

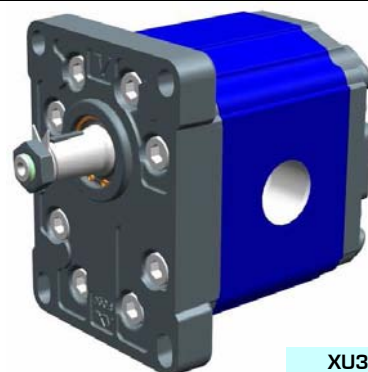
unidirectional motor - series XV

STANDARD EUROPEAN MOTOR
ø50.8 FLANGE - TAPER SHAFT

XV-3U

X 3 U 78 02 A E E A

Series	X	series XV
Group	3	group 3
Category	U	unidirectional motor
Displacement	78	38
Flange	02	Ø50.8 right rotation
Shaft	A	CO001 - Tapered 1:8 - ø22 - key thk.4
Body	IN	E inlet - 1" BSP
	OUT	E outlet - 1" BSP
Cover	A	standard



XU302

Technical data table

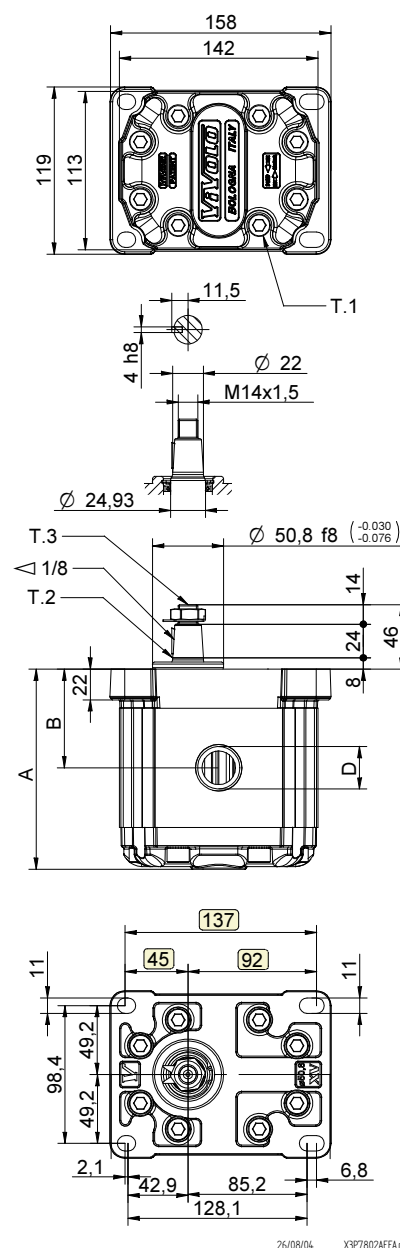
TYPE	Displacement	Max. Pressure		CODE	
	cm3/rev	P1 bar	P3 bar	Left rotation	Right rotation
XV-3U/15	14,89	300	320	X 3 U 66 01 A D D A	X 3 U 66 02 A D D A
XV-3U/18	17,37	300	320	X 3 U 68 01 A D D A	X 3 U 68 02 A D D A
XV-3U/21	21,10	280	300	X 3 U 70 01 A D D A	X 3 U 70 02 A D D A
XV-3U/27	26,97	250	270	X 3 U 72 01 A E E A	X 3 U 72 02 A E E A
XV-3U/32	32,27	250	270	X 3 U 74 01 A E E A	X 3 U 74 02 A E E A
XV-3U/38	38,47	250	270	X 3 U 78 01 A E E A	X 3 U 78 02 A E E A
XV-3U/43	43,44	250	270	X 3 U 79 01 A E E A	X 3 U 79 02 A E E A
XV-3U/47	47,16	230	250	X 3 U 80 01 A E E A	X 3 U 80 02 A E E A
XV-3U/51	50,88	230	250	X 3 U 81 01 A E E A	X 3 U 81 02 A E E A
XV-3U/54	54,60	230	250	X 3 U 82 01 A E E A	X 3 U 82 02 A E E A
XV-3U/61	60,81	230	250	X 3 U 83 01 A F F A	X 3 U 83 02 A F F A
XV-3U/64	64,53	210	230	X 3 U 85 01 A F F A	X 3 U 85 02 A F F A
XV-3U/70	70,74	200	220	X 3 U 86 01 A F F A	X 3 U 86 02 A F F A
XV-3U/74	74,46	180	200	X 3 U 87 01 A F F A	X 3 U 87 02 A F F A
XV-3U/90	86,87	150	170	X 3 U 89 01 A F F A	X 3 U 89 02 A F F 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	D	D
	kg	mm	mm	IN	OUT
XV-3U/15	7,010	124,0	61,0	3/4" BSPP	3/4" BSPP
XV-3U/18	7,070	126,0	62,0	3/4" BSPP	3/4" BSPP
XV-3U/21	7,150	129,0	63,5	3/4" BSPP	3/4" BSPP
XV-3U/27	7,250	133,0	65,5	1" BSPP	1" BSPP
XV-3U/32	7,390	138,0	68,0	1" BSPP	1" BSPP
XV-3U/38	7,520	143,0	70,5	1" BSPP	1" BSPP
XV-3U/43	7,630	147,0	72,5	1" BSPP	1" BSPP
XV-3U/47	7,710	150,0	74,0	1" BSPP	1" BSPP
XV-3U/51	7,790	153,0	75,5	1" BSPP	1" BSPP
XV-3U/54	7,870	156,0	77,0	1" BSPP	1" BSPP
XV-3U/61	8,010	161,0	79,5	1" 1/4 BSPP	1" 1/4 BSPP
XV-3U/64	8,090	164,0	81,0	1" 1/4 BSPP	1" 1/4 BSPP
XV-3U/70	8,220	169,0	83,5	1" 1/4 BSPP	1" 1/4 BSPP
XV-3U/74	8,300	172,0	85,0	1" 1/4 BSPP	1" 1/4 BSPP
XV-3U/90	8,570	182,0	90,0	1" 1/4 BSPP	1" 1/4 BSPP



T.1 = 60÷65 [Nm] - screw tightening torque M10

T.3 = 75 [Nm] - torque wrench setting 22

T.2 = 482 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

Table of variations

XV-3U

ø50.8 FLANGE

ø50.8 FLANGE				Shaft		Cover		
Left rotation		Right rotation				Left rotation	Right rotation	
	01		02	CO001 - Tapered T.2 = 482 [Nm] 	A			A
				CI004 - Parallel T.2 = 180 [Nm] 	H			B
				SCF04 - Splined T.2 = 264 [Nm] 	I			C
								D

Displacement	
TYPE	CODE
XV-3U/15	66
XV-3U/18	68
XV-3U/21	70
XV-3U/27	72
XV-3U/32	74
XV-3U/38	78
XV-3U/43	79
XV-3U/47	80
XV-3U/51	81
XV-3U/54	82
XV-3U/61	83
XV-3U/64	85
XV-3U/70	86
XV-3U/74	87
XV-3U/90	89

Standard bodies				
Displacement cm3/rev	Standard threads			
15	A - A	D - D	H - H	
18	A - A	D - D	H - H	
21	A - A	D - D	H - H	
27	A - A	E - E	H - H	
32	B - B	E - E	H - H	
38	B - B	E - E	H - H	
43	B - B	E - E	H - H	
47	B - B	E - E	H - H	
51	B - B	E - E	H - H	
54	B - B	E - E	H - H	
61	C - C	F - F		
64	C - C	F - F		
70	C - C	F - F		
74	C - C	F - F		
90	C - C	F - F		

Table showing standard flange and thread combinations available in stock

Body (threads/flanges)									
	A		B		C		D		E
	H		I		L		M		N
	O		P		Z				