					_			_									
		F	ORD T	RAN	ISMIS	SION					FISIDE	ONLY		<u>[</u>			
	A	TORQSHIFT 6R140 6-SPEED								6-E	BOLT OPI						
4		20	16 & LA		F-650/	F-750	GAS OR				E GEAR I	DATA:	É	Y a r	fæ		
1	Mar and a start	2017	F-650/	F-750) GAS (OR DIE	SEL EN	GINE		T 12.09P CATION:	20° PA Spi Front	ur PLMF: 3.4:	39				
		Footnote (1, 2, 5, 6, 7, 8, 9)									FPM	RPM: 1,00	00	7			
6-BC		ENGI		ADAPT	TER	SPAC	ER	STUD KIT	SHIFT	INTERMITTEN @ 1,000 RPN	IT RATING II of PTO						
SING				E3 N		197	JREV					Included	Power	TORQUE	HP 2.9		
	D FR6Q-F	1209- 3D 1209-*3N	IX 4		Opp	127						Included	Power	200	38		
	EAR FR6Q-F1209-*3QX 4 Opp 127											Included	Power	200	38		
	Engine driven d	irect drive	e PTO gear.	*GAS En	gine use sh	ift code "F	" and for DIE	SEL Engir	ne use shift (code "6" to	o obtain cori	rect wiring.					
	Rating shown is and F-650/F-75	for station 0 can be	nary applica used in stat	tions onl ionarv or	y. The 2016 mobile apr	GAS engir	າe F-650/F-75 For switchab	50 must be le stationa	e used in "St arv to mobile	tationary" a e operation	applications . order with	only. The 201 feature optic	7 and later on code "B'	F-250 thru F '.	-550		
Ц <u>3</u>	Remote mount	1¼" Rd k	eyed output	Shaft. D	riveline ver	sion only fe	or 4x2 chassi	S.									
ן ₄	Direct Mount Pi available, but o	amp Outp nly for the	e 4x2 chassis	irts belov S.	v for hydrau	ulic pump a	applications.	Max pump	o RPIVI shov	vn at 0 in.F	lg. The "Q"	or "I" hydrau	ilic output o	options are			
1 5 1 6	PTO output toq Optional oversr	ue rating	is based on	the max	imum availa parately	able torque	from the tra	nsmission									
7	Exhaust heat sh	nield recor	mmended fo	or GAS e	ngine appli	cations, 49	T43320 is inc	cluded wit	h "F" shift o	ption.							
	F-250 thru F-55 cable for the tra	0 with me	echanical sh e	ift 4x4 oi	rder mounti	ng stud kit	20TK6203 (2	20TK6054	for older FF	166) in add	lition to the F	PTO. This is u	used to reat	ttach the co	ntrol		
9	Available with N	Iuncie Sta	art®; Special	Feature	Code "6" f	or stationa	ry applicatior	ns, "7" for	switchable	stationary	to mobile.						
U U Pum	p Selection	Examp	le:														
	Understand th	e flow ar	nd pressure	requirer	ment of you	ur applicat	ion.						, the second of the				
D.	read the basic	st pump : pump se	output flow eries and size	ze. This	e chart tha is the pum	t is based p that will	give you the	flow you	ate engine : desire.	speed for	your applic	ation. Follow	/ the grid u	ip to the top	0 10		
C.	Example: if yo	ur systen	n required 8	B GPM to	o operate,	then you v	vould look fo	or 8 GPM	in the colur	nns. Findi	ng the first	one under th	ne pump P	F4-502 wou	uld		
0	give you a pur engine at 1 80	np which 0 RPM	n will deliver	the 8 G	PM at 1,30	00 RPM. Y	ou would als	o get 8 G	PM if you s	elect the l	PF4-368 pu	mp, but you	would nee	ed to operat	te the		
Č d.	After the Pum	p Series a	and size is a	selected	for your a	pplication,	then compl	ete pump	model nun	nber can b	be ordered.						
The F	PF Series wou	d follow	the model	code: F	PF4-***-160	QSRL. The	e PH Series	would fo	llow the m	odel cod	e: PH1-**-0	2ASRL-M (Size 03, 05	5, 07, 08, 09	9, 11		
C (F-65	0/F-750 Only)	will follo	w the mod	el code:	: W**-02AJ	IO-G*G*F1	4 ("GI" port	ing for W	/06-W11 ar	nd "GT" p	orting for V	V13-W21) fo	or the "Q"	output opt	ion.		
	MODEL I	PF4-***	-16QSR	L (PTC		UT "N")	APPRO)	KIMATE		Ουτρι	JT FLOW	* AND M	AXIMU	M PRES	SURE		
Σ		DF	1_870	, DE	4-818	, DF	4_714	DF	4-606	DF	4-502	DF4_/	194				
¥		2.01 ci	u.in./Rev	1.83	cu.in./Rev	1.71 cu.in./Rev 1.4 cu.in./R			u.in./Rev	1.16 c	u.in./Rev	0.98 cu.in./Rev					
≥ ¥		GPM	MAX. PSI	GPM	MAX. PS	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM M	IAX. PSI				
	900	9.9	2,320	9.0	2,900	8.4	2,900	6.9	3,625	5.7	3,625	4.8	3,625				
	1,000	11.1	2,320	10.0	2,900	9.4	2,900	7.7	3,625	6.4	3,625	5.4	3,625				
ξ.	1,100	13.3	2,320	12.0	2,900	11.2	2,900	9.2	3,625	7.7	3,625	6.5	3,625				
	1,300	14.4	2,320	13.0	2,900	12.2	2,900	10.0	3,625	8.3	3,625	7.0	3,625				
	1,500	16.6	2,320	15.0	2,900	14.1	2,900	11.5	3,625	9.6	3,625	8.1	3,625				
	1,700	21.0	2,320	17.1	2,900	15.9	2,900	13.1	3,625	10.8	3,625	9.2	3,625				
	2,100		_,		_,		_,	14.0	0,020	13.4	3,625	11.3	3,625	EXC	CEEDS		
	2,300									14.7	3,625	12.4	3,625	MA	X RPM		
	2,500																
		PF4	4-368	PF	4-290	PF	4-264	PF	4-212	PF	4-160	PLEAS	E NOTE:				
		0.85 c	u.in./Rev	0.73	cu.in./Rev	0.61	cu.in./Rev	0.49 c	u.in./Rev	0.37c	u.in./Rev	If you are acc		med to orde	ering a		
		GPM	MAX. PSI	GPM	MAX. PS	SI GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	model r	number, yo	u may be or			
ENGINE	900	4.2	3,625	3.6	3,625	3.0	3,625	2.4	3,625	1.8	3,625	Ing a pu	unp larger	rger than you requ			
SPEED	1,000	4.7	3 025		0 005	0 4	0.005	0.7	0.005	0.0	0.005	which y	ou apply th	at pump to	der- quire this		
	1,100	5.1	3,625	4.0	3,625 3.625	3.4	3,625 3.625	2.7	3,625 3,625	2.0 2.2	3,625 3,625	applica	ou apply th tion.	at pump to	rder- quire this		
	1,100 1,200	5.1 5.6	3,625 3,625	4.0 4.4 4.8	3,625 3,625 3,625	3.4 3.7 4.0	3,625 3,625 3,625	2.7 3.0 3.2	3,625 3,625 3,625	2.0 2.2 2.4	3,625 3,625 3,625	applica To calc Engine	ou apply th tion. ulate the P1 speed × 12	at pump to TO output sp	rder- quire this beed:		

speed of 1,400 RPM would yield the following:

1,400 × 1.27 = 1,778 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp \times RPM/231 1.4 × 1,778/231 = 10.7 GPM

10.7 * Theoretical Flow Shown.

7.0

7.9

8.9

9.8

3,625

3,625

3,625

3,625

3,625

6.0

6.8

7.6

8.4

9.2

3,625

3,625

3,625

3,625

3,625

5.0

5.7

6.4

7.0

7.7

3,625

3,625

3,625

3,625

3,625

1,500

1,700

1,900

2,100

2,300

Speed shown for pump at 0 in.Hg. vacuum.

4.0

4.6

5.1

5.7

6.2

3,625

3,625

3,625

3,625

3,625

3.1

3.5

3.9

4.3

4.7

3,625

3,625

3,625

3,625

3,625

The PH Series and PK Series Pumps will fit 4x2 chassis Only. MODEL PH1-**-02ASRL-M (PTO OUTPUT "Q") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

	PH1-11 2.48 cu.in./Rev		PH1-09 2.17 cu.in./Rev		PH 1.86 c	11-08 cu.in./Rev	PH1-07 1.55 cu.in./Rev		PH1-05 1.24 cu.in./Rev		PH1-03 0.62 cu.in./Rev		
		GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
ENGINE SPEED	900	12.3	2,500	10.7	2,900	9.2	3,250	7.7	3,500	6.1	3,500	3.1	3,500
	1000	13.6	2,500	11.9	2,900	10.2	3,250	8.5	3,500	6.8	3,500	3.4	3,500
	1100	15.0	2,500	13.1	2,900	11.2	3,250	9.4	3,500	7.5	3,500	3.7	3,500
	1200	16.4	2,500	14.3	2,900	12.3	3,250	10.2	3,500	8.2	3,500	4.1	3,500
	1300	17.7	2,500	15.5	2,900	13.3	3,250	11.1	3,500	8.9	3,500	4.4	3,500
	1500	20.5	2,500	17.9	2,900	15.3	3,250	12.8	3,500	10.2	3,500	5.1	3,500
	1700	23.2	2,500	20.3	2,900	17.4	3,250	14.5	3,500	11.6	3,500	5.8	3,500
	1900	25.9	2,500	22.7	2,900	19.4	3,200	16.2	3,500	13.0	3,500	6.5	3,500

MODEL PK1-**-02A*RL-M (PTO OUTPUT "Q") APPROXIMATE PUMP OUTPUT FLOW AND MAXIMUM PRESSURE

		Pk 3.94 c	(1-17 cu.in./Rev	Pk 2.96 c	(1-13 :u.in./Rev	PK1-06 1.47 cu.in./Rev			
		GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI		
NE	900	19.5	2,500	14.6	3,000	7.3	3,000		
D	1,000	21.7	2,500	16.3	3,000	8.1	3,000		
	1,100	23.8	2,500	17.9	3,000	8.9	3,000		
	1,200	26.0	2,500	19.5	3,000	9.7	3,000		
	1,300	1,300 28.2		21.2	3,000	10.5	3,000		
	1,500	32.5	2,500	24.4	3,000	12.1	3,000		
	1,700	36.8	2,500	27.7	3,000	13.7	3,000		
	1,900	41.2	2,500	30.9	3,000	15.4	3,000		

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 127% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following: 1,400 × 1.27 = 1,778 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231 1.4 × 1,778/231 = 10.7 GPM

* Theoretical Flow Shown.

Speed shown for pump at 0 in.Hg. vacuum.

W Series will only fit on the F-650 or F-750 Series chassis. MODEL W**-02AJ0-G*G*-F14 ("GI" porting for W06-W11 and "GT" porting for W13-W21) For the "Q" PTO OUTPUT - APPROXIMATE PUMP FLOW AND MAXIMUM PRESSURE

	W21 4.87 in. ³ /Rev		V 4.37	V19 in.³/Rev	V 3.96	V17 in.³/Rev	V 3.46	V15 in.³/Rev	ا 2.92	V13 in. ³ /Rev	2.42	V11 in.³/Rev	ا 1.96	NO8 in.³/Rev	V 1.45	V06 in.³/Rev
	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	24.1	2,150	21.6	2,400	19.6	2,650	17.1	3,040	14.4	3,600	12.0	4,300	9.7	4,350	7.2	4,350
1,000	26.8	2,150	24.0	2,400	21.8	2,650	19.0	3,040	16.1	3,600	13.3	4,300	10.8	4,350	8.0	4,350
1,100	29.5	2,150	26.4	2,400	23.9	2,650	20.0	3,040	17.7	3,600	14.6	4,300	11.9	4,350	8.8	4,350
1,200	32.1	2,150	28.8	2,400	26.1	2,650	22.8	3,040	19.3	3,600	16.0	4,300	12.9	4,350	9.6	4,350
1,300	34.8	2,150	31.2	2,400	28.3	2,650	24.7	3,040	20.9	3,600	17.3	4,300	14.0	4,350	10.4	4,350
1,500	40.2	2,150	36.0	2,400	32.7	2,650	28.5	3,040	24.1	3,600	20.0	4,300	16.2	4,350	11.6	4,350
1,700	45.5	2,150	40.8	2,400	37.0	2,650	32.3	3,040	27.3	3,600	22.6	4,300	18.3	4,350	13.6	4,350
1,900	50.9	2,150	45.6	2,400	41.4	2,650	36.1	3,040	30.5	3,600	25.3	4,300	20.5	4,350	15.1	4,350

W SERIES ARE SHOWN WITH LIMITED MAXIMUM PRESSURE DUE TO THE LIMITS OF THE FORD TRANSMISSION.