standard



XU219

Technical data table

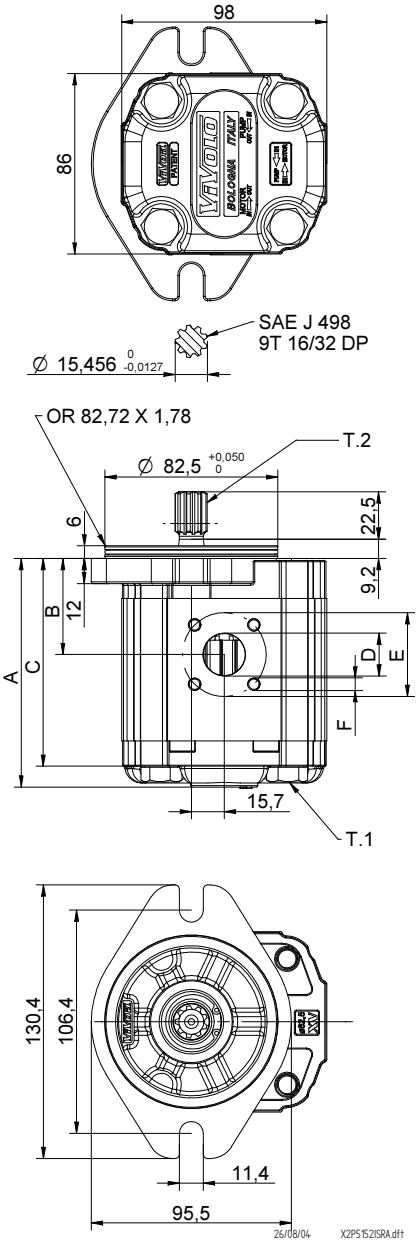
TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	Left rotation								Right rotation							
XV-2U/04	4,20	260	300	X	2	U	41	51	I	S	R	A	X	2	U	41	52	I	S	R	A
XV-2U/06	6,00	260	300	X	2	U	43	51	I	S	R	A	X	2	U	43	52	I	S	R	A
XV-2U/09	8,40	260	300	X	2	U	45	51	I	S	R	A	X	2	U	45	52	I	S	R	A
XV-2U/11	10,80	260	300	X	2	U	47	51	I	S	R	A	X	2	U	47	52	I	S	R	A
XV-2U/14	14,40	250	290	X	2	U	49	51	I	S	R	A	X	2	U	49	52	I	S	R	A
XV-2U/17	16,80	230	270	X	2	U	51	51	I	S	R	A	X	2	U	51	52	I	S	R	A
XV-2U/19	19,20	210	250	X	2	U	53	51	I	S	R	A	X	2	U	53	52	I	S	R	A
XV-2U/22	22,80	200	240	X	2	U	55	51	I	S	R	A	X	2	U	55	52	I	S	R	A
XV-2U/26	26,20	170	210	X	2	U	57	51	I	S	R	A	X	2	U	57	52	I	S	R	A
XV-2U/30	30,00	160	200	X	2	U	59	51	I	S	S	A	X	2	U	59	52	I	S	S	A
XV-2U/34	34,20	150	190	X	2	U	61	51	I	S	S	A	X	2	U	61	52	I	S	S	A
XV-2U/40	39,60	140	180	X	2	U	63	51	I	S	S	A	X	2	U	63	52	I	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	2,280	88,0	39,4	78,0	ø15	35	M6x1	ø20	40	M6x1
XV-2U/06	2,380	91,0	39,4	81,0	ø15	35	M6x1	ø20	40	M6x2
XV-2U/09	2,480	95,0	41,4	85,0	ø15	35	M6x1	ø20	40	M6x3
XV-2U/11	2,580	99,0	45,8	89,0	ø15	35	M6x1	ø20	40	M6x4
XV-2U/14	2,780	105,0	45,8	95,0	ø15	35	M6x1	ø20	40	M6x5
XV-2U/17	2,880	109,0	45,8	99,0	ø15	35	M6x1	ø20	40	M6x6
XV-2U/19	2,980	113,0	45,8	103,0	ø15	35	M6x1	ø20	40	M6x7
XV-2U/22	3,130	119,0	53,3	109,0	ø15	35	M6x1	ø20	40	M6x8
XV-2U/26	3,230	123,0	53,3	113,0	ø15	35	M6x1	ø20	40	M6x9
XV-2U/30	3,480	131,0	61,5	121,0	ø20	40	M6x1	ø20	40	M6x10
XV-2U/34	3,680	138,0	61,5	128,0	ø20	40	M6x1	ø20	40	M6x11
XV-2U/40	3,880	147,0	61,5	137,0	ø20	40	M6x1	ø20	40	M6x12



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

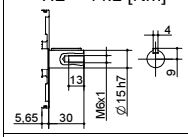
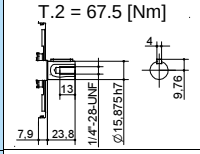
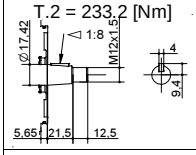
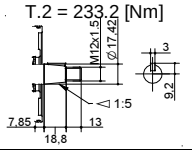
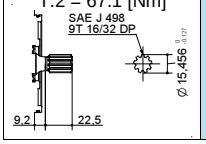
T.2 = 67.1 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

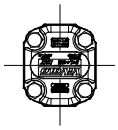
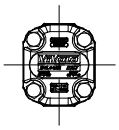
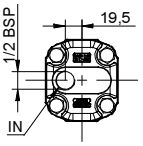
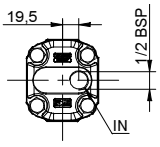
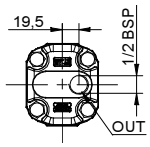
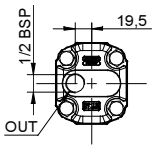
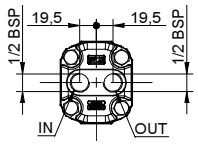
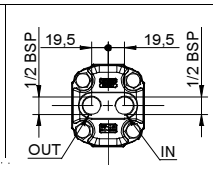
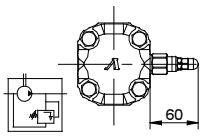
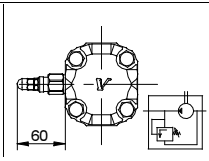
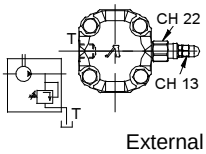
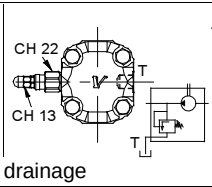
Table of variations

ø82.5 FLANGE "SAE A"

XV-2U

ø82.5 FLANGE "SAE A"			
Left rotation		Right rotation	
	51		52
 Without OR	53	 Without OR	54

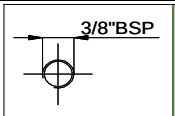
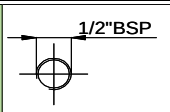
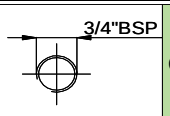
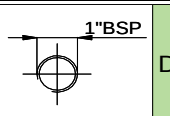
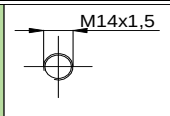
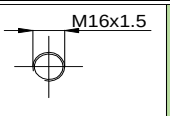
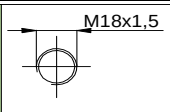
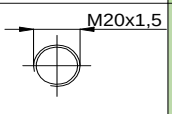
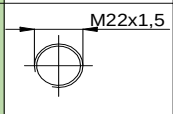
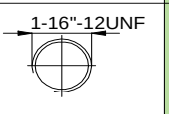
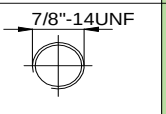
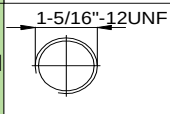
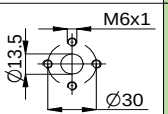
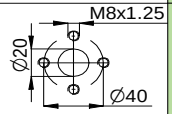
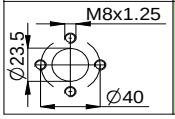
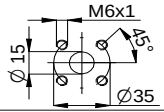
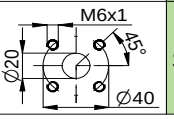
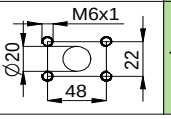
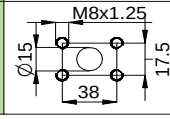
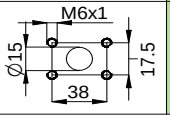
Shaft			
CI001 - Parallel T.2 = 44.1 [Nm]	A	CI002 - Parallel T.2 = 67.5 [Nm]	B
			
CO001 - Tapered T.2 = 233.2 [Nm]	E	CO002 - Tapered T.2 = 233.2 [Nm]	F
			
SCF04 - Splined T.2 = 67.1 [Nm]	I		
			

Cover		
Left rotation	Right rotation	
		A
		B
		C
		D
 Internal drainage		N
 External drainage		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**

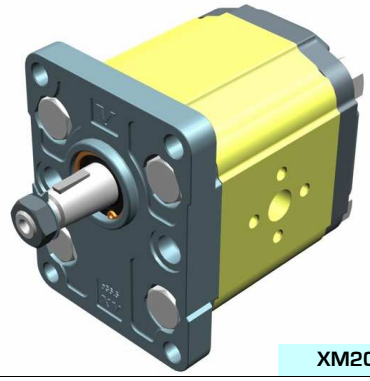
Standard bodies					
Displacement cm3/rev	Standard threads				
4	O - O	S - R	B - B	L - M	Z - Z
6	O - O	S - R	B - B	L - M	Z - Z
9	O - O	S - R	B - B	L - M	Z - Z
11	O - O	S - R	B - B	L - M	Z - Z
14	P - O	S - R	C - B	L - M	Z - Z
17	P - O	S - R	C - B	L - M	Z - Z
19	P - O	S - R	C - B	L - M	Z - Z
22	P - O	S - 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)														
 3/8"BSP	A	 1/2"BSP	B	 3/4"BSP	C	 1"BSP	D	 M14x1,5	E	 M16x1.5	F	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 Ø 15 45° Ø35	R	 M6x1 Ø20 45° Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z

X	2	M	51	01	E	P	P	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	01	Ø36.5 STANDARD EUROPEAN reversible rotation
Shaft	E	CO001 - Tapered 1:8 - ø17.4 - M12x1.5 - key thk.4
Body IN	P	inlet - Ø40 Ø20 M8
Body OUT	P	outlet - Ø40 Ø20 M8
Cover	E	with external drainage



XM201

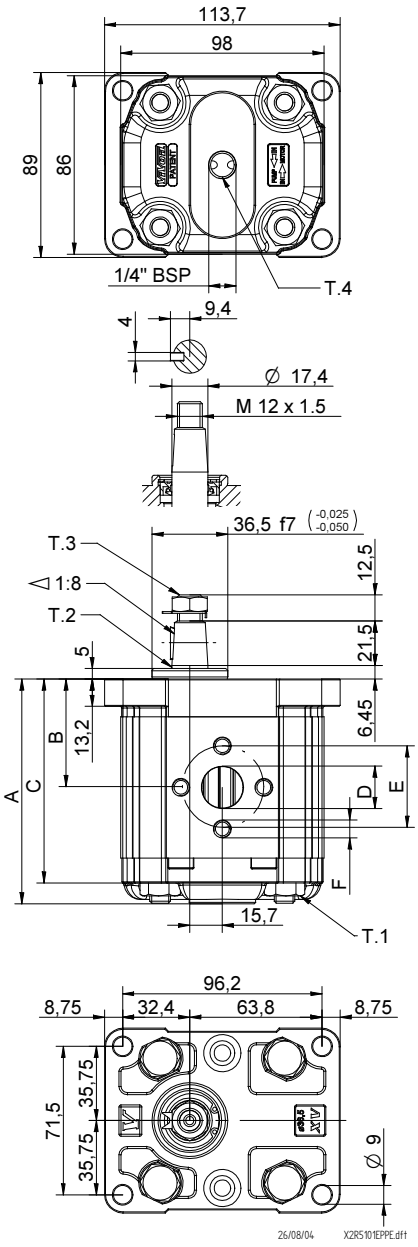
Technical data table

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

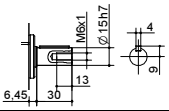
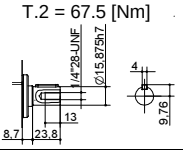
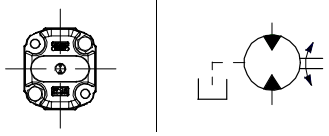
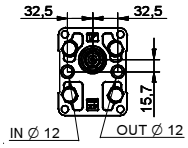
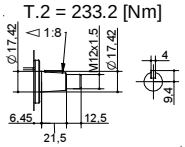
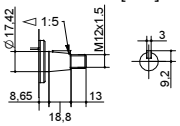
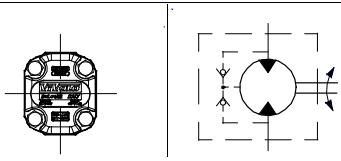
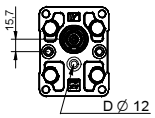
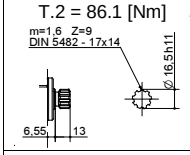
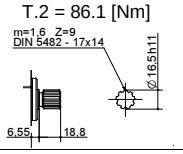
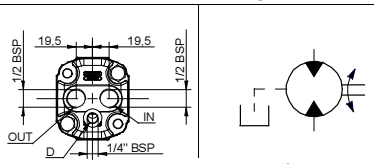
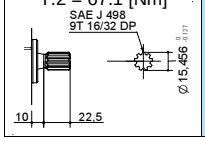
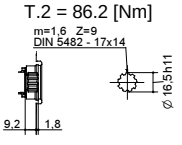
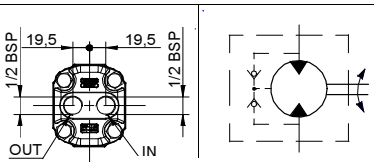
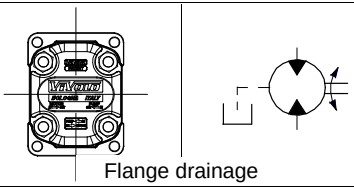


T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

ø36.5 FLANGE

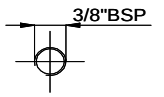
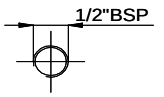
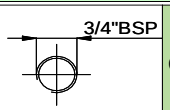
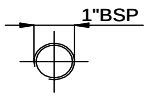
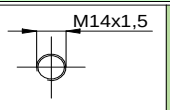
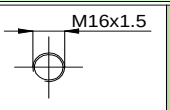
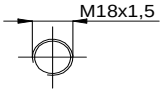
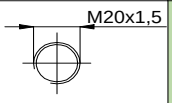
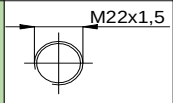
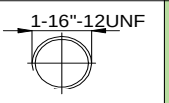
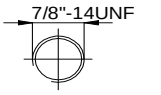
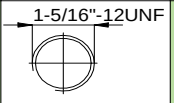
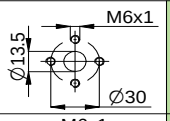
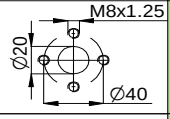
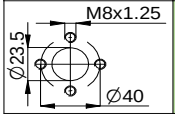
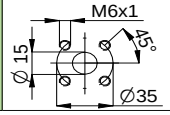
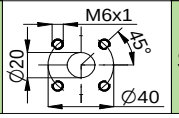
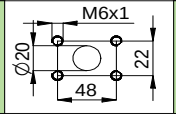
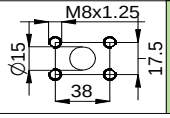
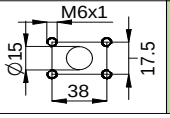
XV-2M

ø36.5 FLANGE		Shaft				Cover	
	01	CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B	 External drainage	E
	04	CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F	 Internal drainage	F
	05	SCF02 - Splined T.2 = 86.1 [Nm] 	G	SCF03 - Splined T.2 = 86.1 [Nm] 	H	 IN + OUT + external	K
		SCF04 - Splined T.2 = 67.1 [Nm] 	I	SCF01 - Splined T.2 = 86.2 [Nm] 	L	 IN + OUT + internal	L
						 Flange drainage	P

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

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

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	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1	O	 M8x1.25	P
 M8x1.25	Q	 M6x1	R	 M6x1	S	 M6x1	T	 M8x1.25	U	 M6x1	V	Closed Body	Z

X	2	M	51	01	E	C	C	E

Series		X	series XV
Group		2	group 2
Category		M	reversible motor
Displacement		51	17
Flange		01	Ø36.5 STANDARD EUROPEAN reversible rotation
Shaft		E	CO001 - Tapered 1:8 - ø17.4 - M12x1.5 - key thk.4
Body	IN	C	inlet - 3/4" GAS
	OUT	C	outlet - 3/4" GAS
Cover		E	with external drainage


XM207

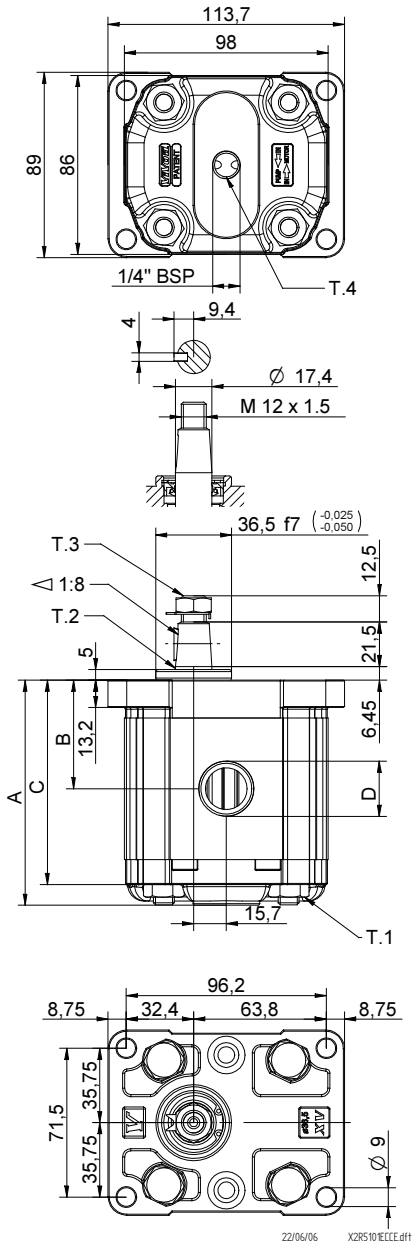
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 01 E B B E	X 2 M 41 01 E B B F
XV-2M/06	6,00	260	300	X 2 M 43 01 E B B E	X 2 M 43 01 E B B F
XV-2M/09	8,40	260	300	X 2 M 45 01 E B B E	X 2 M 45 01 E B B F
XV-2M/11	10,80	260	300	X 2 M 47 01 E B B E	X 2 M 47 01 E B B F
XV-2M/14	14,40	250	290	X 2 M 49 01 E C C E	X 2 M 49 01 E C C F
XV-2M/17	16,80	230	270	X 2 M 51 01 E C C E	X 2 M 51 01 E C C F
XV-2M/19	19,20	210	250	X 2 M 53 01 E C C E	X 2 M 53 01 E C C F
XV-2M/22	22,80	200	240	X 2 M 55 01 E C C E	X 2 M 55 01 E C C F
XV-2M/26	26,20	170	210	X 2 M 57 01 E D D E	X 2 M 57 01 E D D F
XV-2M/30	30,00	160	200	X 2 M 59 01 E D D E	X 2 M 59 01 E D D F
XV-2M/34	34,20	150	190	X 2 M 61 01 E D D E	X 2 M 61 01 E D D F
XV-2M/40	39,60	140	180	X 2 M 63 01 E D D E	X 2 M 63 01 E D D 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	C	D	D
	kg	mm	mm	mm	IN	OUT
XV-2M/04	2,200	87,2	41,7	77,2	1/2" BSPP	1/2" BSPP
XV-2M/06	2,300	90,2	43,2	80,2	1/2" BSPP	1/2" BSPP
XV-2M/09	2,400	94,2	45,2	84,2	1/2" BSPP	1/2" BSPP
XV-2M/11	2,500	98,2	47,2	88,2	1/2" BSPP	1/2" BSPP
XV-2M/14	2,700	104,2	50,2	94,2	3/4" BSPP	3/4" BSPP
XV-2M/17	2,800	108,2	52,2	98,2	3/4" BSPP	3/4" BSPP
XV-2M/19	2,900	112,2	54,2	102,2	3/4" BSPP	3/4" BSPP
XV-2M/22	3,050	118,2	57,2	108,2	3/4" BSPP	3/4" BSPP
XV-2M/26	3,150	122,2	59,2	112,2	1" BSPP	1" BSPP
XV-2M/30	3,400	130,2	63,2	120,2	1" BSPP	1" BSPP
XV-2M/34	3,600	137,2	66,7	127,2	1" BSPP	1" BSPP
XV-2M/40	3,800	146,2	71,2	136,2	1" BSPP	1" BSPP

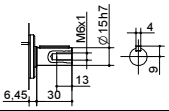
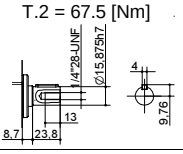
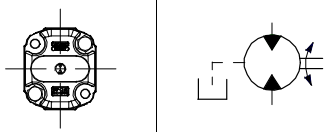
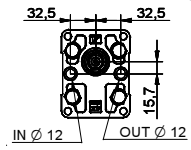
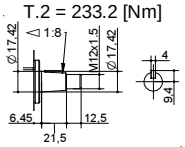
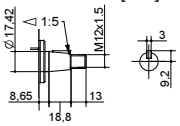
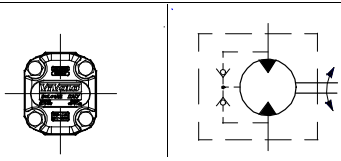
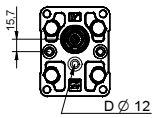
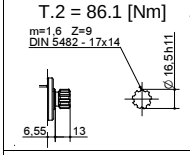
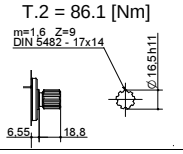
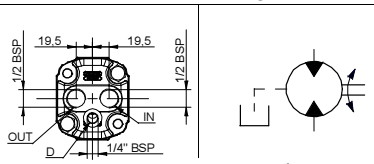
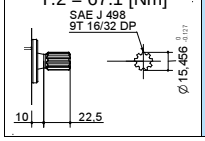
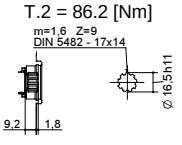
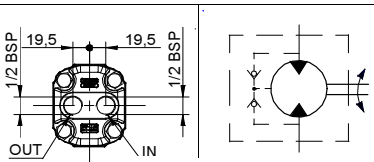
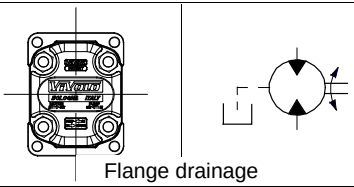


T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

ø36.5 FLANGE

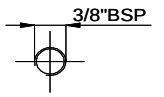
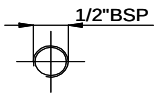
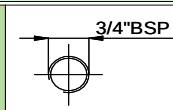
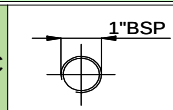
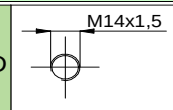
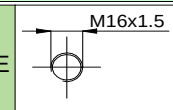
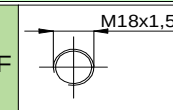
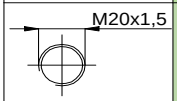
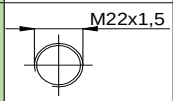
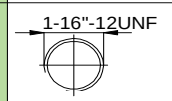
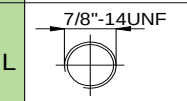
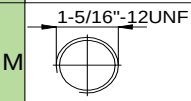
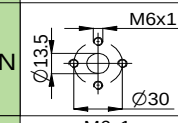
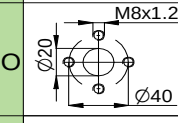
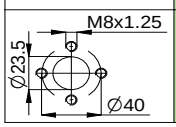
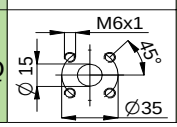
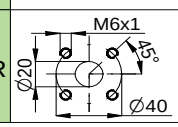
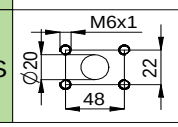
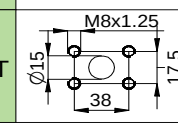
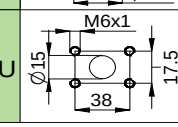
XV-2M

ø36.5 FLANGE		Shaft				Cover	
	01	CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B	 External drainage	E
	04	CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F	 Internal drainage	F
	05	SCF02 - Splined T.2 = 86.1 [Nm] 	G	SCF03 - Splined T.2 = 86.1 [Nm] 	H	 IN + OUT + external	K
		SCF04 - Splined T.2 = 67.1 [Nm] 	I	SCF01 - Splined T.2 = 86.2 [Nm] 	L	 IN + OUT + internal	L
						 Flange drainage	P

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

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

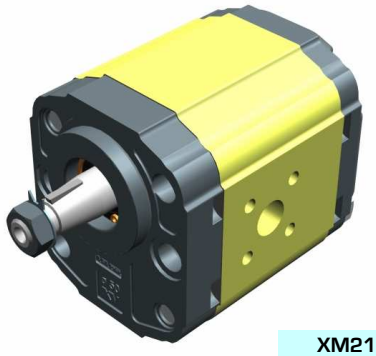
Table showing standard flange and thread combinations available in stock

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

BH TYPE MOTOR
ø50 BODY-SHAPED FLANGE - TAPER SHAFT

X	2	M	51	07	F	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	07	Ø50 BH GERMAN STARDARDIZED reversible rotation
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM210

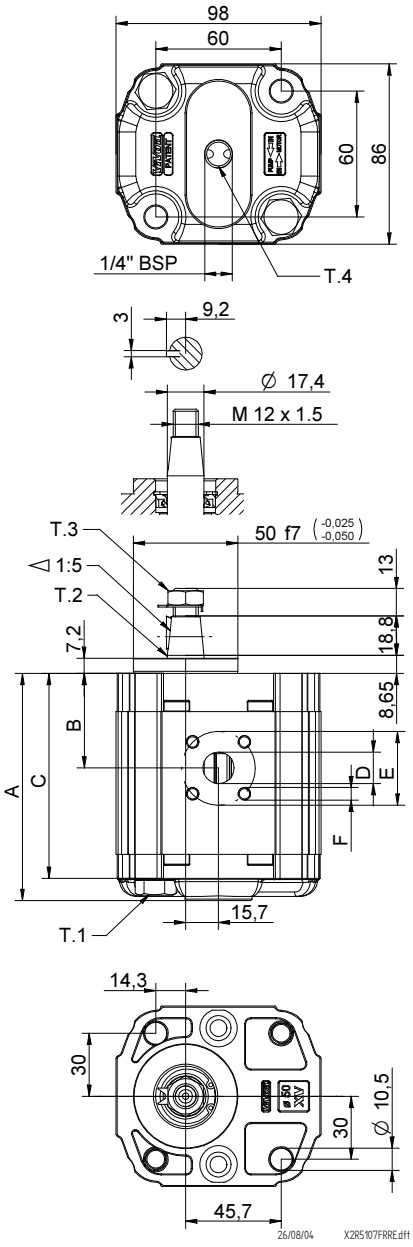
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 07 F R R E	X 2 M 41 07 F R R F
XV-2M/06	6,00	260	300	X 2 M 43 07 F R R E	X 2 M 43 07 F R R F
XV-2M/09	8,40	260	300	X 2 M 45 07 F R R E	X 2 M 45 07 F R R F
XV-2M/11	10,80	260	300	X 2 M 47 07 F R R E	X 2 M 47 07 F R R F
XV-2M/14	14,40	250	290	X 2 M 49 07 F R R E	X 2 M 49 07 F R R F
XV-2M/17	16,80	230	270	X 2 M 51 07 F R R E	X 2 M 51 07 F R R F
XV-2M/19	19,20	210	250	X 2 M 53 07 F R R E	X 2 M 53 07 F R R F
XV-2M/22	22,80	200	240	X 2 M 55 07 F R R E	X 2 M 55 07 F R R F
XV-2M/26	26,20	170	210	X 2 M 57 07 F S S E	X 2 M 57 07 F S S F
XV-2M/30	30,00	160	200	X 2 M 59 07 F S S E	X 2 M 59 07 F S S F
XV-2M/34	34,20	150	190	X 2 M 61 07 F S S E	X 2 M 61 07 F S S F
XV-2M/40	39,60	140	180	X 2 M 63 07 F S S E	X 2 M 63 07 F S S 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	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,100	87,2	38,6	77,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,200	90,2	38,6	80,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,300	94,2	40,6	84,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,400	98,2	45,0	88,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,600	104,2	45,0	94,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,700	108,2	45,0	98,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,800	112,2	45,0	102,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	2,950	118,2	52,5	108,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,050	122,2	52,5	112,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,300	130,2	60,7	120,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,500	137,2	60,7	127,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,700	146,2	60,7	136,2	ø20	40	M6x1	ø20	40	M6x1



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).
T.4 = 0.3÷0,5 bar - max. drainage pressure

Table of variations

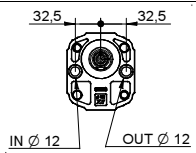
ø50 "BH" Body-Shaped FLANGE

XV-2M

ø50 "BH" Body-Shaped FLANGE

07

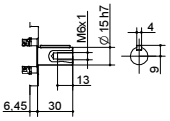
10



Shaft

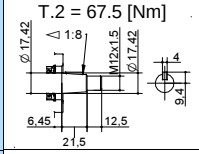
A — CI001 - Parallel

T.2 = 44.1 [Nm]



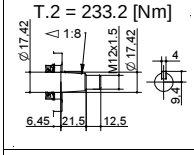
B — CI002 - Parallel

T.2 = 67.5 [Nm]



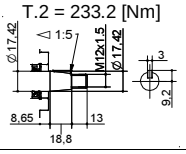
E — CO001 - Tapered

T.2 = 233.2 [Nm]



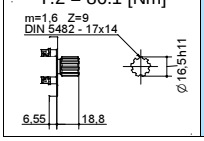
F — CO002 - Tapered

T.2 = 233.2 [Nm]



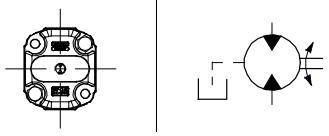
H — SCF03 - Splined

T.2 = 86.1 [Nm]

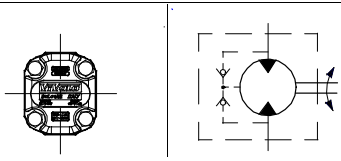


Cover

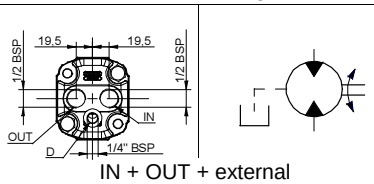
E — External drainage



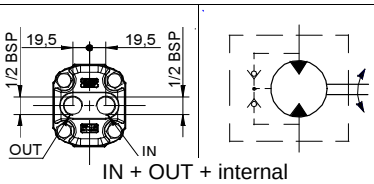
F — Internal drainage



K — IN + OUT + external



L — IN + OUT + internal



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

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

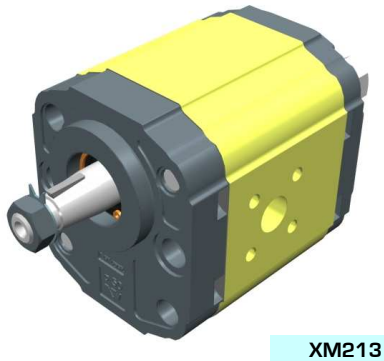
Table showing standard flange and thread combinations available in stock

Body (threads/flanges)

3/8"BSP	A	1/2"BSP	B	3/4"BSP	C	1"BSP	D	M14x1,5	E	M16x1.5	F	M18x1,5	G
M20x1,5	H	M22x1,5	I	1-16"-12UNF	L	7/8"-14UNF	M	1-5/16"-12UNF	N	M6x1 Ø13,5 Ø30	O	M8x1.25 Ø20 Ø40	P
M8x1.25 Ø23,5 Ø40	Q	M6x1 Ø15 45° Ø35	R	M6x1 Ø20 45° Ø40	S	M6x1 Ø20 22 48	T	M8x1.25 Ø15 38 17.5	U	M6x1 Ø15 38 17.5	V	Closed Body	Z

X	2	M	51	13	F	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	13	Ø50 HY GERMAN STARDARDIZED reversible rotation
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM213

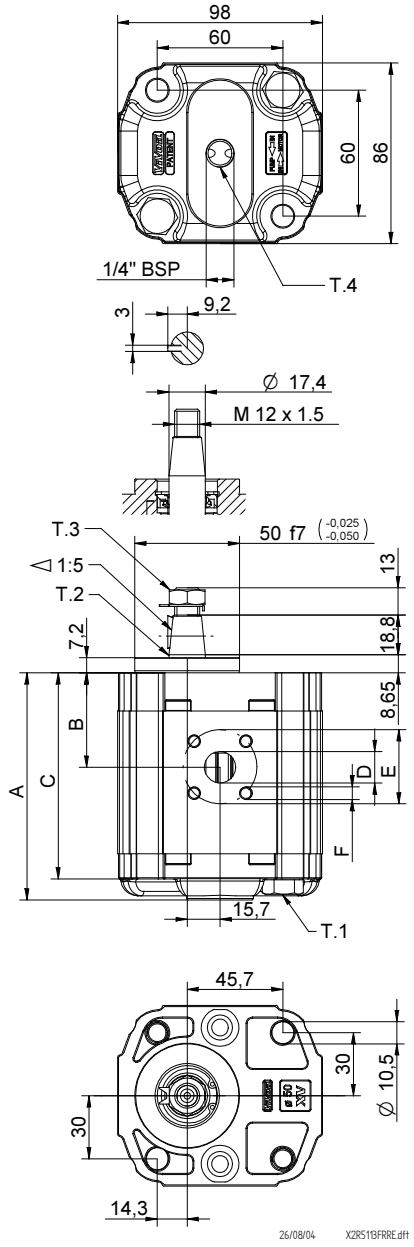
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 13 F R R E	X 2 M 41 13 F R R F
XV-2M/06	6,00	260	300	X 2 M 43 13 F R R E	X 2 M 43 13 F R R F
XV-2M/09	8,40	260	300	X 2 M 45 13 F R R E	X 2 M 45 13 F R R F
XV-2M/11	10,80	260	300	X 2 M 47 13 F R R E	X 2 M 47 13 F R R F
XV-2M/14	14,40	250	290	X 2 M 49 13 F R R E	X 2 M 49 13 F R R F
XV-2M/17	16,80	230	270	X 2 M 51 13 F R R E	X 2 M 51 13 F R R F
XV-2M/19	19,20	210	250	X 2 M 53 13 F R R E	X 2 M 53 13 F R R F
XV-2M/22	22,80	200	240	X 2 M 55 13 F R R E	X 2 M 55 13 F R R F
XV-2M/26	26,20	170	210	X 2 M 57 13 F S S E	X 2 M 57 13 F S S F
XV-2M/30	30,00	160	200	X 2 M 59 13 F S S E	X 2 M 59 13 F S S F
XV-2M/34	34,20	150	190	X 2 M 61 13 F S S E	X 2 M 61 13 F S S F
XV-2M/40	39,60	140	180	X 2 M 63 13 F S S E	X 2 M 63 13 F S S 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	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,100	87,2	38,6	77,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,200	90,2	38,6	80,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,300	94,2	40,6	84,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,400	98,2	45,0	88,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,600	104,2	45,0	94,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,700	108,2	45,0	98,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,800	112,2	45,0	102,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	2,950	118,2	52,5	108,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,050	122,2	52,5	112,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,300	130,2	60,7	120,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,500	137,2	60,7	127,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,700	146,2	60,7	136,2	ø20	40	M6x1	ø20	40	M6x1



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).
T.4 = 0.3÷0,5 bar - max. drainage pressure

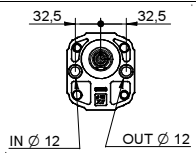
Table of variations

ø50 "HY" Body-Shaped FLANGE

ø50 "HY" Body-Shaped FLANGE

13

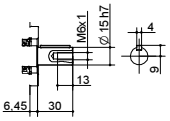
16



Shaft

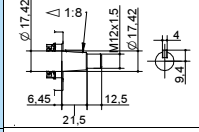
A — CI001 - Parallel

T.2 = 44.1 [Nm]



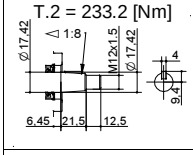
B — CI002 - Parallel

T.2 = 67.5 [Nm]



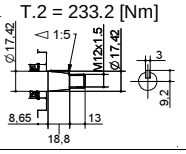
E — CO001 - Tapered

T.2 = 233.2 [Nm]



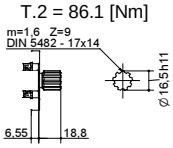
F — CO002 - Tapered

T.2 = 233.2 [Nm]



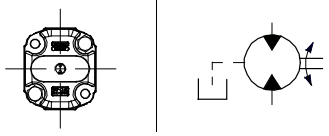
H — SCF03 - Splined

T.2 = 86.1 [Nm]

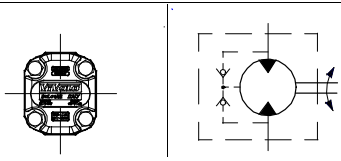


Cover

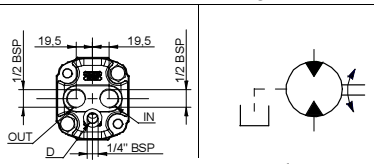
E — External drainage



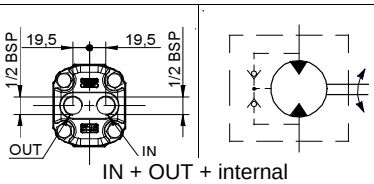
F — Internal drainage



K — IN + OUT + external



L — IN + OUT + internal



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

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

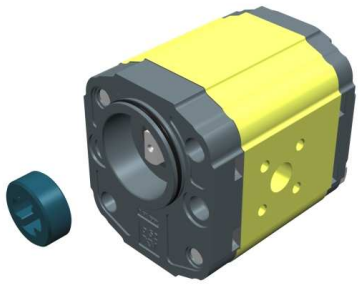
Table showing standard flange and thread combinations available in stock

Body (threads/flanges)

3/8"BSP	A	1/2"BSP	B	3/4"BSP	C	1"BSP	D	M14x1,5	E	M16x1.5	F	M18x1,5	G
M20x1,5	H	M22x1,5	I	1-16"-12UNF	L	7/8"-14UNF	M	1-5/16"-12UNF	N	M6x1 Ø13,5 Ø30	O	M8x1.25 Ø20 Ø40	P
M8x1.25 Ø23,5 Ø40	Q	M6x1 Ø15 45° Ø35	R	M6x1 Ø20 45° Ø40	S	M6x1 Ø20 22 48	T	M8x1.25 Ø15 17.5 38	U	M6x1 Ø15 17.5 38	V	Closed Body	Z

X	2	M	51	19	C	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	19	Ø52 GERMAN STARDARDIZED reversible rotation (with OR)
Shaft	C	CF001 - Milled shank ø15 - thk.8 ("BH" Standard German)
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM216

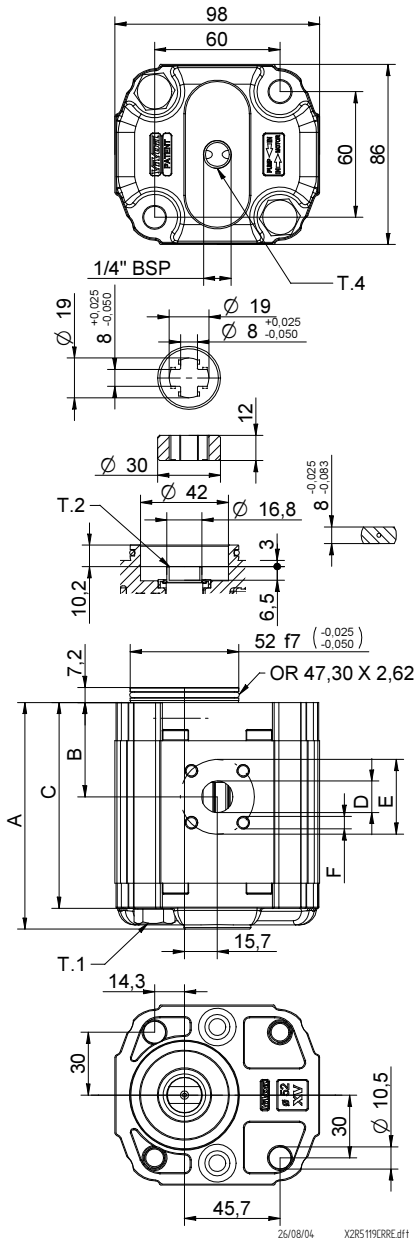
Technical data table

TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	External drainage								Internal drainage							
XV-2M/04	4,20	260	300	X	2	M	41	19	C	R	R	E	X	2	M	41	19	C	R	R	F
XV-2M/06	6,00	260	300	X	2	M	43	19	C	R	R	E	X	2	M	43	19	C	R	R	F
XV-2M/09	8,40	260	300	X	2	M	45	19	C	R	R	E	X	2	M	45	19	C	R	R	F
XV-2M/11	10,80	260	300	X	2	M	47	19	C	R	R	E	X	2	M	47	19	C	R	R	F
XV-2M/14	14,40	250	290	X	2	M	49	19	C	R	R	E	X	2	M	49	19	C	R	R	F
XV-2M/17	16,80	230	270	X	2	M	51	19	C	R	R	E	X	2	M	51	19	C	R	R	F
XV-2M/19	19,20	210	250	X	2	M	53	19	C	R	R	E	X	2	M	53	19	C	R	R	F
XV-2M/22	22,80	200	240	X	2	M	55	19	C	R	R	E	X	2	M	55	19	C	R	R	F
XV-2M/26	26,20	170	210	X	2	M	57	19	C	S	S	E	X	2	M	57	19	C	S	S	F
XV-2M/30	30,00	160	200	X	2	M	59	19	C	S	S	E	X	2	M	59	19	C	S	S	F
XV-2M/34	34,20	150	190	X	2	M	61	19	C	S	S	E	X	2	M	61	19	C	S	S	F
XV-2M/40	39,60	140	180	X	2	M	63	19	C	S	S	E	X	2	M	63	19	C	S	S	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

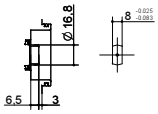
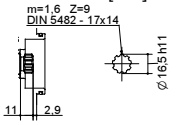
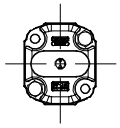
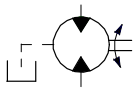
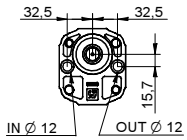
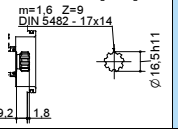
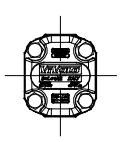
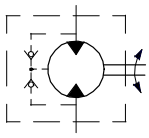
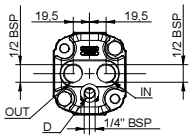
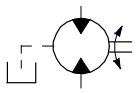
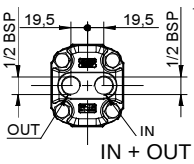
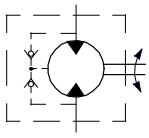
TYPE	Weight	A	B	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,100	87,2	38,6	77,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,200	90,2	38,6	80,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,300	94,2	40,6	84,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,400	98,2	45,0	88,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,600	104,2	45,0	94,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,700	108,2	45,0	98,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,800	112,2	45,0	102,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	2,950	118,2	52,5	108,2	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,050	122,2	52,5	112,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,300	130,2	60,7	120,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,500	137,2	60,7	127,2	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,700	146,2	60,7	136,2	ø20	40	M6x1	ø20	40	M6x1



T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.2 = 60.5 [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

Standard German ø52 "BH" FLANGE

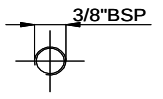
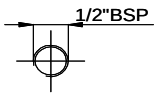
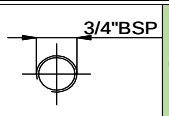
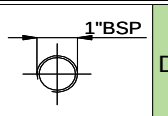
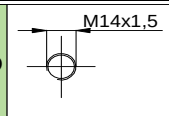
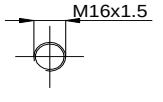
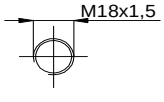
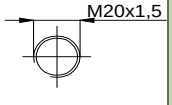
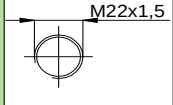
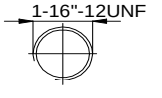
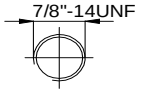
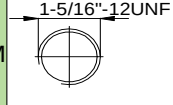
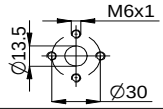
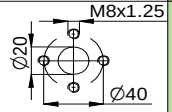
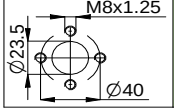
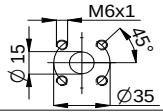
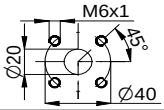
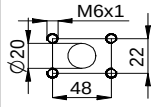
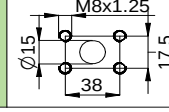
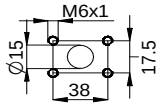
Standard German ø52 "BH" FLANGE		Shaft				Cover	
	19	CF001 - Milled shank T.2 = 60.5 [Nm] 	C	SCF05 - Splined T.2 = 86.2 [Nm] m=1,6 Z=9 DIN 5482 - 17x14 	K	  External drainage	E
	22	SCF01 - Splined T.2 = 86.2 [Nm] m=1,6 Z=9 DIN 5482 - 17x14 	L			  Internal drainage	F
						  IN + OUT + external	K
						  IN + OUT + internal	L

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

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

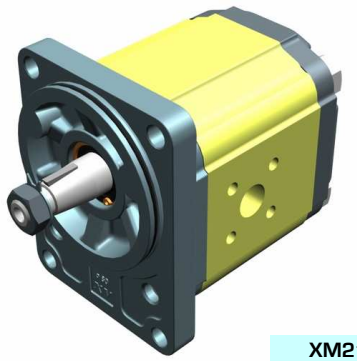
Table showing standard flange and thread combinations available in stock

Body (threads/flanges)

 3/8"BSP	A	 1/2"BSP	B	 3/4"BSP	C	 1"BSP	D	 M14x1,5	E	 M16x1.5	F	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 45° Ø15 Ø35	R	 M6x1 45° Ø20 Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z

X	2	M	51	25	F	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	25	Ø80 GERMAN STARDARDIZED reversible rotation (with OR)
Shaft	F	CO002 - Tapered 1:5 - ø17.4 - M12x1.5 - key thk.3
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM217

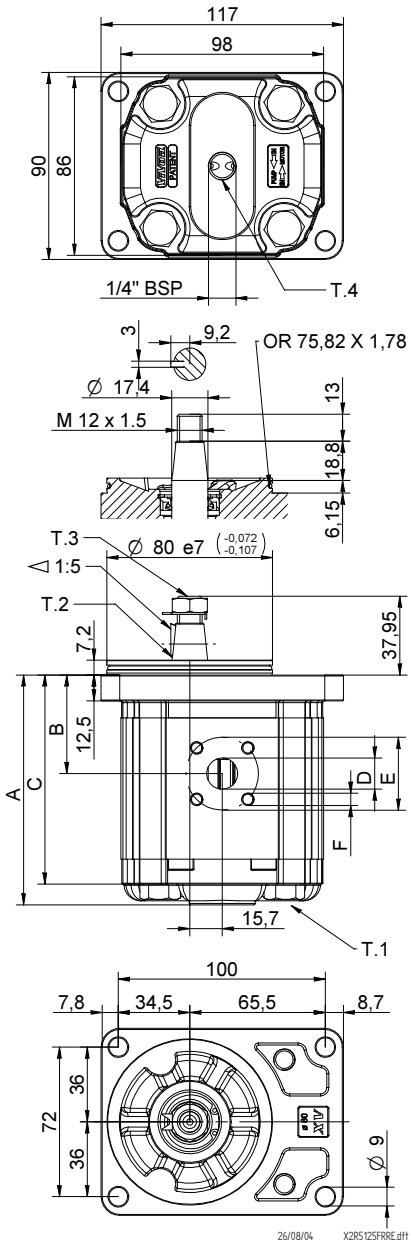
Technical data table

TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	External drainage	Internal drainage
XV-2M/04	4,20	260	300	X 2 M 41 25 F R R E	X 2 M 41 25 F R R F
XV-2M/06	6,00	260	300	X 2 M 43 25 F R R E	X 2 M 43 25 F R R F
XV-2M/09	8,40	260	300	X 2 M 45 25 F R R E	X 2 M 45 25 F R R F
XV-2M/11	10,80	260	300	X 2 M 47 25 F R R E	X 2 M 47 25 F R R F
XV-2M/14	14,40	250	290	X 2 M 49 25 F R R E	X 2 M 49 25 F R R F
XV-2M/17	16,80	230	270	X 2 M 51 25 F R R E	X 2 M 51 25 F R R F
XV-2M/19	19,20	210	250	X 2 M 53 25 F R R E	X 2 M 53 25 F R R F
XV-2M/22	22,80	200	240	X 2 M 55 25 F R R E	X 2 M 55 25 F R R F
XV-2M/26	26,20	170	210	X 2 M 57 25 F S S E	X 2 M 57 25 F S S F
XV-2M/30	30,00	160	200	X 2 M 59 25 F S S E	X 2 M 59 25 F S S F
XV-2M/34	34,20	150	190	X 2 M 61 25 F S S E	X 2 M 61 25 F S S F
XV-2M/40	39,60	140	180	X 2 M 63 25 F S S E	X 2 M 63 25 F S S 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	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,330	89,7	41,1	79,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,430	92,7	41,1	82,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,530	96,7	43,1	86,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,630	100,7	47,5	90,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,730	106,7	47,5	96,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,830	110,7	47,5	100,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,930	114,7	47,5	104,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	3,180	120,7	55,0	110,7	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,280	124,7	55,0	114,7	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,530	132,7	63,2	122,7	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,730	139,7	63,2	129,7	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,930	148,7	63,2	138,7	ø20	40	M6x1	ø20	40	M6x1



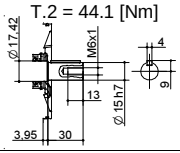
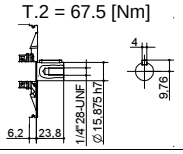
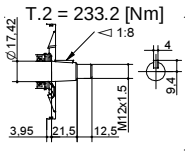
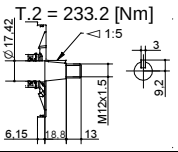
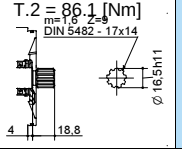
T.1 = 54÷58.9 [Nm] - screw tightening torque M10
T.3 = 40 [Nm] - torque wrench setting 19
T.2 = 233.2 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).
T.4 = 0.3÷0,5 bar - max. drainage pressure

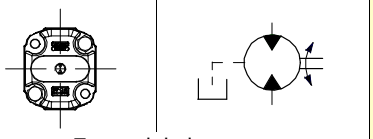
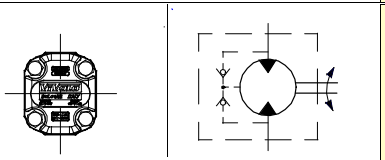
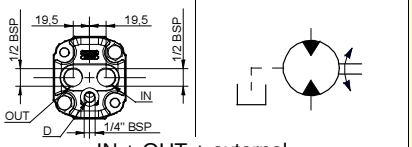
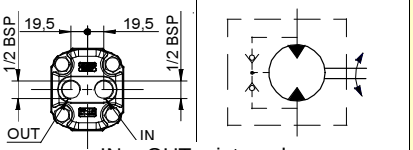
Table of variations

ø80 FLANGE

XV-2M

ø80 FLANGE	
	25

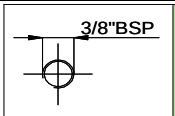
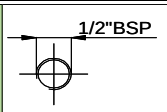
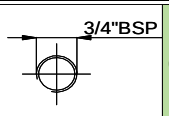
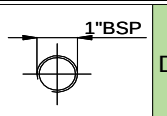
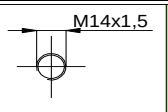
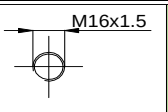
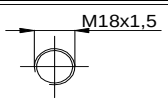
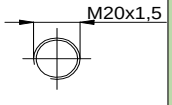
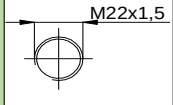
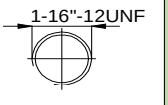
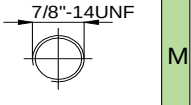
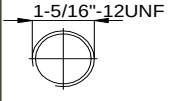
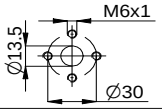
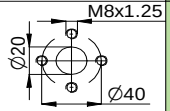
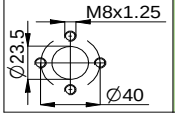
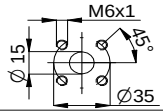
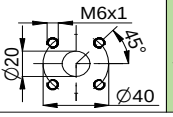
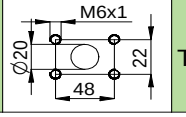
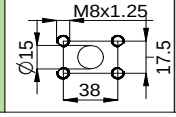
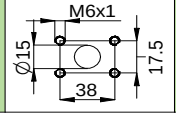
Shaft			
CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B
CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F
SCF03 - Splined T.2 = 86.1 [Nm] 	H		

Cover	
 External drainage	E
 Internal drainage	F
 IN + OUT + external	K
 IN + OUT + internal	L

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

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

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	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 45° Ø15 Ø35	R	 M6x1 45° Ø20 Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z

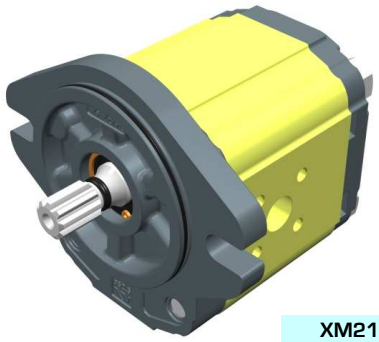
reversible motor - series XV

SAE A TYPE MOTOR
ø82.5 FLANGE - SPLINED SHAFT

XV-2M

X	2	M	51	31	I	R	R	E

Series	X	series XV
Group	2	group 2
Category	M	reversible motor
Displacement	51	17
Flange	31	Ø82.5 SAE A reversible rotation (with OR)
Shaft	I	SCF04 - Splined ø15.456 z=9, H=22.5 - SAE J498 9T 16/32DP
Body IN	R	inlet - Ø35 a 45° Ø15 M6
Body OUT	R	outlet - Ø35 a 45° Ø15 M6
Cover	E	with external drainage



XM219

Technical data table

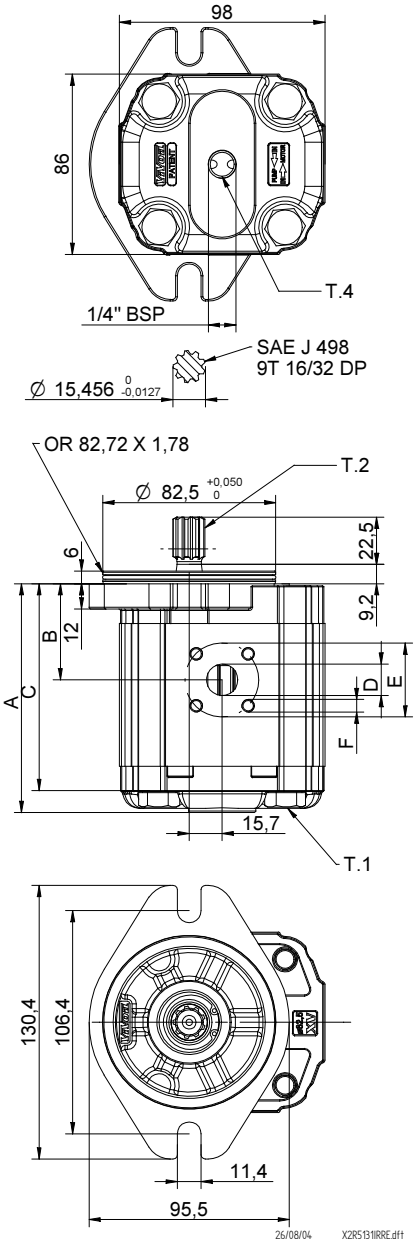
TYPE	Displacement	Max. Pressure		CODE															
	cm3/rev	P1 bar	P3 bar	External drainage								Internal drainage							
XV-2M/04	4,20	260	300	X	2	M	41	31	I	R	R	E	X	2	M	41	31	I	R	R	F
XV-2M/06	6,00	260	300	X	2	M	43	31	I	R	R	E	X	2	M	43	31	I	R	R	F
XV-2M/09	8,40	260	300	X	2	M	45	31	I	R	R	E	X	2	M	45	31	I	R	R	F
XV-2M/11	10,80	260	300	X	2	M	47	31	I	R	R	E	X	2	M	47	31	I	R	R	F
XV-2M/14	14,40	250	290	X	2	M	49	31	I	R	R	E	X	2	M	49	31	I	R	R	F
XV-2M/17	16,80	230	270	X	2	M	51	31	I	R	R	E	X	2	M	51	31	I	R	R	F
XV-2M/19	19,20	210	250	X	2	M	53	31	I	R	R	E	X	2	M	53	31	I	R	R	F
XV-2M/22	22,80	200	240	X	2	M	55	31	I	R	R	E	X	2	M	55	31	I	R	R	F
XV-2M/26	26,20	170	210	X	2	M	57	31	I	S	S	E	X	2	M	57	31	I	S	S	F
XV-2M/30	30,00	160	200	X	2	M	59	31	I	S	S	E	X	2	M	59	31	I	S	S	F
XV-2M/34	34,20	150	190	X	2	M	61	31	I	S	S	E	X	2	M	61	31	I	S	S	F
XV-2M/40	39,60	140	180	X	2	M	63	31	I	S	S	E	X	2	M	63	31	I	S	S	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	C	D	E	F	D	E	F
	kg	mm	mm	mm	IN			OUT		
XV-2M/04	2,280	88,0	39,4	78,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/06	2,380	91,0	39,4	81,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/09	2,480	95,0	41,4	85,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/11	2,580	99,0	45,8	89,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/14	2,780	105,0	45,8	95,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/17	2,880	109,0	45,8	99,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/19	2,980	113,0	45,8	103,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/22	3,130	119,0	53,3	109,0	ø15	35	M6x1	ø15	35	M6x1
XV-2M/26	3,230	123,0	53,3	113,0	ø20	40	M6x1	ø20	40	M6x1
XV-2M/30	3,480	131,0	61,5	121,0	ø20	40	M6x1	ø20	40	M6x1
XV-2M/34	3,680	138,0	61,5	128,0	ø20	40	M6x1	ø20	40	M6x1
XV-2M/40	3,880	147,0	61,5	137,0	ø20	40	M6x1	ø20	40	M6x1



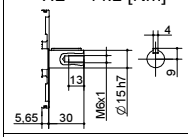
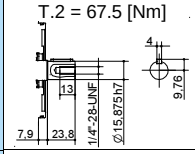
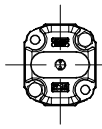
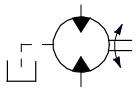
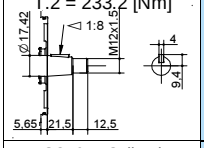
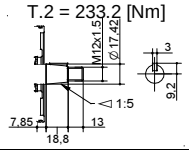
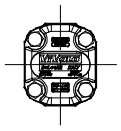
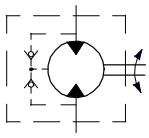
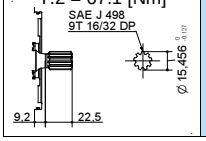
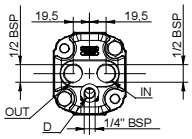
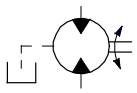
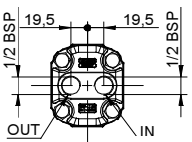
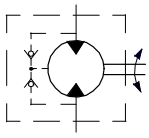
T.1 = 54÷58.9 [Nm] - screw tightening torque M10

T.2 = 67.1 [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

ø82.5 FLANGE "SAE A"

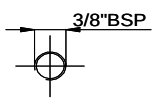
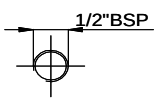
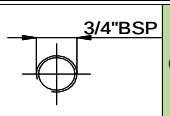
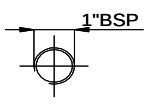
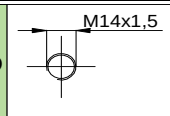
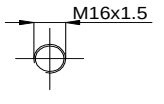
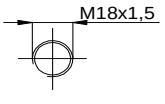
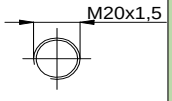
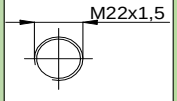
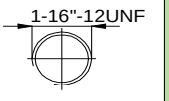
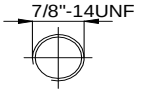
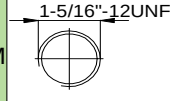
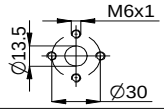
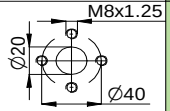
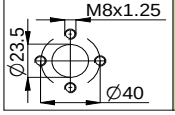
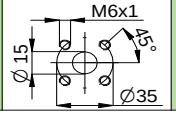
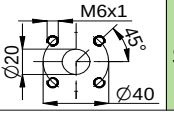
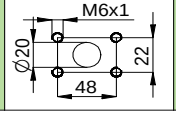
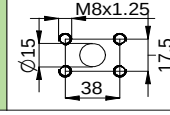
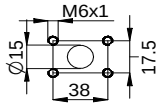
ø82.5 FLANGE "SAE A"		Shaft				Cover	
	31	CI001 - Parallel T.2 = 44.1 [Nm] 	A	CI002 - Parallel T.2 = 67.5 [Nm] 	B	  External drainage	E
 Without OR	32	CO001 - Tapered T.2 = 233.2 [Nm] 	E	CO002 - Tapered T.2 = 233.2 [Nm] 	F	  Internal drainage	F
		SCF04 - Splined T.2 = 67.1 [Nm] 	I			  IN + OUT + external	K
						  IN + OUT + internal	L

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

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

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	 M18x1,5	G
 M20x1,5	H	 M22x1,5	I	 1-16"-12UNF	L	 7/8"-14UNF	M	 1-5/16"-12UNF	N	 M6x1 Ø13,5 Ø30	O	 M8x1.25 Ø20 Ø40	P
 M8x1.25 Ø23,5 Ø40	Q	 M6x1 45° Ø15 Ø35	R	 M6x1 45° Ø20 Ø40	S	 M6x1 Ø20 22 48	T	 M8x1.25 Ø15 17.5 38	U	 M6x1 Ø15 17.5 38	V	Closed Body	Z