

Technical data

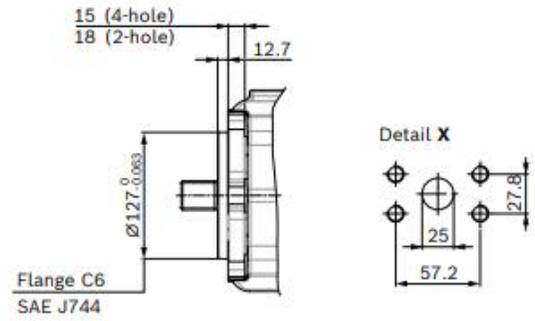
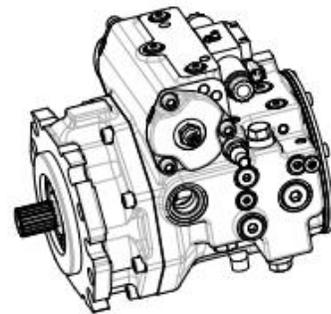
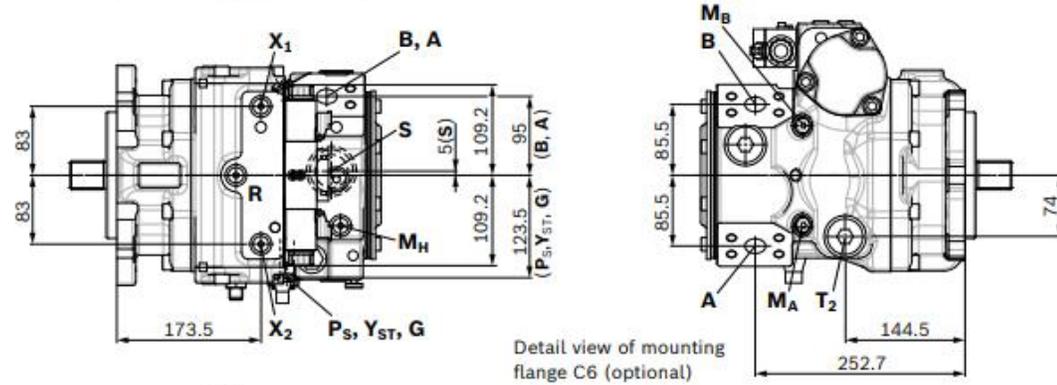
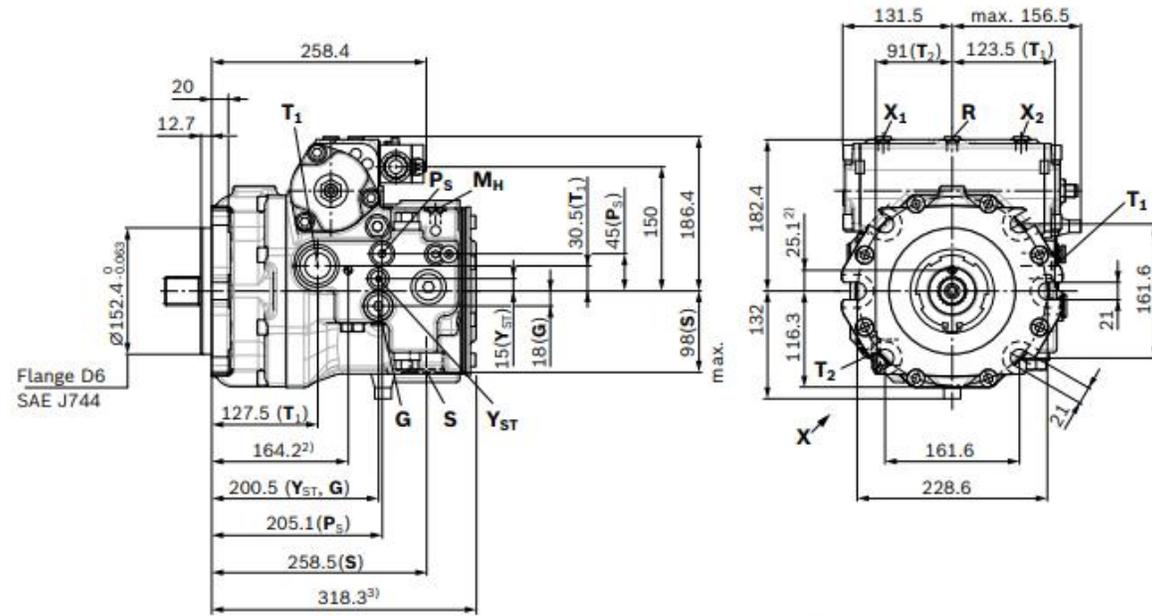
A4VG serie 40

Size		NG		110	125	145	175	210	280	
Displacement, geometric, per revolution										
	variable pump (at $p = 20$ bar)	$V_{g \max}$	cm ³	110.4	125	145.3	175.4	210.6	280.3	
	standard boost pump (at $p = 20$ bar)	$V_{g \text{ Sp}}$	cm ³	24.5	31	32	39	46	60	
	large boost pump (at $p = 20$ bar) ¹⁾	$V_{g \text{ Sp}}$	cm ³	31	-	39	47	60	-	
Torque ²⁾	at $V_{g \max}$ and	$\Delta p = 430$ bar	M	Nm	756	856	994	1200	1441	1918
		$\Delta p = 100$ bar	M	Nm	176	200	231	279	335	446
Rotary stiffness of drive shaft										
	V8	c	kNm/rad	173	-	-	-	-	-	
	T1	c	kNm/rad	214	193	248	266	-	-	
	T2	c	kNm/rad	246	219	293	-	394	411	
	T3	c	kNm/rad	-	-	340	374	483	510	
	Z9	c	kNm/rad	219	-	-	-	-	-	
	A1	c	kNm/rad	251	222	300	326	407	-	
	A2	c	kNm/rad	-	-	326	357	-	-	
	A3	c	kNm/rad	-	-	-	-	516	546	
Moment of inertia for rotary group		J_{TW}	kgm ²	0.0218	0.0232	0.0330	0.0570	0.0632	0.0975	
Maximum angular acceleration ³⁾		α	rad/s ²	14500	13000	12000	10000	8000	5000	
Case volume		V	l	2.5	2.3	3.3	3.1	4.9	5.4	
Weight (without through drive) approx.		m	kg	88	84	106	115	152	160	
Standard rotary group										
Rotational speed ⁴⁾	maximum at $V_{g \max}$	$n_{\text{nom S}}$	rpm	3150	3000	2850	2650	2500	2400	
	at $\Delta p \geq 40$ bar ($t < 15$ s)	$n_{\text{max 40}}$	rpm	3350	3150	3000	2800	2650	2550	
	minimum	n_{min}	rpm	500	500	500	500	500	500	
Flow	at n_{nom} and $V_{g \max}$	q_v	l/min	348	375	414	465	527	673	
Power ²⁾	at n_{nom} , $V_{g \max}$ and $\Delta p = 430$ bar	P	kW	249	269	297	333	377	482	
High-speed rotary group										
Rotational speed ⁵⁾	maximum at $V_{g \max}$	$n_{\text{nom H}}$	rpm	3400	-	3050	3000	-	-	
	at $\Delta p \geq 40$ bar ($t < 15$ s)	$n_{\text{max 40}}$	rpm	3600	-	3200	3100	-	-	
	minimum	n_{min}	rpm	500	-	500	500	-	-	
Flow	at n_{nom} and $V_{g \max}$	q_v	l/min	375	-	443	526	-	-	
Power ²⁾	at n_{nom} , $V_{g \max}$ and $\Delta p = 430$ bar	P	kW	269	-	318	377	-	-	



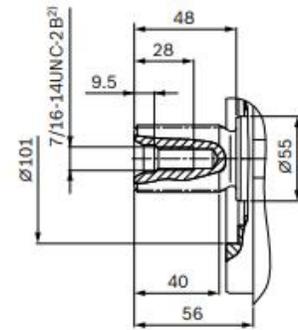
Схема установки

Dimensions, size 110



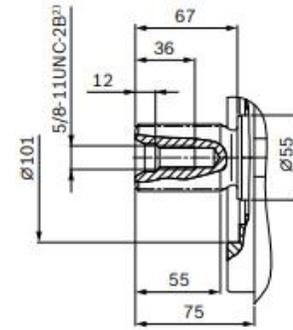
▼ Splined shaft ANSI B92.1a-1976

V8 - 1 3/8 in 21T 16/32DP¹⁾



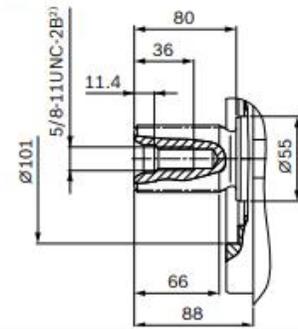
▼ Splined shaft ANSI B92.1a

T1 - 1 3/4 in 13T 8/16DP¹⁾



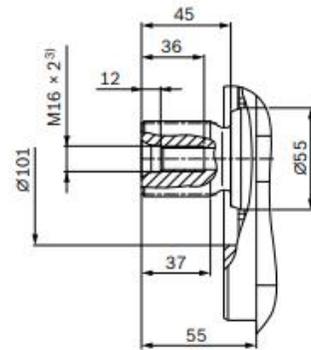
▼ Splined shaft ANSI B92.1a

T2 - 2 in 15T 8/16DP¹⁾



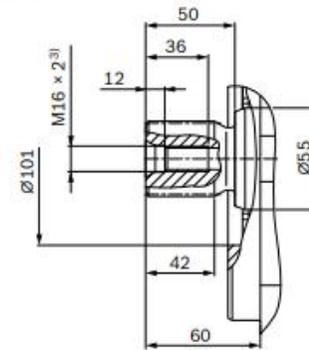
▼ Splined shaft DIN 5480

Z9 - W40x2x18x9g

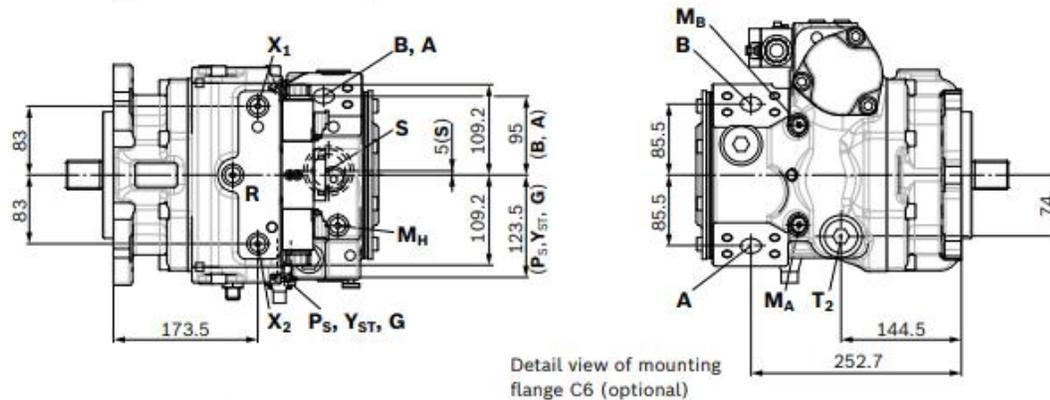
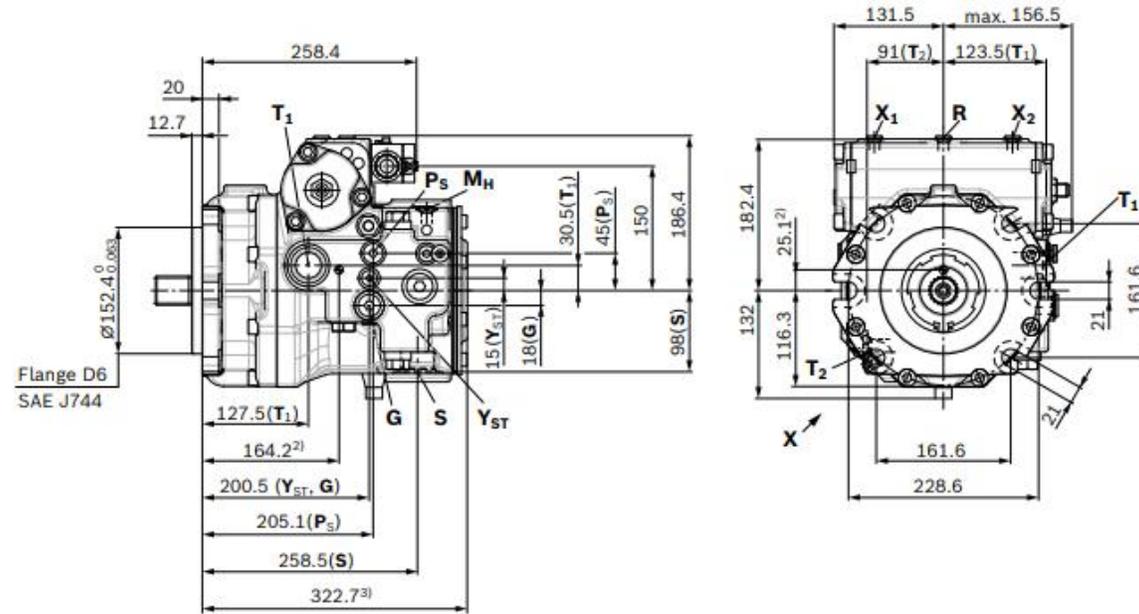


▼ Splined shaft DIN 5480

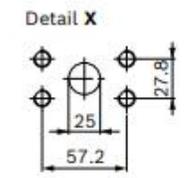
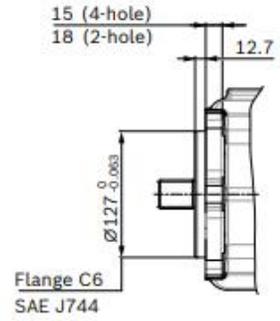
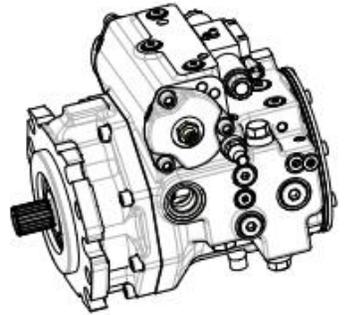
A1 - W45x2x21x9g



Dimensions, size 125

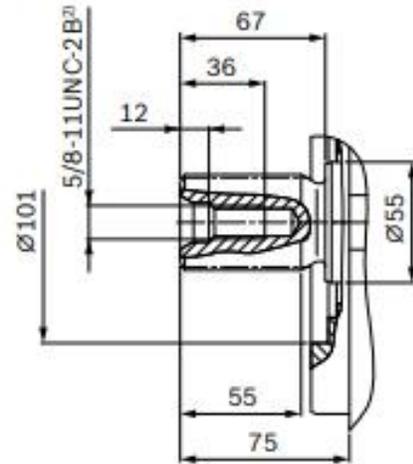


Detail view of mounting flange C6 (optional)



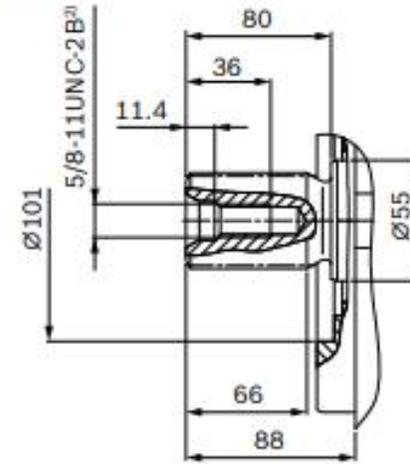
▼ Splined shaft ANSI B92.1a

T1 - 1 3/4 in 13T 8/16DP¹⁾



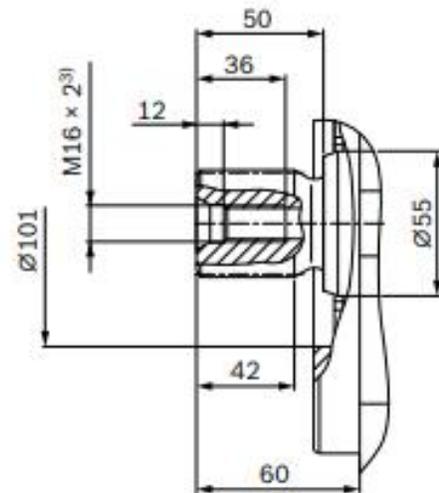
▼ Splined shaft ANSI B92.1a

T2 - 2 in 15T 8/16DP¹⁾

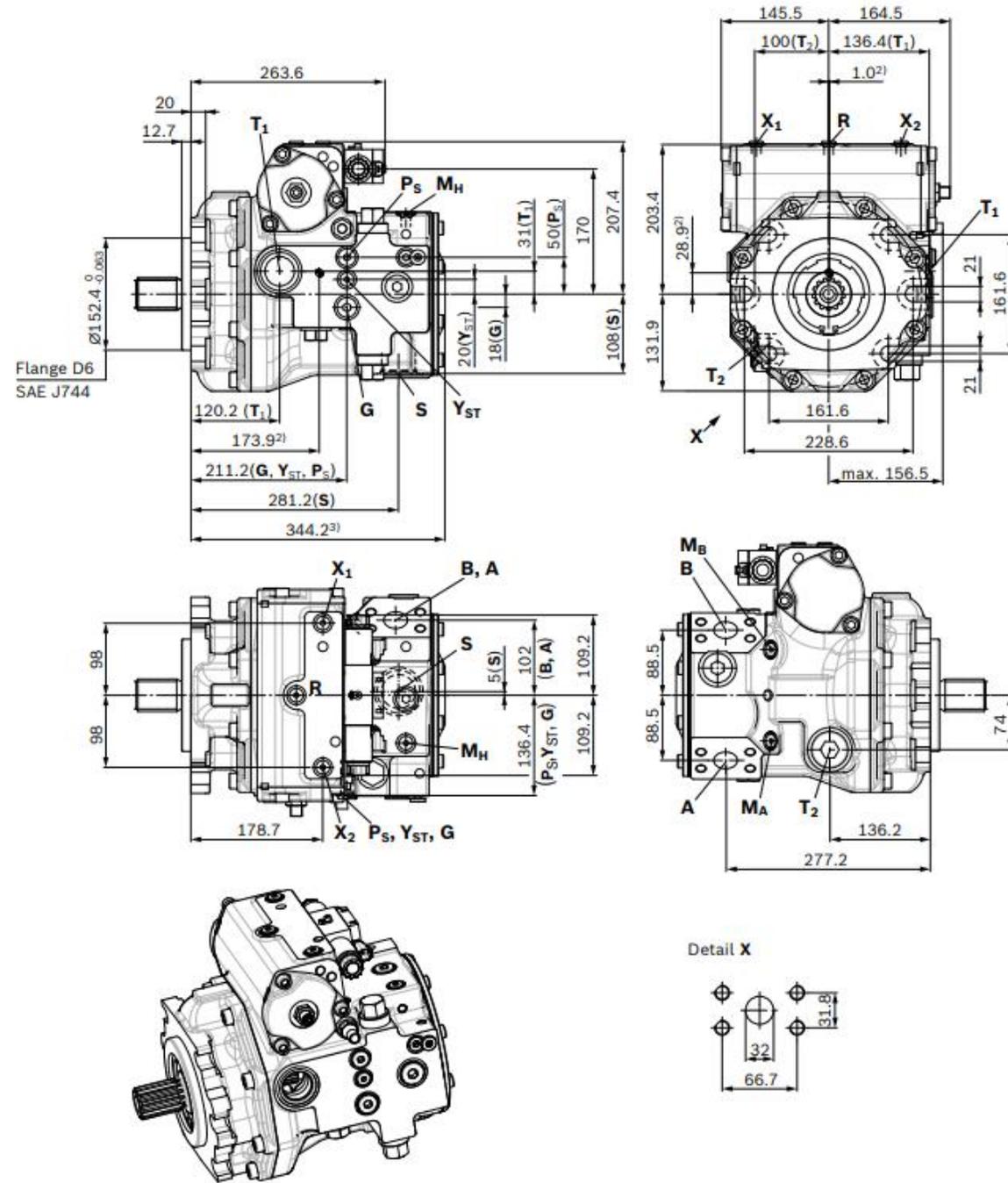


▼ Splined shaft DIN 5480

A1 - W45x2x21x9g

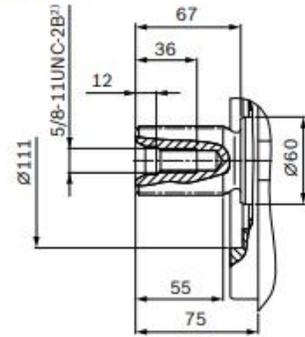


Dimensions, size 145



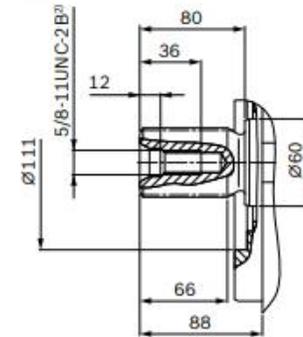
▼ Splined shaft ANSI B92.1a

T1 - 1 3/4 in 13T 8/16DP¹⁾



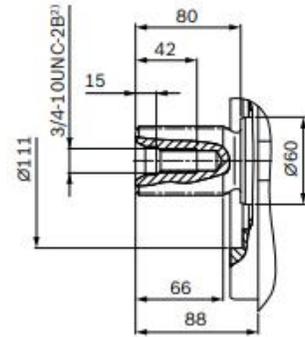
▼ Splined shaft ANSI B92.1a

T2 - 2 in 15T 8/16DP¹⁾



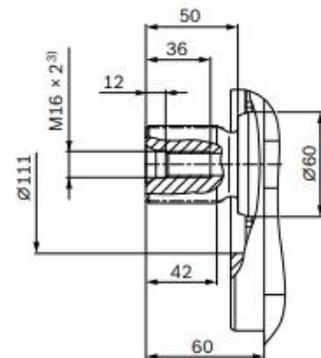
▼ Splined shaft ANSI B92.1a

T3 - 2 1/4 in 17T 8/16DP¹⁾



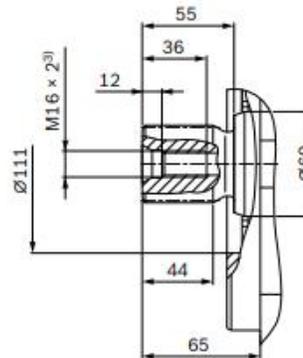
▼ Splined shaft DIN 5480

A1 - W45x2x21x9g

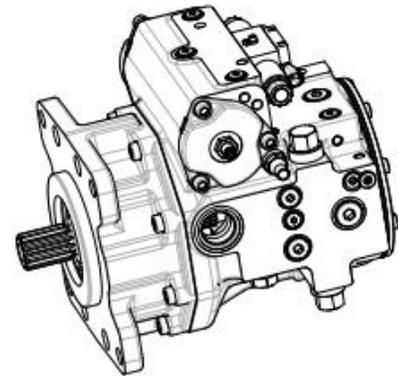
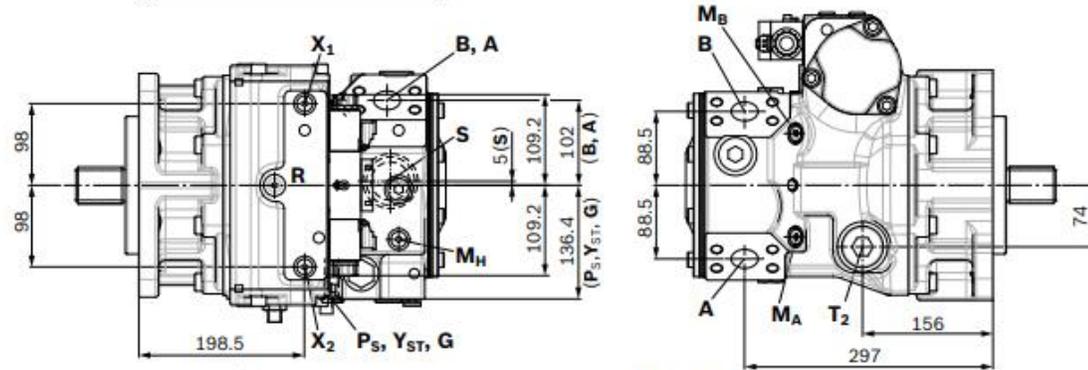
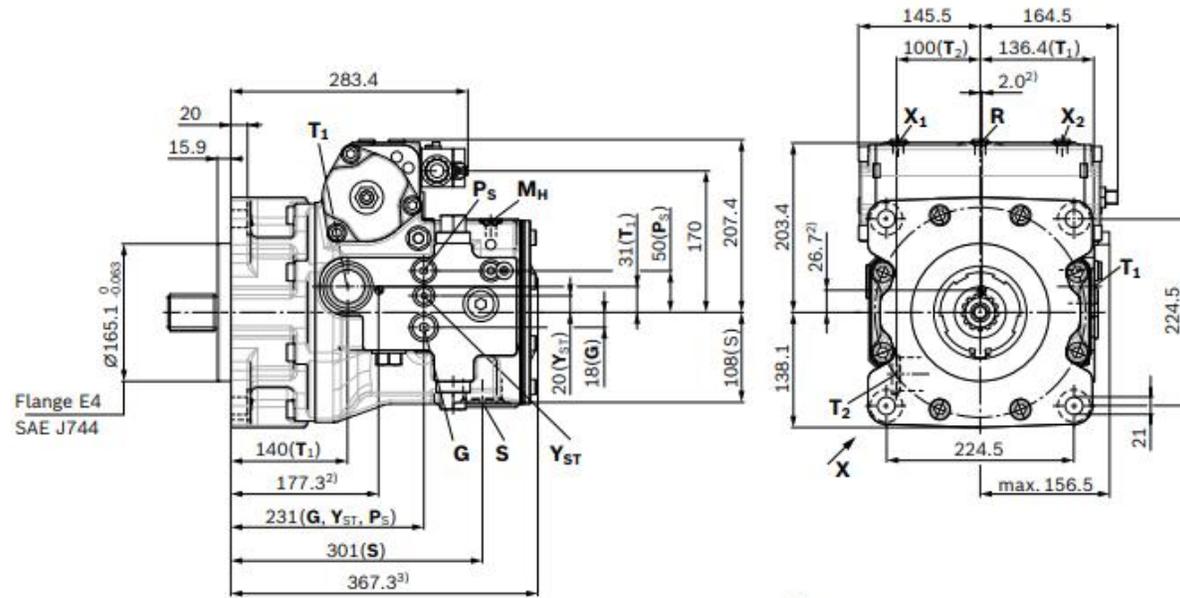


▼ Splined shaft DIN 5480

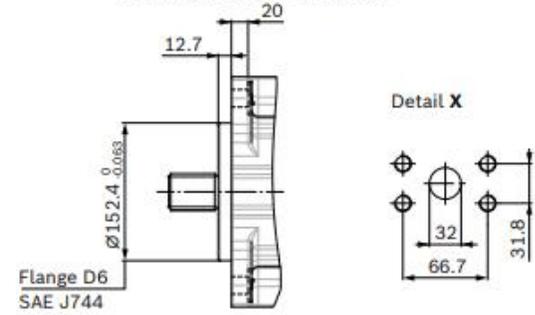
A2 - W50x2x24x9g



Dimensions, size 175

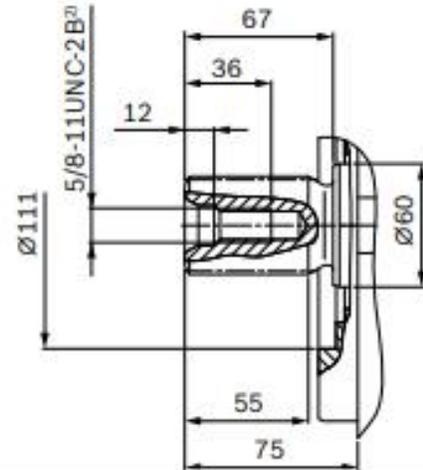


Detail view of mounting flange D6 (optional)



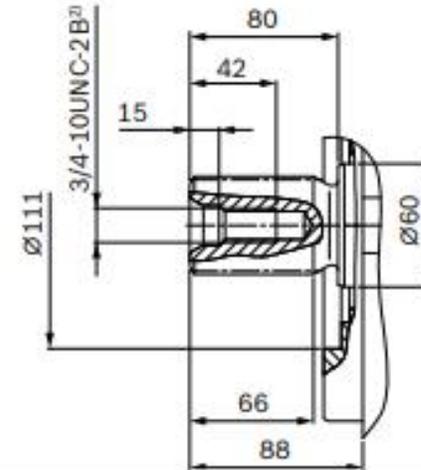
▼ Splined shaft ANSI B92.1a

T1 - 1 3/4 in 13T 8/16DP¹⁾



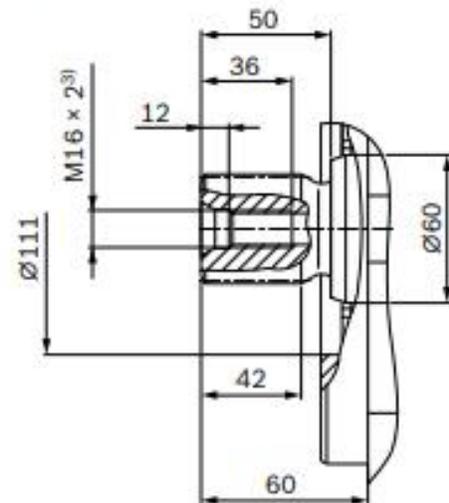
▼ Splined shaft ANSI B92.1a

T3 - 2 1/4 in 17T 8/16DP¹⁾



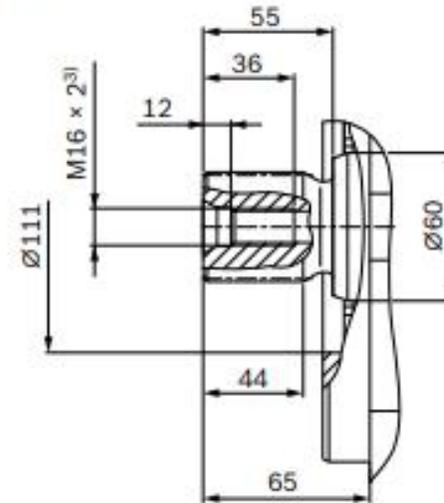
▼ Splined shaft DIN 5480

A1 - W45x2x21x9g

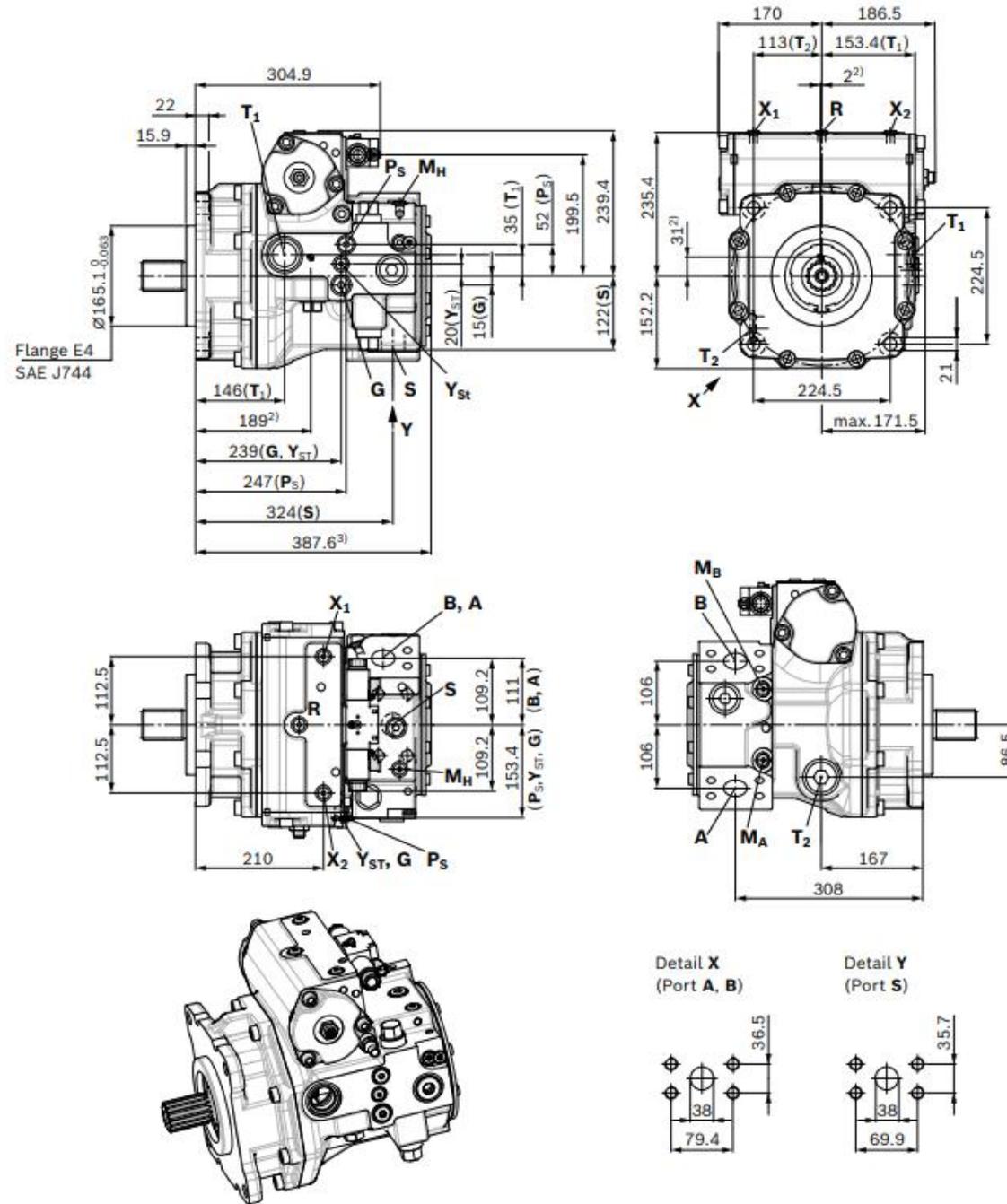


▼ Splined shaft DIN 5480

A2 - W50x2x24x9g

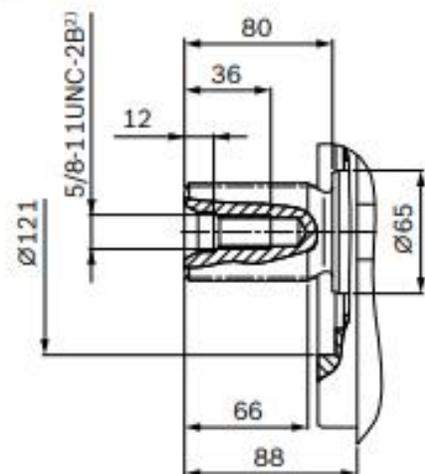


Dimensions, size 210



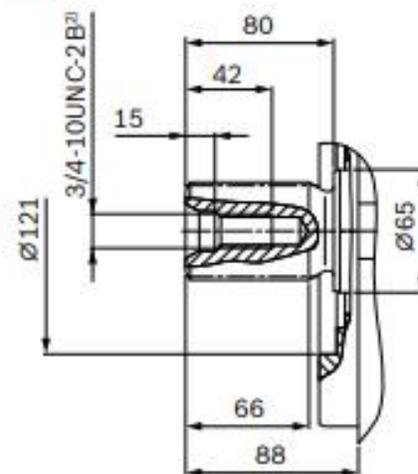
▼ Splined shaft ANSI B92.1a

T2 - 2 in 15T 8/16DP¹⁾



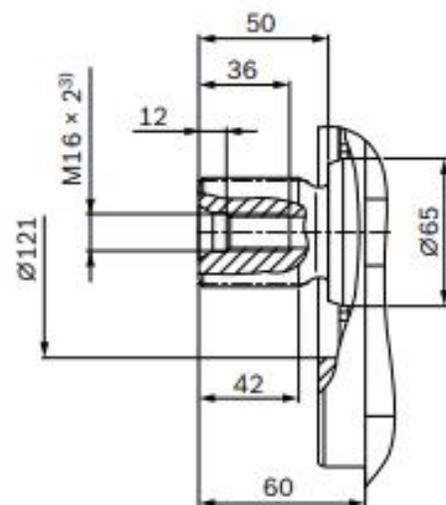
▼ Splined shaft ANSI B92.1a

T3 - 2 1/4 in 17T 8/16DP¹⁾



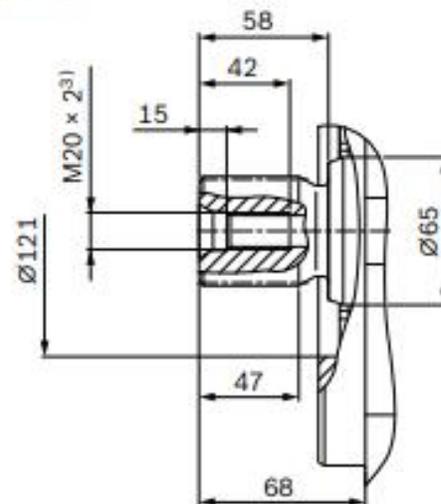
▼ Splined shaft DIN 5480

A1 - W45x2x21x9g

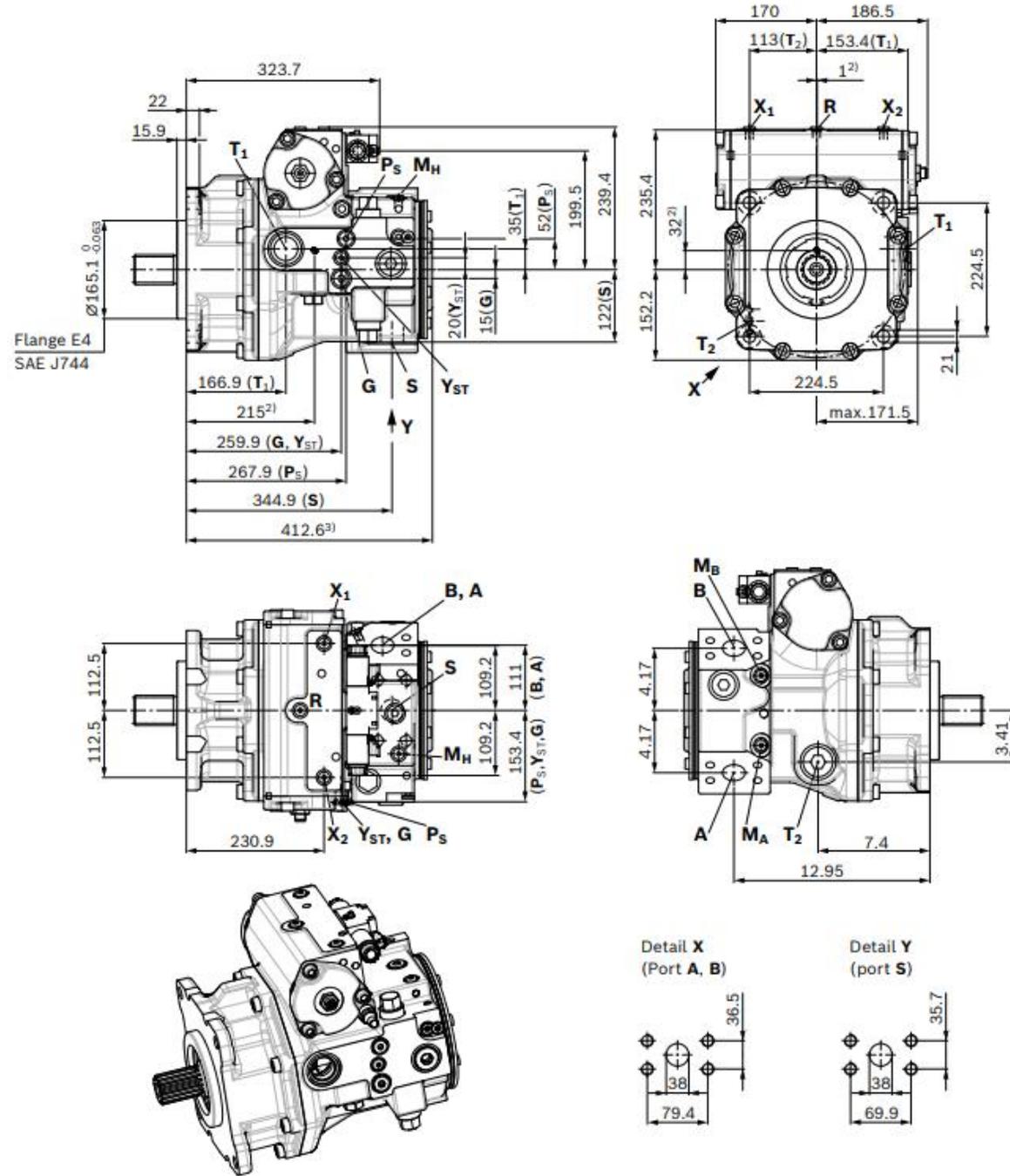


▼ Splined shaft DIN 5480

A3 - W55x2x26x9g

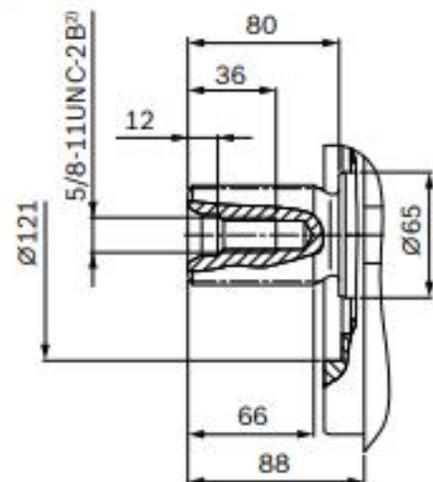


Dimensions, size 280



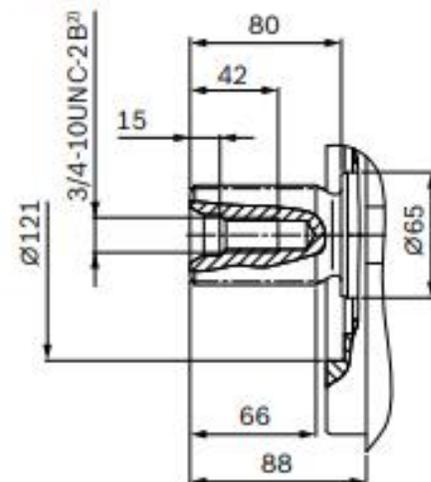
▼ Splined shaft ANSI B92.1a

T2 - 2 in 15T 8/16DP¹⁾



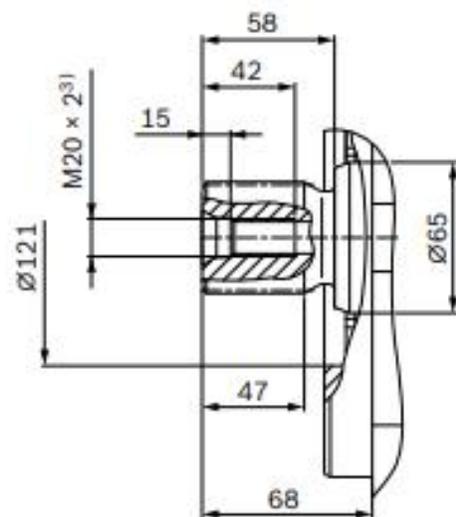
▼ Splined shaft ANSI B92.1a

T3 - 2 1/4 in 17T 8/16DP¹⁾



▼ Splined shaft DIN 5480

A3 - W55×2×26×9g



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.)