

A15VSO serie 1x

Without charge pump (A15VSO) rotary group version E and P

Size	NG		110	145	175	210	280		
Displacement, geometric, per revolution	$V_{g \max}$	in ³	6.71	8.85	10.68	12.81	17.09		
		cm ³	110.0	145.0	175.0	210.0	280.0		
	$V_{g \min}$	in ³ (cm ³)	0	0	0	0	0		
Rotational speed maximum ¹⁾	at $V_{g \max}^{2)}$ version E	n_{nom}	rpm	2400	-	-	-		
			at $V_{g \max}^{2)}$ version P	-	2300	2150	2100	1800	
	at $V_g \leq V_{g \max}^{3)}$ version E	n_{max}	rpm	2400	-	-	-		
			at $V_g \leq V_{g \max}^{3)}$ version P	-	2600	2500	2350 ⁴⁾	2150 ⁴⁾	
Flow	at n_{nom} and $V_{g \max}$	q_v	gpm	70	88	99	117	133	
			l/min	264	334	376	441	504	
Power	at n_{nom} , $V_{g \max}$ and $\Delta p = 5100$ psi (350 bar)	P	hp	207	261	294	349	394	
			kW	154	195	219	257	294	
Torque	at $V_{g \max}$ and $\Delta p = 5100$ psi (350 bar) ²⁾	M	lb-ft	452	596	719	863	1151	
			Nm	613	808	975	1170	1560	
Rotary stiffness of drive shaft	1 3/4 in 13T 8/16DP	T1	c	lb-ft/rad	-	173327	179227	187340	-
				kNm/rad	-	235	243	254	-
	2 in 15T 8/16DP	T2	c	lb-ft/rad	-	210942	219794	231595	-
				kNm/rad	-	286	298	314	-
	2 1/4 in 17T 8/16DP	T3	c	lb-ft/rad	-	-	-	-	382795
				kNm/rad	-	-	-	-	519
	W45	B1	c	lb-ft/rad	178489	-	-	-	-
				kNm/rad	242	-	-	-	-
	W50	B2	c	lb-ft/rad	-	246345	263309	281011	-
				kNm/rad	-	334	357	381	-
	W60	B4	c	lb-ft/rad	-	-	-	-	475727
				kNm/rad	-	-	-	-	645
	2 in	L2	c	lb-ft/rad	-	-	-	-	358455
				kNm/rad	-	-	-	-	486
Moment of inertia rotary group	version E	J_{TW}	lb-ft ²	0.5221	-	-	-	-	
			kgm ²	0.022	-	-	-	-	
	version P	J_{TW}	lb-ft ²	-	0.8306	1.0679	1.4238	2.3019	
			kgm ²	-	0.035	0.045	0.06	0.097	
Maximum angular acceleration ⁵⁾	version E	α	rad/s ²	7465	-	-	-	-	
	version P	α	rad/s ²	-	6298	5609	5014	4200	
Case volume		V	gal (l)	0.58 (2.2)	0.71 (2.7)	0.95 (3.6)	1.06 (4)	1.72 (6.5)	
Weight (without through drive) approx.		m	lbs (kg)	141 (64)	174 (79)	214 (97)	245 (111)	315 (143)	

With charge pump (A15VLO) rotary group version P

Size		NG	145	175	210	280	
Displacement, geometric, per revolution	$V_{g \max}$	in ³	8.85	10.68	12.81	17.09	
		cm ³	145.0	175.0	210.0	280.0	
	$V_{g \min}$	in ³	0	0	0	0	
		cm ³	0	0	0	0	
Rotational speed maximum ¹⁾	at $V_{g \max}$ ²⁾	n_{nom}	rpm	2600 ³⁾	2500 ³⁾	2350 ⁴⁾	2150 ⁴⁾
	at $V_g \leq V_{g \max}$	n_{max}	rpm	2600 ³⁾	2500 ³⁾	2350 ⁴⁾	2150 ⁴⁾
Flow	at n_{nom} and $V_{g \max}$	q_v	gpm	100	116	130	159
			l/min	377	438	493	602
Power	at n_{nom} , $V_{g \max}$ and $\Delta p = 5100$ psi (350 bar)	P	hp	295	342	386	470
			kW	220	255	288	351
Torque	at $V_{g \max}$ and $\Delta p = 5100$ psi (350 bar) ²⁾	M	lb-ft	596	719	863	1151
			Nm	808	975	1170	1560
Rotary stiffness of drive shaft	1 3/4 in 13T 8/16DP T1	c	lb-ft/rad	173327	179227	187340	-
			kNm/rad	235	243	254	-
	2 in 15T 8/16DP T2	c	lb-ft/rad	210942	219794	231595	-
			kNm/rad	286	298	314	-
	2 1/4 in 17T 8/16DP T3	c	lb-ft/rad	-	-	-	382795
			kNm/rad	-	-	-	519
Moment of inertia	J_{TW}	lb-ft ²	0.8306	1.0679	1.4238	2.3019	
		kgm ²	0.035	0.047	0.063	0.1	
Maximum angular acceleration ⁵⁾	α	rad/s ²	6298	5609	5014	4100	
Case volume	V	gpm	0.77	0.95	0.98	1.48	
		(l)	(2.9)	3.6	3.7	5.6	
Weight (without through drive) approx.	m	lbs	203	243	276	326	
		(kg)	92	110	125	148	

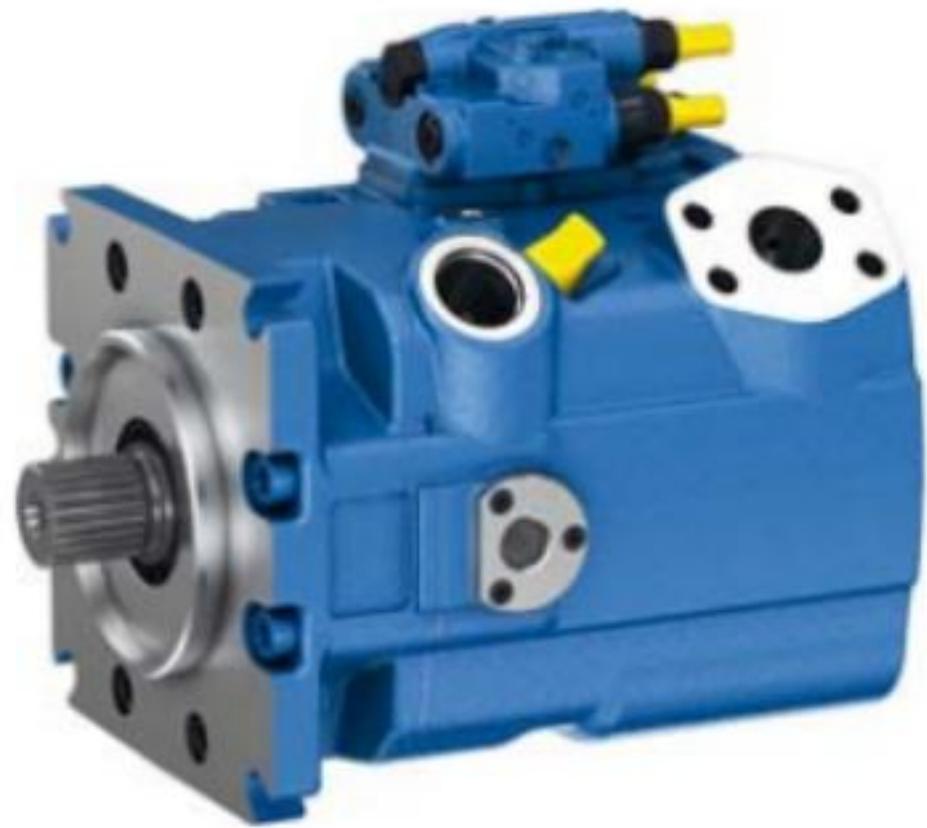
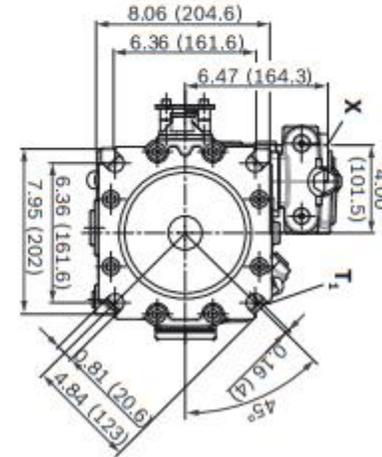
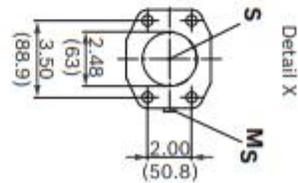
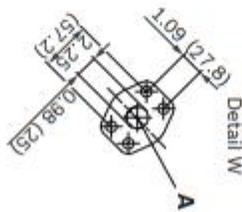
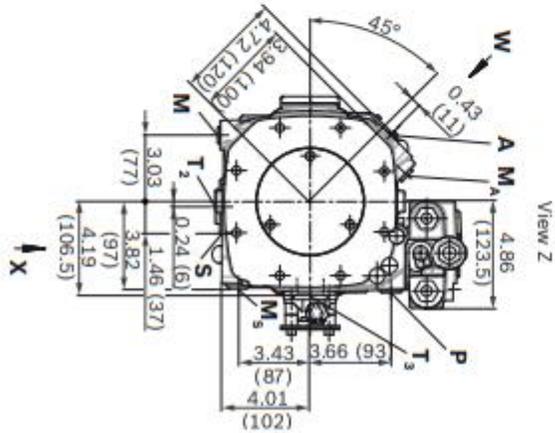
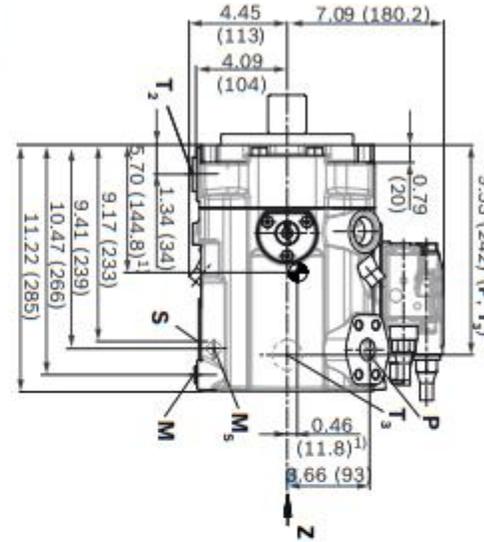
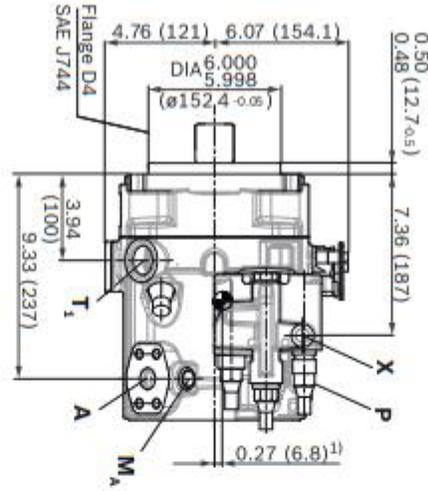
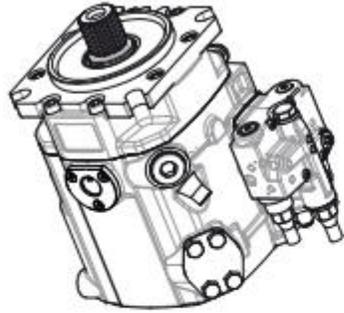
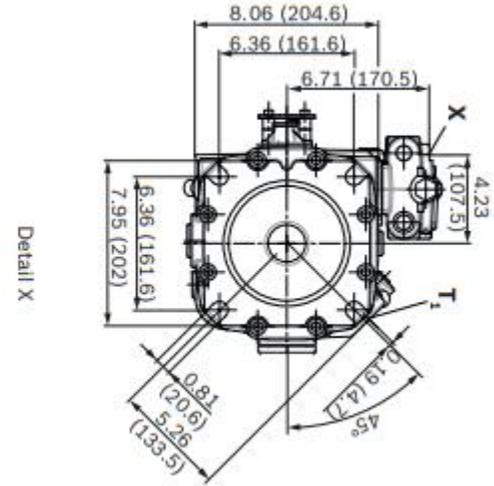
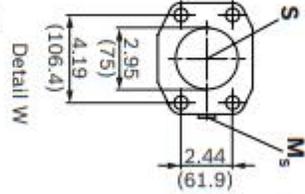
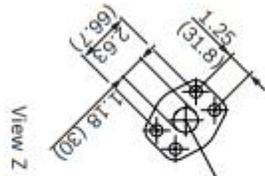
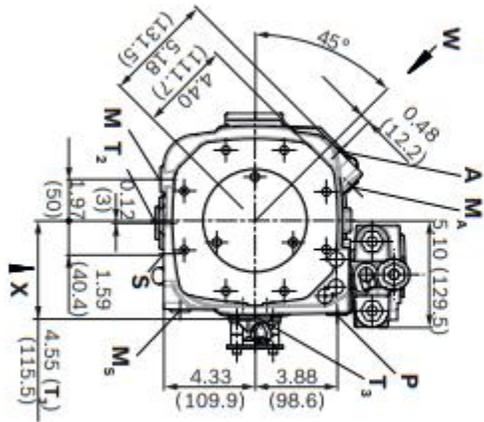
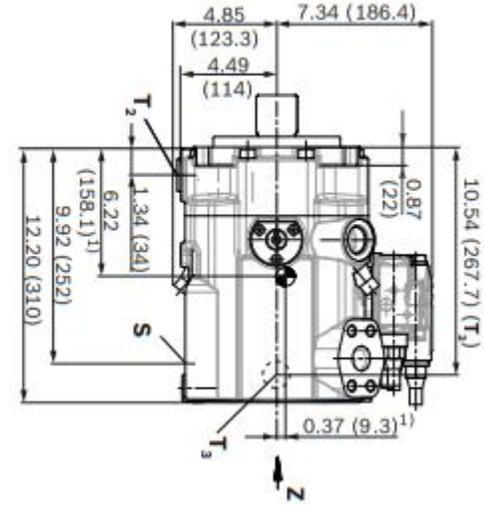
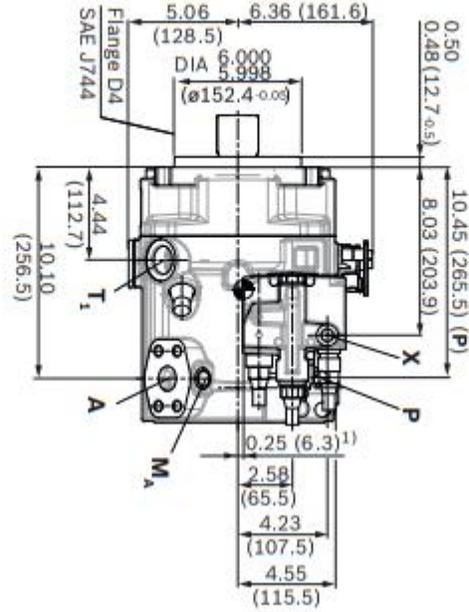
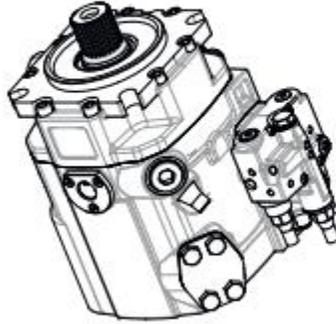


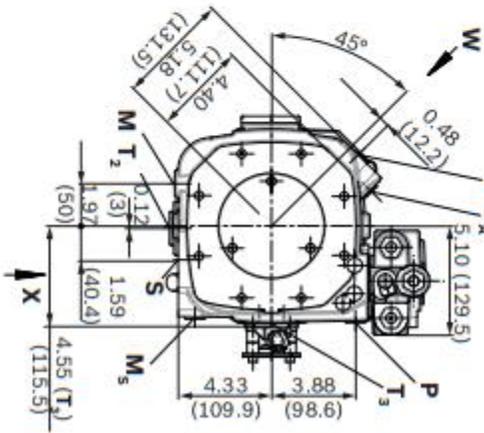
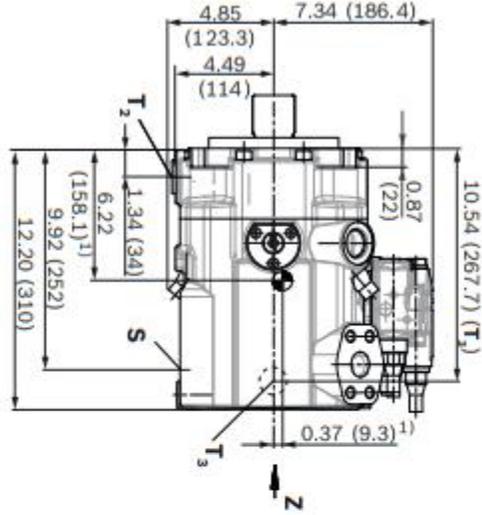
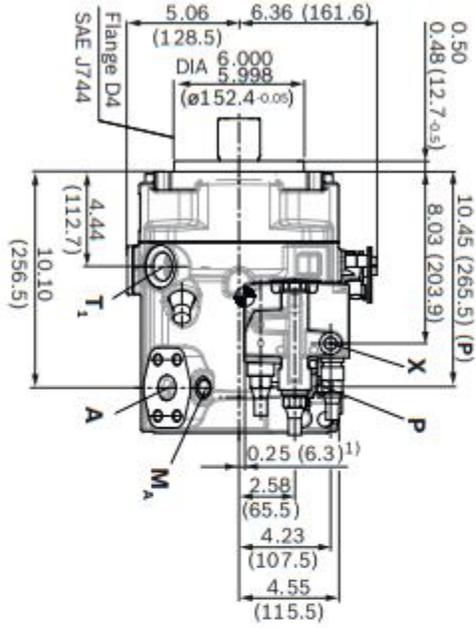
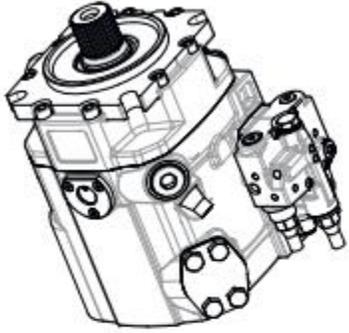
Схема установки

Dimensions, size 110

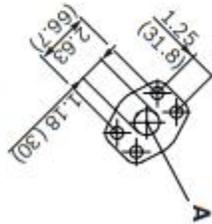


Dimensions, size 145

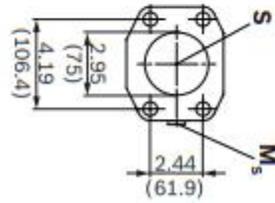




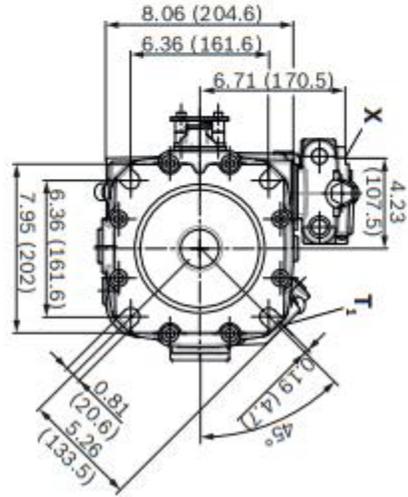
Detail Z



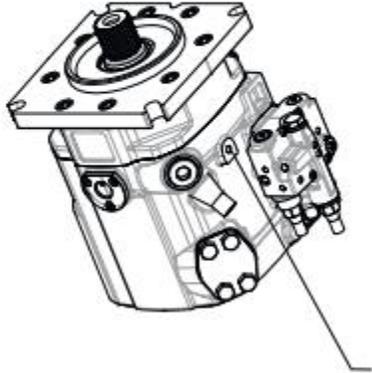
Detail W



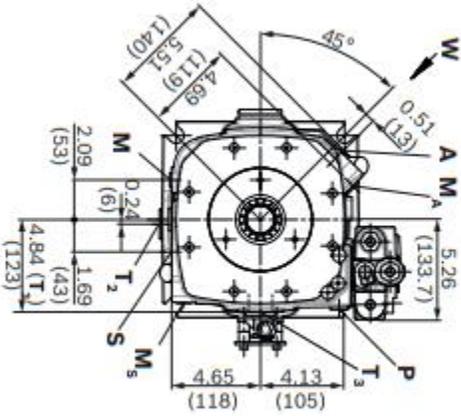
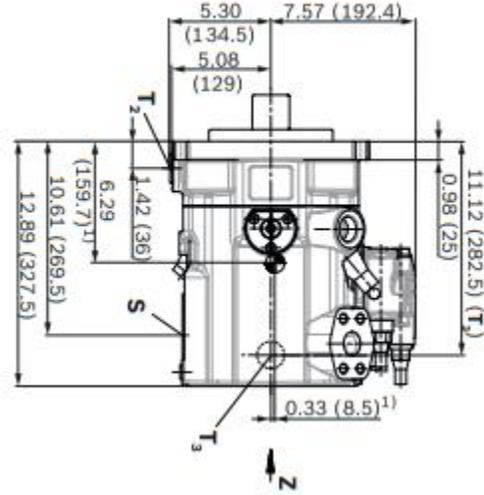
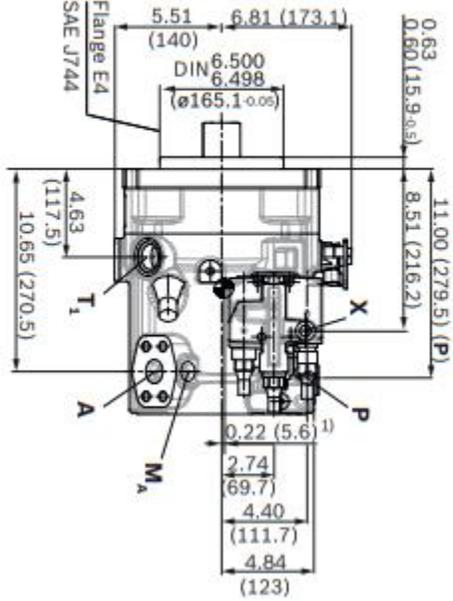
Detail X



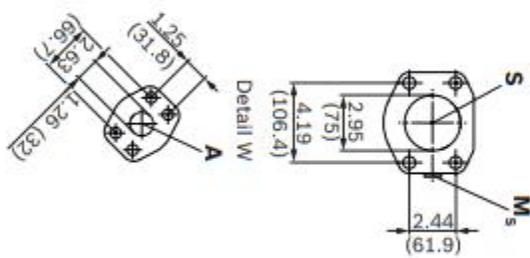
Dimensions, size 175



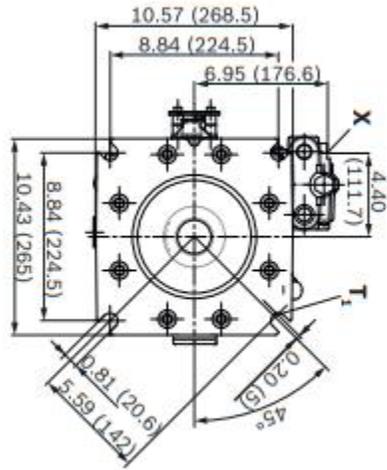
3/8-16UNC-2B; .71 (18) deep
 Thread for eye bolt
 (additional thread on case bottom)

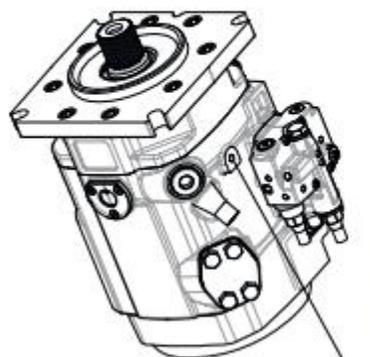
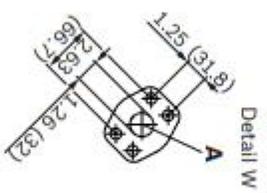
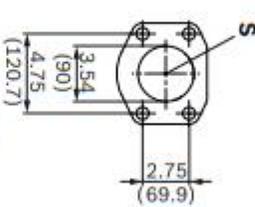
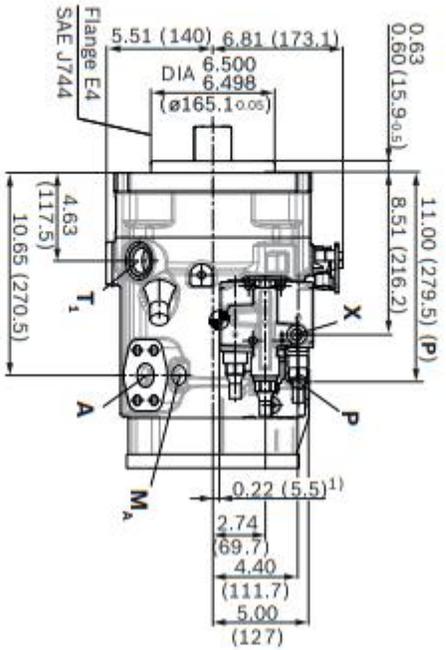
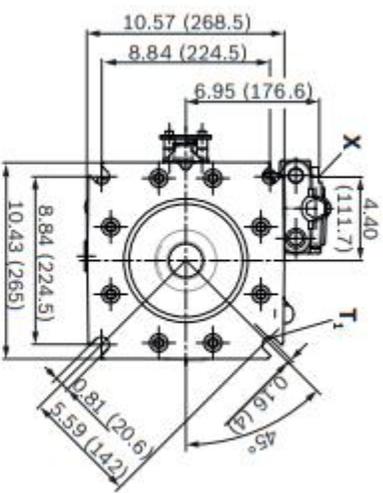
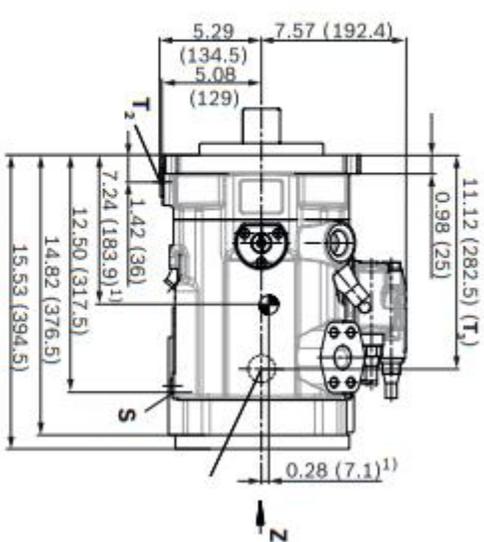


View Z

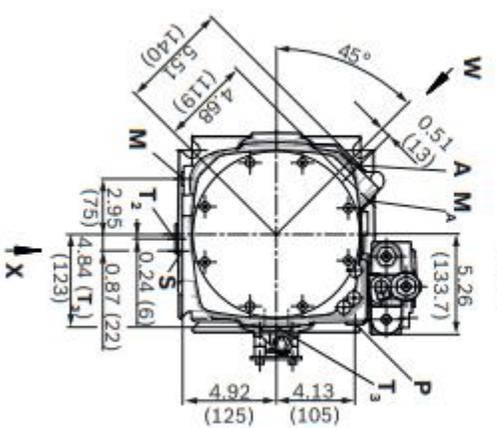


Detail X





3/8-16UNC-2B;.71 (18) deep
Thread for eye bolt
(additional thread on case bottom)

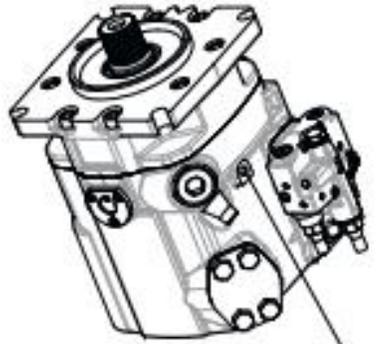


Detail X

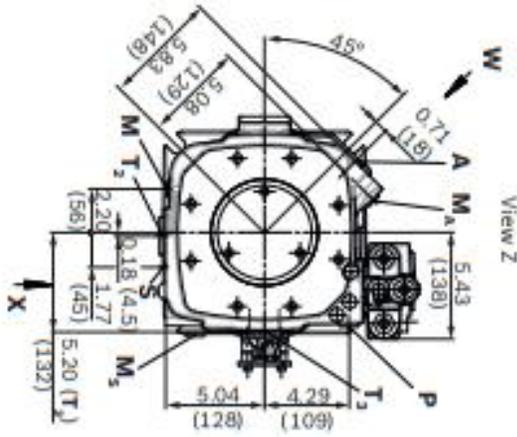
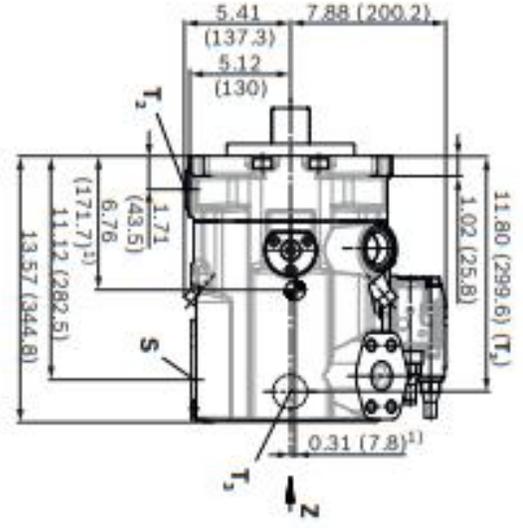
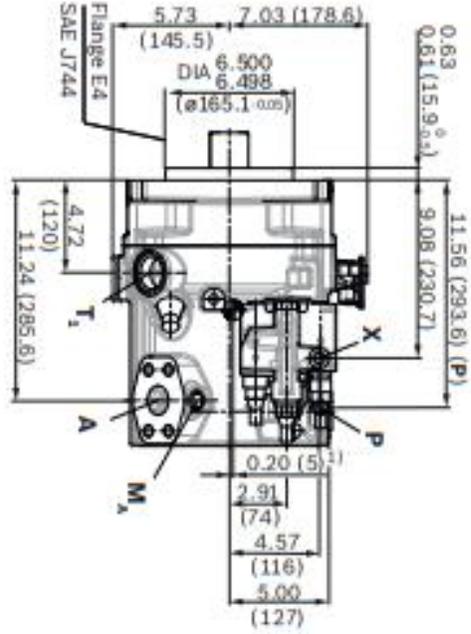
Detail W

View Z

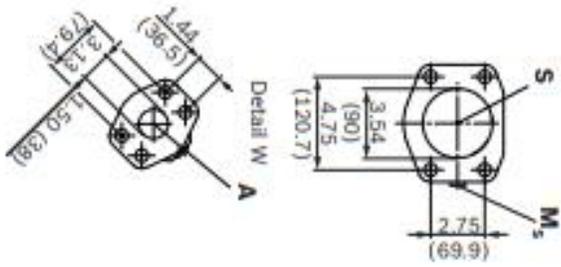
Dimensions, size 210



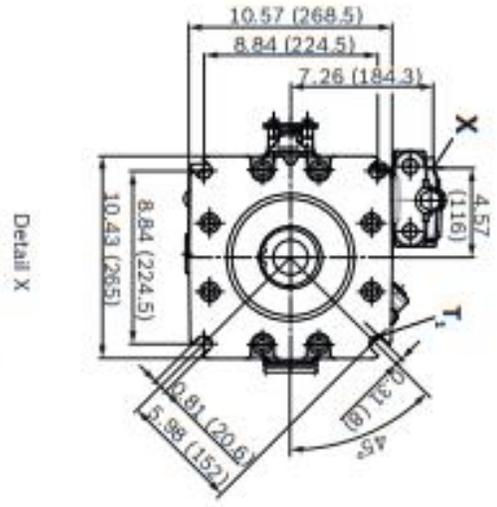
1/2-13UNC-2B; 0.87 (22) deep
 Thread for eye bolt
 (additional thread on case bottom)



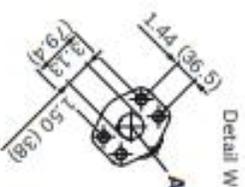
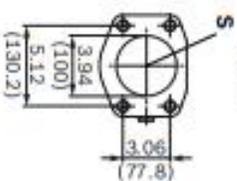
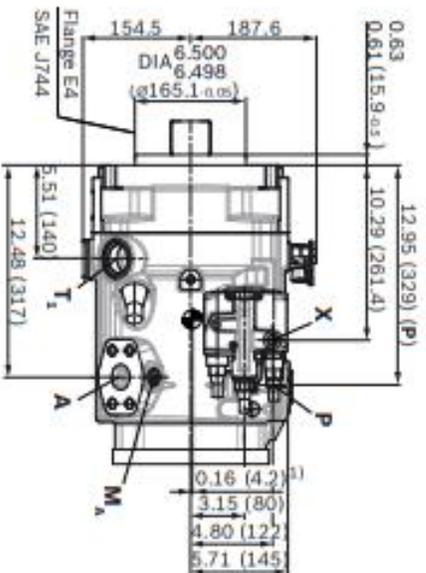
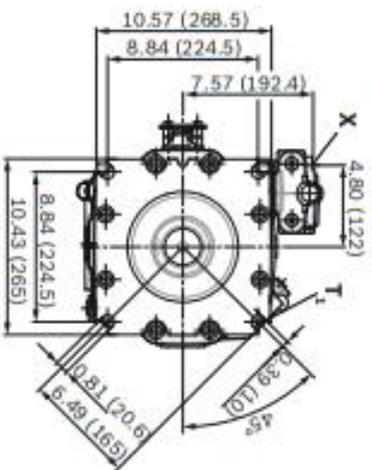
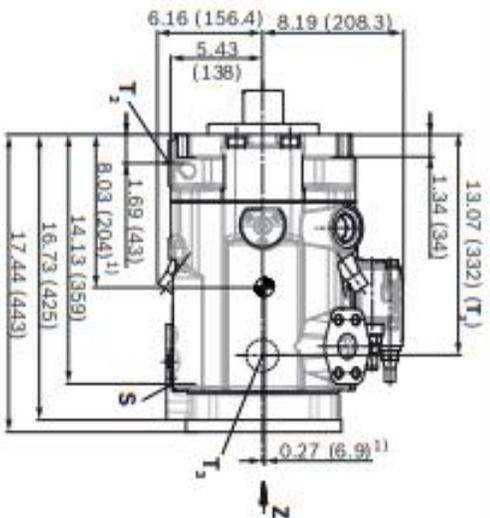
View Z



Detail W

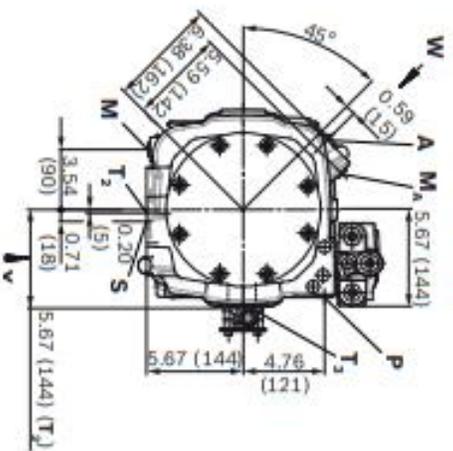
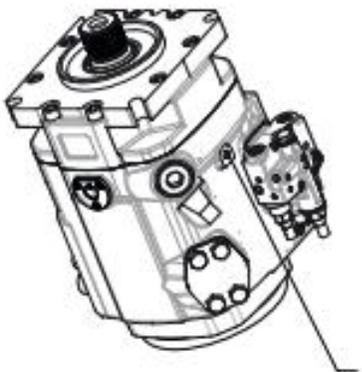


Detail X

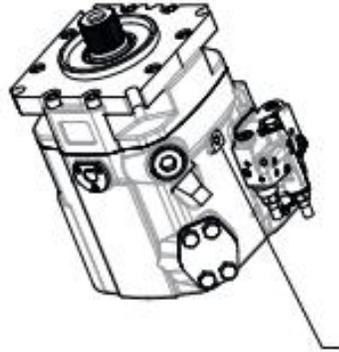


1/2-13UNC-2B; 0.87 (22) deep
Thread for eye bolt
(additional thread on case bottom)

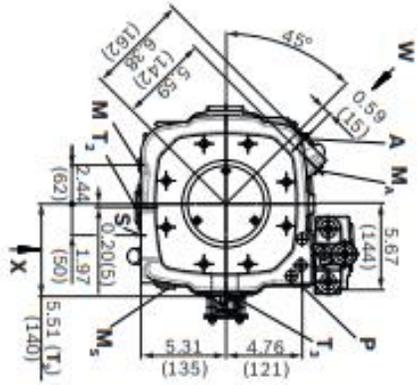
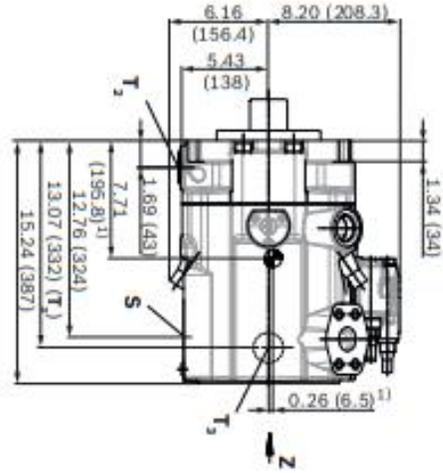
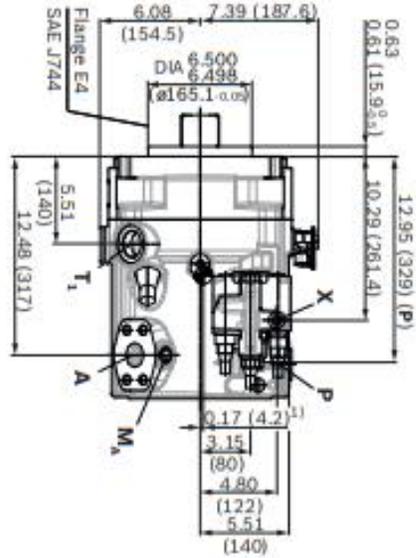
View Z



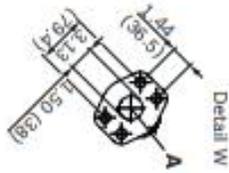
Dimensions, size 280



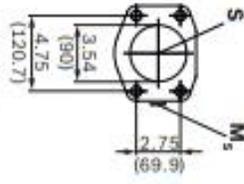
1/2-13UNC-2B, 22 (0.87) deep
Thread for eye bolt
(additional thread on case bottom)



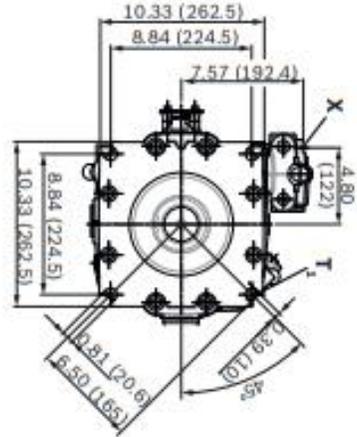
View Z

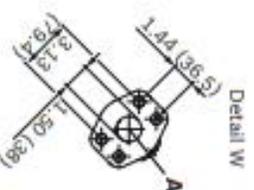
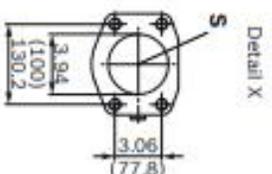
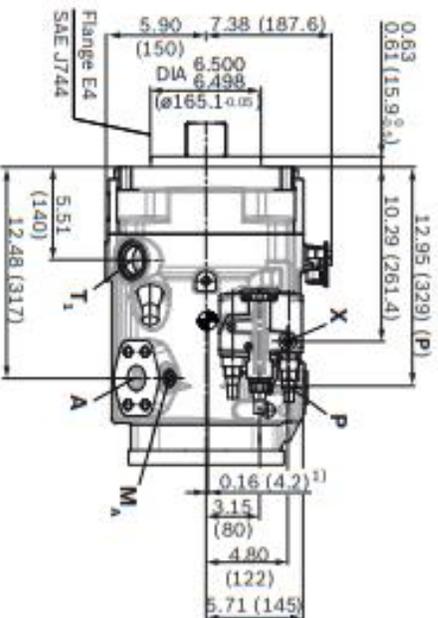
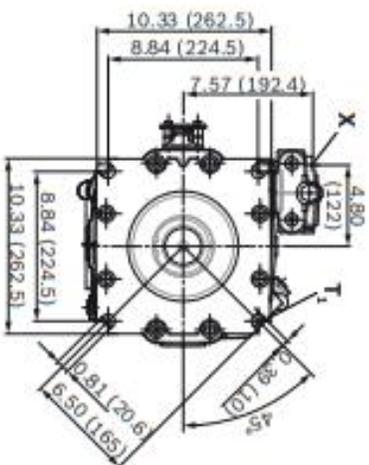
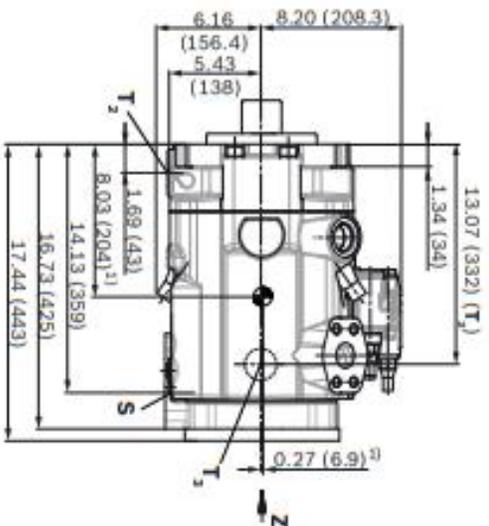


Detail W

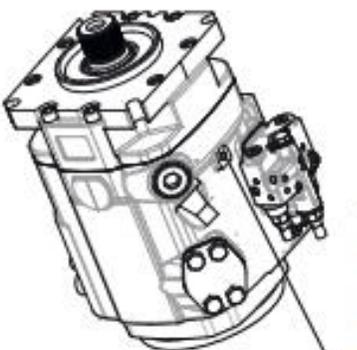


Detail X

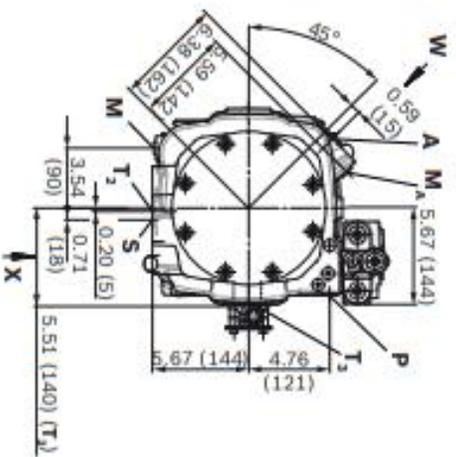




1/2-13UNC-2B, 22 (0.87) deep
Thread for eye bolt
(additional thread on case bottom)



View Z



Detail X

Примечания: Если Вам нужна более подробная информация, можете связаться с нами (например, структура и параметры размера отверстия для утечки масла (Dt); структура входа и выхода и параметры размера шестеренного насоса; требования к форме и параметрам и нтерфейса гнезда электромагнитного клапана, уровень защиты и т.д.)