RIGHT SIDE ONLY FORD TRANSMISSION **4R100 4x2 AUTOMATIC** PTO DRIVE GEAR DATA: (1988-2002 DIESEL) (1988-2004 GAS) LOCATION: PLMF: RPM: PLV: PTO MODEL NUMBER **ENGINE** % 6-BOLT **FOOT** SHAFT **SHIFT ADAPTER SPACER** STUD KIT @ 1.000 RPM of PTO **TYPE NOTES** ROTATION HI LO REV **TYPE** TORQUE RPM. SINGLE GEAR CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 SINGLE SPEED MULTI **NO PTO OPENING - SEE OTHER SIDE** GEAR SERIES CLUTCH SHIFT 1 FWD. 1 REV. ADAPTER TO CHANGE ROTATION REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX **ENGINE** % 8-BOLT PTO **FOOT SHAFT SHIFT ADAPTER SPACER** STUD KIT @ 1.000 RPM of PTO **MODEL NUMBER TYPE NOTES** ROTATION н LO REV **TYPE** SINGLE SPEED MULTI GEAR 1 FWD. **PTO SERIES & HOUSING DESIGNATOR** ASSEMBLY ARRANGEMENT (see page 16 & 17) **BREAK GEAR PITCH** OUTPUT SHAFT (see page 7) DOWN **INTERNAL RATIO** SPECIAL OPTIONS (see page 7) SHIFT OPTIONS (see page 7) C 1 X **IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION** EX: TG 6S -U68 07 -В **FOOTNOTES:**

FORD TRANSMISSION

LEFT SIDE ONLY (RIGHT SIDE TURN PAGE)

(RIGHT SIDE TURN PAGE)



4R100 4x2 AUTOMATIC (1988–2002 DIESEL) (1988–2004 GAS) Footnote (1, 2, 6)

FORD 6-BOLT OPENING

PTO DRIVE GEAR DATA:

115T 14.20P 15.9° PA 18° L.H. **LOCATION:** Front **PLMF:** 1.742 **PLV:** 2230 FPM **RPM:** 1,000



6-BOLT	PTO	FOOT	SHAFT	ENGINE %			ADAPTER	SPACER	STUD KIT	SHIFT	INTERMITTENT RATING @ 1.000 RPM of PTO	
TYPE	MODEL NUMBER	NOTES	ROTATION	HI	LO	REV	ADAFTEN	SPACEN	STOD KIT	TYPE	TORQUE	HP
SINGLE SPEED MULTI GEAR	FA62-F1406-H3BX FA62-F1406-H3TX	3, 5 4, 5	Орр Орр	134 134					Included Included	Power Power	127 127	39 39

FOOTNOTES:

- 1 Minimum Engine Speed for PTO Operation of 6.8L GAS = 1,300 RPM.
- 2 Minimum Engine Speed for PTO Operation of 7.3L DIESEL = 1,200 RPM.
- 3 Remote Mount 11/4" Rd Output Shaft.
- 4 Direct Mount Pump Output. See charts below for hydraulic pump applications. Output shaft option "R" SAE A Mount is available option for FA62 PTO.
- 5 PTO output torque rating is based on the maximum available torque from the transmission. The PTO HP shown is based on the Min. 1,200 Engine RPM and PTO output shaft at 1,608 RPM.
- 6 Wiring harness #34T38267 required when used with Ford APCM, sold separately.

EXAMPLE:

- 1 Begin by determining the flow and pressure requirement of your application.
- 2 Next find the desired engine speed at the left of the chart and follow across to closest pump output flow to meet your application. Follow the grid up to the top to read basic pump series and size. This is the pump that will give you the flow you desire. You may need to alter engine operating speed to match your desired flow.
- 3 If your system required 8 GPM to operate, then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-606 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,200 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,800 RPM.
- 4 After you have selected the Pump Series and size, then the complete pump model number can be ordered. The PF1 Series would follow the form of: **PF4-**-16ASRL**. PF4 will be substituted for PF4 as inventory is changed. The PK Series would follow the form of: **PK**-16ASBB**.

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE (Gas or Diesel Engine) PK13- PK11- PK8- PF4-870- PF4-818- PF4-714 PF4-606- PF4-502-

		2.96 cu.in./Rev		2.46 cu.in./Rev		1.97 cu.in./Rev		2.01 cu.in./Rev		1.89 cu.in./Rev		1.71 cu.in./Rev		1.40 cu.in./Rev		1.16 cu.in./Rev	
		GPM	RATED PSI 3.000	GPM	RATED PSI 3.000	GPM	RATED PSI 3.000	GPM	RATED PSI 2,320	GPM	RATED PSI 2,900	GPM	RATED PSI 2,900	GPM	RATED PSI 3.625	GPM	RATED PSI 3.625
			3,000		3,000		3,000		2,320		2,900	\vdash	2,900		3,023		3,023
ENGINE	1,200	21	3,000	17	3,000	14	3,000	14	2,320	13	2,900	12	2,900	10	3,625	8	3,625
SPEED	1,300	22	3,000	19	3,000	15	3,000	15	2,320	14	2,900	13	2,900	11	3,625	9	3,625
	1,500	26	3,000	21	3,000	17	3,000	17	2,320	16	2,900	15	2,900	12	3,625	10	3,625
	1,700	29	3,000	24	3,000	19	3,000	20	2,320	19	2,900	17	2,900	14	3,625	11	3,625
	1,900	33	3,000	27	3,000	22	3,000							15	3,625	13	3,625
	2,100			30	3,000	24	3,000									14	3,625
	2,300			32	3,000	26	3,000										
	2,500																

PF4-264- PF4-212 PF4-160-

PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

		0.98 cu.in./Rev		<u>0.85</u> cu.in./Rev		0.67 cu.in./Rev		0.61 cu.in./Rev		0.49 cu.in./Rev		0.37 cu.in./Rev			
	GPM RATED PSI		GPM	RATED PSI	GPM	RATED PSI	GPM RATED PSI		GPM RATED PSI		GPM	RATED PSI			
			3,625		3,625		3,625		3,625		3,625		3,625		
ENGINE	1,200	7	3,625	6	3,625	4.5	3,625	4	3,625	3	3,625	2.5	3,625		
SPEED	1,300	7.5	3,625	6.5	3,625	5	3,625	4.5	3,625	3.5	3,625	3	3,625		
	1,500	8.5	3,625	7	3,625	6	3,625	5	3,625	4	3,625	3	3,625		
	1,700	9.5	3,625	7	3,625	6.5	3,625	6	3,625	5	3,625	3.5	3,625		
	1,900	11	3,625	9	3,625	7	3,625	7	3,625	5	3,625	4	3,625		
	2,100	12	3,625	10	3,625	8	3,625	7	3,625	6	3,625	4.5	3,625		

P4-290-

* Theoretical Flow shown

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

PF4-424- PF-368-

EXCEEDS MAX RPM

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 applying that pump to this application.

To Calculate the PTO output speed:

Engine Speed × 134% = PTO output speed Ex: Engine speed of 1,400 RPM

would yield: 1,400 × 1.34 = 1,876 RPM PTO

A **6 GPM** pump (like the PF4-606) would deliver an output flow of: Disp × RPM/231

 $1.4 \times 1,876/231 = 11.4 \text{ GPM}$