

# Hydropower Services B.V.

# Series P20



- 6 TO 33 gpm @ 2000 rpm
   Pressures to 2000 psi
   Speeds to 2000 rpm
   Choice of mountings

Flow	(GPM)	@ Pun	np RPM
------	-------	-------	--------

Speed	Walles	Gear Width (inches)							
rpm	1	1-1/4	1-1/2	1-3/4	2				
900	6.5	8	10	12	13.5				
1200	9	11.5	14	16	18.5				
1500	11.5	14.5	17.5	20.5	23.5				
1800	14	18	21.5	25	29				
2100	16.5	21	25	29.5	34				
2400	19	24	29	34	39				

# Series 25X



- 8.5 TO 53 gpm @ 2000 rpm
  Pressures to 2000 psi
  Speeds to 2000 rpm

- Choice of mountings

Flow	(GPM)	@ P	amu	RPM

Speed		Gear Width (inches)						
rpm	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	
900	8.5	10.5	13	15	17.5	20	22	
1200	12	15	18	21	24	27	30	
1500	15	19	23	27	31	35	39	
1800	18	23	27.5	32.5	37.5	42	47	
2100	21.5	27	32.5	38.5	44	49.5	55	
2400	25	31	37	44	51	57	63.5	

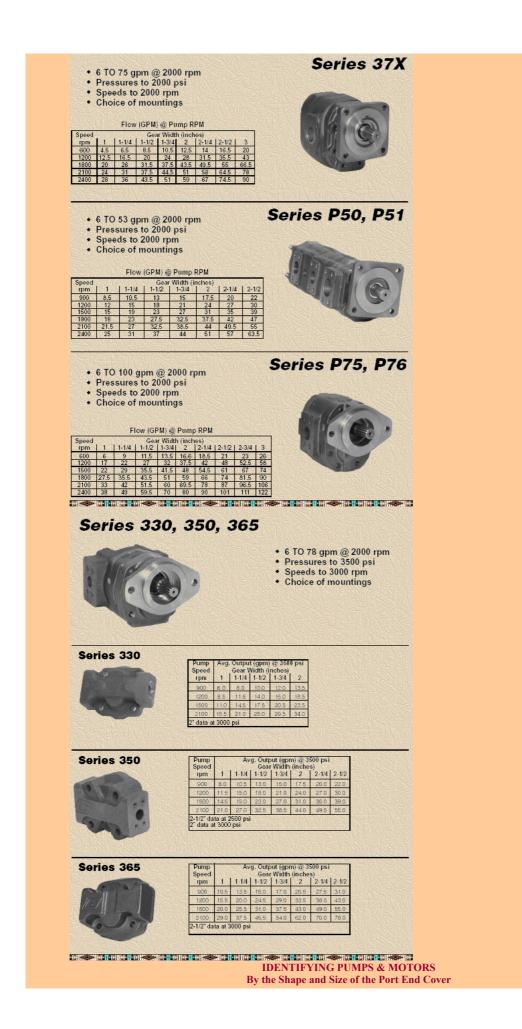
# Series P30, P31



- 6 TO 33 gpm @ 2000 rpm
   Pressures to 2000 psi
   Speeds to 2000 rpm
   Choice of mountings

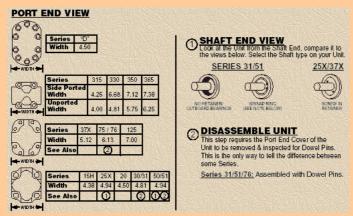
# Flow (GPM) @ Pump RPM

Speed	SE	Gea	r Width (i	inches)	2 100
rpm	1	1-1/4	1-1/2	1-3/4	2
900	6.5	8	10	12	13.5
1200	9	11.5	14	16	18.5
1500	11.5	14.5	17.5	20.5	23.5
1800	14	18	21.5	25	29
2100	16.5	21	25	29.5	34
2400	19	24	29	34	39



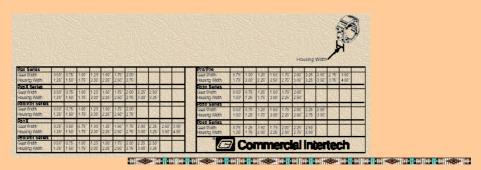
- 1. Look at the Unit from the Port End, see which example it matches the closest. Include the Shape, Size, and most importantly the Bolt Pattern.
- 2. Measure the overall width of the Unit, then match the width to the chart beside the Port End you chose in step #1.

  3. If there is not a "See Also" block on the chart you used, then you've identified the Unit. Otherwise move to step #4.
- 4. A Numbered Note marker will direct you to the next step or steps.



**Identifying Commercial Gear Width Compared to Pump or Motor Housing Width** 

- Measure the gear housing width (See Illustration).
   Then match the housing width to the series of pump/motor you are using.
   Check the chart for the nearest measurement (rounding up) to give you the proper gear width.





# **General Information**

### Performance Data

Performance data shown are the average results based on a series of laboratory tests of production units and are not hacessarily recreasifable of any one unit. Tests were turn with the oil reservoir temperature at (30°F Pequests for more specific data should be directed to our sales representatives.

Performance data for pumps and motors having other gear widths can be approximated by multi-plying values in tables below by actual gear width. Pump | Ava Output (apm) @ 2000 psi

Speed			Vidth (i	nches)	
rpm	1	1-1/4	1-1/2	1-3/4	2
900	6.5	8.0	10.0	12.0	13.5
1200	9.0	11.5	14.0	16.0	18.5
1500	11.5	14.5	17.8	20.5	23.5
2100	16.5	21.0	25.0	29.0	34.0
Motor Speed	Avg. I	nput/Ou jear [1	tput (gp -1/2" ge	m) @ 20 ar  2"	00 psi gear

# rpm gpm hp gpm hp gpm hp

# How To Specify and Code

# Single Units

Full assembly codes for single units combine shaft end cover, port end cover, gear housing and crive shaft codes. They are preceded by the letter Port M for pump or motor and by 20 to designate the selles and model. An example of an assembly code

# M20 SINGLE MOTOR

# Assembly Code: M 20A 942 BE YF15-30

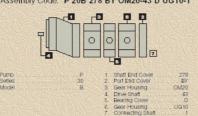
	Motor M		L <sub>3</sub>	
	Settles			188
	Model	모		100
Œ.	Shaft End Cover		11011	183
	Port End CoverBE	4	2 200	100
3.	Gear HousingYF15			100
1,	Drive Shaft			

# **Multiple Units**

Soding is the same as single units except that codes for added components must be soluced. Each gear unit added also requires code for a cleaning carrier, the additional issurfaceuring and connecting shalf. An example of an assembly code for a two-excitor arises 20 purps colores.

# P20 MULTIPLE PUMP

Assembly Code: P 20B 278 BY OM20-43 D UG10-1



### Variations

When specifying multiple units you must consider the drive shafts strength. This is called a PL factor in which P = operating pressure and L = sum of gear wichts. The recommender PL factors for various Series 20 shafts are shown with the shaft codes and are offered as a guide to shaft selection. A PL of 8000 means a maximum of 4" of gear can be operated at 2000 psi (2000 psi X 4" = 9000) without overloading the shaft. The gear widths can be officially you need for selection.





# Reliability

# Performance Data

assed on a series of laboratory tests of produc-ion units and are not necessarily representative of any one unit. Tests were run-with the oil teser-oil temperature at 120°F, Requests for more spe-illic data should be directed to our sales repre-entatives.

Petromance data for pumps and motors having other gear widths can be approximated by multi-plying values in the tables below by the actual gear width.

Pump Speed	Avg. Output (gpm) @ 2000 psi Gear Width (inches)							
rpm	1	1-1/2	2	2-1/2				
900	8.5	13.0	17.5	22.0				
1500	15.0	23.0	31.0	39.0				
1800	18.0	27.5	37.5	47.0				
2100	215	32.5	44.0	55.0				

	Motor Avg. II Speed 1" g			@ 200 2-1/2		
					gpm	
800	10.5	8.5	21.0	18.0	26.0	23.5
1200	15.5	13.0	30.5	27.5	37.5	35.0
1600	20.0	17.0	40.0	35.5	49.5	44.5
2000	25.0	21.0	49.0	44.5	61.5	54.5

# How To Specify and Code

this datalog contains codes for our most popular models. Complete codes for all configurations are reactly available upon request.

# M25X SINGLE MOTOR

Assembly Code: M 25X 942 BE 1T20 -25

	Motor M Sattes 25	-	10	_6	_
1.	Model X Shaft End Cover 942 Port End Cover BE	뭬		0	
3.	Gear Housing 1720 Drive Shaf 25	4	$\overline{}$		1-53

# **Multiple Units**

ording is the same as single units except that obdes for added components must be cluded. Each gear unit added also requires code for a bearing carrier, the addition as housing and connecting shalt. An example of an assembly code, for a two-sectio

# P25X MULTIPLE PUMP

Assembly Code: P 25X 397 BY RT15 -25 B RT15 -1



# Variations



# Performance Data

Pump	Avg.	Avg. Output (gpm) @ 2000 psi Gear Width (inches)							
rpm	1	1-1/4	1-1/2	1-3/4	2				
900	6.5	8.0	10.0	12.0	13.5				
1200	9.0	11.5	14.0	16.0	18.5				
1500	11.5	14.5	17.5	20.5	23.5				
2100	16.5	21.0	25.0	29.0	34.0				

Motor Speed	Avg. Input/Output (gp 1" gear   1-1/2" ge						2" 9	00 psi gear
rpm	gpm	hp	gpm	hp	gpm	hp		
800	9.0	7.0	13.0	11.0	17.0	14.5		
1200	13.0	10.5	18.0	16.5	23.5	22.0		
1600	16.4	1000000	HOLD PAGE	PERMIT	30.5	ICAL PROPERTY		
2000	19.5	17.5	28.0	27.0	37.0	36.0		

# How To Specify and Code

### Single Units

Full assembly codes for single units combine shaft end cover port end cover gear hous ingland drive shaft codes. They are preceded by the latter P or M for pump or mixtor — and by 30 to designate the series and model. An example of an assembly code follows:

# M30 SINGLE MOTOR

Assembly Code: M 30A 942 BE YF15-30

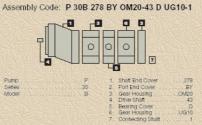
Motor
Settles
Model
Shaft End Cover
Port End Cover
Gear Housing
Orive Shaft



# **Multiple Units**

Coding is the same as single utilis except that codes for added compo-included. Each gear utilf added also requires code for a bearing cartier, year housing and conhecting shaft. An example of all assembly code for Seties 30 curro follows:

# P30 MULTIPLE PUMP



### Variations



# Reliability

These units are dissigned for continuous operation in heavy-duty implement ofrcuts they're equally at mome on till trucks, auto weck-ers and small clump body applications. Call our Component sales team for quick application sassitance and pump specifications.

# Performance Data

Performance Data Performance data shown are the average results based on a series of laboratory tests of produc-tion units and are no excessing verseperative of any one unit. Tests were full with the oil reser-voir temperature at 12°F. Persugats for more sec-cific data should be directed to our sales repre-sentatives. Performance data for pumps, and motors having other given withis can be approximately in-multiplying values in tables below by actual gear width.

Pump Avg. Output (gpm) @ 2000 psi Speed Gear Width (inches)

rpm	1	1-1/	4 1-1	/2 1	-3/4	2
900	6.5	8.0	10	0	12.0	13.5
1200	9.0	11.5	14	.0	16.0	18.5
1500	11.5	14.5	17	5 3	20.5	23.5
2100	16.5	21.0	25	0 3	29.0	34.0
Motor Speed rpm		nput/C jear hp	ulput 1-1/2 gpm			00 psi gear hp
800	9.0	8.5	13.0	13.0	17.0	17.5
1200	13.0	13.0	18.0	20.0	23.5	27.0
1600	16.0	17.5	23.0	25.0	30.5	35.0
2000	19.5	21.0	28.0	32.0	37.0	43.5

# How To Specify and Code

This catalog contains codes for our most popular models. Complete codes for all con tigutations are readily available upon request.

# Single Units

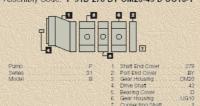
# M31 SINGLE MOTOR

# Assembly Code: M 31A 942 BE YF15-30

Coding is the same as single units except that oddes for added components must be included. Each gear unit added also requires code for a bearing carrier the additional gear housing and connecting shalf. An example of an assembly code for a two-section.

# P31 MULTIPLE PUMP

Assembly Code: P 31B 278 BY OM20-43 D UG10-1



# Variations

When specifying multiple units you must consider the critice shalfs strength. This is called a PL factor in which P – operating pressure and L – such of specificially represented and are offered as a guide to shalfs are shown with the shalf codes and are offered as a guide to shalf seed shown on the properties of the





### Reliability

### Performance Data

Pump Speed	Avg. Output (gpm) @ 2000 psi Gear Width (inches)						
rpm	1	1-1/2	2	2-1/2			
600	4.5	8.5	12.5	16.5			
1200	12.5	20.0	28.0	35.5			
1800	20.0	31.5	43.5	55.0			
2100	24.0	37.5	51.0	64.5			

Motor Speed	Avg. I	nput/c jear	utput 2" g	(gpm) jear	@ 2000 psi 2-1/2" gear		
rpm	gpm	hp	gpm	hp	gpm	hp	
600	10,5	7.0	20.0	15.5	24.5	20.0	
1900	16.0	12.0	31.0	25.0	38.0	34.5	
1400	21.8	16.5	41.0	35.0	51.0	47.5	
1800	26.5	20.0	52.0	45.0	64.0	60.0	

# How To Specify and Code

This catalog contains codes for our most popular models. Complete codes for all configurations are readily available upon request.

# Single Units

Full assembly codes for single units combine shaft end cover, port end cover geat hous ingrand drive shaft codes. They are preceded by the letter P or M for pump or motor and by 37X to designate the settes and model. An example of an assembly code follows.

# M37X SINGLE MOTOR

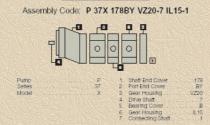
Assembly Code: M 37X 942 BE 1T20 -25



# **Multiple Units**

oding is the same as single units except that codes for added components must be cluded. Each gear unit added also requires code for a bearing carrier, the additional air housing and conflecting shart. An example of an assembly code for a two-section fles 37X pump follows:

# P37X MULTIPLE PUMP



### Variations

37X units are available with gear sections ranging from 1" to 2-1/2" in 1/4" increments. Two or more gear sections can be assembled on one other shall to provide larger flows supply other circuits or make smoother more powerful inclors.

When specifying moticle units you must consider the circle shaft's strength. This is called a PL factor in which P = coerating pressure and L = sum of geat widths. The recommended PL tactors for various 37X shafts are shown with the shaft codes an othered as a guide to shaft shadow. A PL of shown in various and provide the shaft shadow. A PL of shown is not shared to the shadow and the shaft codes are provided in the shadow. A PL of shadow and the shadow and the shadow are shadow as a shadow as the shadow are shadow as the shadow as the shadow as the shadow are shadow as the shadow as the shadow as the shadow are shadow as the sha



# Reliability

Reliability
Senes 50 pumps and motors are cost from hi-ten-sile gray for and offer a wide variety of citive shafts designed for high reque incubitously. Unique pressure balanced thrust plates con-trollate to pressure balanced thrust plates con-trollate to pressure and personal continuous oceation in heavy-duty implement citicusts. There equally at home on lift trucks, auto week-ers and small church body applications. God of components after them, and and application assistance and pumps specifications.

# Performance Data

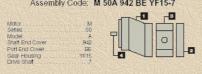
Pump Speed	Avg. Output (gpm) @ 2000 psi Gear Width (inches)				
rpm	1	1-1/2	2	2-1/2	
900	8.5	13.0	17.5	22.0	
1200	12.0	18.0	24.0	30.0	
1800	18.0	27.5	37.5	47.0	
2100	21.5	32.5	44.0	55.0	

	Motor	Avg. Input/Output (gpin) 1" gear   2" gear				@ 2000 psi 2-1/2" gear		
	rpm	gpm				gpm		
ı	800	10.5	8.5	21.0	18.0	25.0	23.5	
	1200	15.5	13.0	30.5	27,5	37.5	35.0	
ı	1600	20.0	17.0	40.0	35.5	49.5	44.5	
	2000	25.0	21.0	49.0	44.5	61.5	54.5	

# How To Specify and Code

Full assembly codes for single units combine shaft end cover portlend cover, gear hous-ing and drive shaft codes. They are preceded by the letter P or M for pump or motor and by 50 to designate the series and model. An example of an assembly code follows.

# M50 SINGLE MOTOR

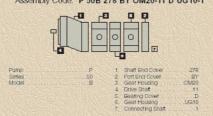


# **Multiple Units**

Coding is the same as single units except that codes for added components must be included. Each goar unit added also requires code for a bearing carrier the additional gast housing and connecting shaft. An example of all assembly code for a two-section series of cump follows:

# P50 MULTIPLE PUMP

Assembly Code: P 50B 278 BY OM20-11 D UG10-1



When specifying multible units you must consider the critice shaff's strength. This is called a PE factor in which P = operating pressure and L = sum of geen widths. The recommended PL backrs for various Settles 00 shaffs are shown with the shaff codes and are offered as a guide to shaff selection. A PL of 4000 means a maximum of 4" of geer can be operated at 2000 ps (2000 ps 4" 4" = 5000) without overloading the shaff.



### Reliability

### Performance Data

vencrimince data shown are the average results based on a series of laboratory tests of produc-tion units and are not processarily representative of any one unit. Tests were run with the off reser-voirt temperature of 120°F. Requests for more spe-criffic data should be directed to our sales repre-sentatives.

Pump Speed	Avg. Output (gpm) @ 2000 psi Gear Width (inches)					
rpm	1	1-1/2	2	2-1/2		
900	8.5	13.0	17.5	22.0		
1200	12.0	18.0	24.0	30.0		
1800	18.0	27.5	37.5	47.0		
2100	21.5	32.5	44.0	55.0		

2100	21.5		52.5	44.	1	55.U
Motor Speed	Avg. Input/O 1" gear				@ 2000 psi 2-1/2" gear	
rpm	gpm	hp	gpm	hp	gpm	hp
800	10.5	10.5	21.0	23.0	25.0	29.5
1200	15.5	16.0	30.5	35.0	35.0	44.5
1600	20.0	21.0	40.0	46.0	49.5	58.5
2000	25.0	25.5	49.0	56.0	61.5	71.5

# How To Specify and Code

This catalog contains codes for our most popular models. Complete codes for all configurations are readily available upon request.

### Single Units

Office of the state of the stat

# M51 SINGLE MOTOR

	Assembly Code: M	1 51A 942 BE Y	-15-7
1. 2. 3. 4.	Motor Mi   Series   51   Model   A   Shart End Cover   942   Port End Cover   SE   Seer Husting   VF15   Trive Shart   7		

oding is the same as single units except that oodes for added components must be clusted. Each giver unit added also requires code for a bearing carrier, the additional sax industing and conhecting shaft. An example of an assembly code for a two-section elies at curren follows.

# P51 MULTIPLE PUMP Assembly Code: P 51B 278 BY OM20-11 D UG10-1



# Variations

Series 61 units are available with gear sections ranging from 1/2" to 2-1/2" in 1/4" increments which provide displacements from 1.27 to 6.37 ou. in. per revolution. Two or more gear sections can be assembled on one drive shaft to provide larger flows, supply other circuits or make smoother more ownerful motors.



Reliability
Sense 75 pumps and motors are cast from hisersile gray from and offer a wide variety of drive
shats designed for high, freque incubitously
Unique pressure belanced thrust plates controuble to practing efficiencies of over 90%.
These units are designed for continuous
operation, in heavy-duty implement ofcusion,
they are equally of nome on this trades, and weekers and small came body appreciation.
Quide application assistance and pump specifications.

# Performance Data

Performance data shown are the average results based on a series of laboratory tests of production units and are not necessarily representative of any one unit. Tests were run with the oil reservoir terminarium of 120°F. Perguests for more spe-cific data should be directed to our sales repre-sentatives.

Performance data for pumps and motors having other gear widths can be approximated by multi-plying values in tables below by actual gea

Pump Speed	Avg. Output (gpm) @ 2000 psi Gear Width (inches)					
rpm	1	1-1/2	2	2-1/2		
600	6.0	11.5	16.5	21.0		
1200	17.0	27.0	37.5	48.0		
1800	22.0	35.5	48.0	61.0		
2100	33.0	515	80.5	87 n		

Motor Speed		Input/C gear	utput 2" g	(gpm) gear	@ 2000 psi 2-1/2" gear	
rpm	gpm	hp	gpm	hp	gpm	hp
800	20.5	13.5	35.5	28.0	43.0	36.5
1200	27.5	19.5	49.5	42.0	60.5	54.0
1600	34.0	25.5	64.0	55.0	78,5	71.0
2000	41.5	30.0	78.0	67.5	95.5	87.0

# How To Specify and Code

ivis catalog contains codes for our most popular models. Completé codes foi all config-utations are readily available upon request.

# Single Units

# M75 SINGLE MOTOR

Assembly Code: M 75A 942 BE YF15-7

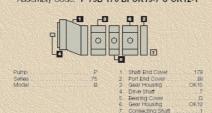
	Motor M Settes 75		-5
1.	Model A Shaft End Cover 942 Port End Cover BE	7	
3.	Gear Housing YF15 Drive Shaf	19 1	

# **Multiple Units**

oding is the same as single units except that oodes for added components must be accounted. Each gear unit added also requires dode for a bearing carrier the additional are requiring and conhecting shaft. An example of an assembly code for a two-section letter 75 pump follows:

# P75 MULTIPLE PUMP

Assembly Code: P 75B 178 BI OK15-7 C OK12-1



Series 75 units are available with gear sections ranging from 1/2" to 2-1/2" in 1/4" increments. Two or more gear sections can be assembled on one drive shaft to provide larger flows, supply other circuits or make smoother, more powerful motors.

When specifying multiple units you must consider the crive shalls strength. This is called a PL factor in which P = coerdiffing pressure and L = sum of geat widths. The recommended PL factors for various Settles 76 shalls are shown with the shall codes and are offered as a suitable to shall settled the PL of 8000 means a maximum of 47 of gain cannot be created at 2000 per global past 47.4 = 6000 without overbacking the shall.





### Reliability

KellaDHITY
Settes 17 and 75 pumps and motors are quite
similar except that Series 76 units have steel
similar except that Series 76 units have steel
signifiers down line which allow them to be
raded to 500 pal higher pressure operation Both
are cast from hereille draw inner and other a wide
variety of drive shafts designed for high todage
includiouth. Unique pressure belanced thrist
plates contribute to coerating efficiencies of over
ego.

These units are designed to continuous operation in heavy-duty implement oficults. They're equally at home on its trucks auto weekers and small clump body applications. Call our corrorents ages from for quick application assistance and purpo specifications.

Performance data shown are the average results based on a series of aboratory tests of troduction units and are not necessarily recreentative of any one unit. Tests were now this the of test-von-temperature at 120°F. Peripeda for more specific data should be directed to our sales representatives.

Performance data for pumps and inctors having other gear widths can be approximated by multi-plying values in tables below by actual gear width.

Pump Speed	Avg. Output (gpm) @ 2000 psi Gear Width (inches)									
rpm	1	1-17	2 2	12	2-1/2	3				
600	6.0	11.5	16	5	21.0	26.0				
1200	17.0	27.0	37	5	0.84	58.0				
1500	22.0	35.5	48	0 1	51.0	74.0				
2100	33.0	51.5	69	5	87.0	105.0				
Motor	Avg. I	input/C	output	(gpm	@ 20	00 psi				
CONTRACTOR NO.	Avg. I	12.500	output	Statute.	@ 20	5,90,760,E30				
Motor	Avg. I	input/C	output	(gpm	@ 20	00 psi				
Motor Speed	Avg. I	nput/C jear	output	(gpm jear	@ 20	00 psi " gear hp				
Motor Speed rpm	Avg. I 1" g gpm	nput/C jear hp	ulput 2" ( gpm	(gpm jear hp	@ 20 2-1/2 gpm	00 psi 2" gear hp 46.5				
Motor Speed rpm 800	Avg. I 1" g gpm 20.5	input/G jear hp 18.0	gpm 35.5	(gpm jear hp 35.5	@ 20 2-1/2 gpm 43.0	00 psi 2" gear hp 46.5				

# How To Specify and Code

# Single Units

# M75 SINGLE MOTOR

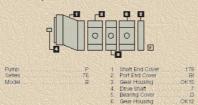
Assembly Code: M 76A 942 BE VE15-7

Assembly Gode. III	70A 342 BE 11 13-1	
Motor   M   Series   76   Model   A   Shaft End Cover   942   Port End Cover   BE   Gear Housing   F1   F1   F1   F1   F1   F1   F1   F		The state of the s

# **Multiple Units**

# P76 MULTIPLE PUMP

Assembly Code: P 76B 178 BI OK15-7 C OK12-1



# Variations

Series 76 units are available with gear sections ranging from 1/2" to 2-1/2" in 1/4" increments. Two or more gear sections can be assembled or one crive shaft to provide larger flows, supply other circuits or make smoother, more powerful motors.

When specifying multiple units you must consider the drive shalfs strength. This is called a PL factor in which P = coerating pressure and L = sum of gear widths. The fecommended PL factors for various Series 76 shalfs are shown with the shalf codes and are offered as a guide to shalf selection. A PL of 8000 means a maximum of 4" of gear can be operated at 2000 psi (2000 psi X 4" = 8000) without overloading the shalf



# 330 350 365

General Information

Model 290, 350 and 365 pumps and motors are electron sour gear theed disclosement unts destigned not controllus operation at tressures up to 3500 ps. They combine a plantical right, pressure capability with the economy; and durability of gear equipment.

High Efficiency
Advances in thrust obste designs and see inderest controllus operation at the second of the controllus operation at the second of the second of the second of the gears for outstanding efficiency.

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Advances in thrust plates are presented in the gears for outstanding efficiency.

Mountings

Mounting

Drives

Or clean cool of all moving parts
at all times. These features greatly
acted service and action of a control of the co

assembles. Por those applications whele it is necessary to provide a braining effect to emachined from acre-bisectorging for provide maximum strength. Gear teeth and/ournals are carbrured and ground to a creatision finish.

# Performance Data

Performance data strown are the average results based on a series of laboratory tests of production units and are not nec-essarily representative of any one unit. Tests were run with the oil reservoir temperature at 120°F. Requests for more specific

Performance data for pumps and motors having other geal widths can be approximated by multiplying values in tables below by actual gear width.

330	Pump Speed	seed Gear Width (inches)							
3 G 17 Jan	rpm	1	1-1/4	1-1/2	1-3/4	2			
	900	6.0	8.0	10.0	12.0	13.5			
	1200	8.5	11.5	14.0	16.0	18.5			
	1500	11.0	14.5	17.5	20.5	23.5			
	2100	16.5	21.0	25.0	29.5	34.0			

# 2" data at 3000 psi

Speed					2" gear				
rpm	gpm	in-lbs	gpm	in-lbs	gpm	in-lbs			
900	9.5	995	13.5	1495	17.5	1720			
1200	12.5	995	17.5	1500	22.5	1725			
1500	15.0	985	21.5	1495	28.0	1720			
2100	20.0	925	29.5	1440	38.5	1670			
2" data at 3000 psi									

	350	Motor		Av	g. Inp	ut/Outp	ut (g	om) @ 1	3500 p	51
E	300	Speed	1"	gear	1-1/2	" gear	2"	gear	2-1/2	gear .
2-1/2		rpm	gpm	in-lbs	gpm	in-lbs	gpm	in-lbs	gpm	in-lbs

			100			838778		2			
Pump Speed	Avg. Output (gpm) @ 3500 psi Gear Width (inches)										
rpm	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2				
900	8.0	10.5	13.0	15.0	17.5	20.0	22.0				
1200	11.5	15.0	18.0	21.0	24.0	27.0	30.0	H			
1500	14.5	19.0	23.0	27.0	31.0	35.0	39.0				
2100	21.0	27.0	32.5	38.5	44.0.	49.5	55.0				

# 2-1/2" data at 2500 psi 2" data at 3000 psi

oump speed	Avg. Output (gpm) @ 3500 psi Gear Width (inches)								
rpm	1	1-1/4	1-1/2	1-3/4	2		2-1/2		
900	10.5	13.5	15.0	17.0	20.5	27.5	31.0		
1200	15.5	20.0	24.5	29.0	33.5	38.0	43.0		
1500	20.0	25.5	31.0	37.5	43.0	49.0	55.0		
2100	29.0	37.5	45.5	54.0	62.0	70.0	78.0		

365	Motor Speed	1"	Avg. Input/Output (gpm) @ 3500 psi 1" gear   [1-1/2" gear   2" gear   [2-1/2" ge									
	rpm	gpm	in-lbs	gpm	in-lbs	gpm	in-lbs	gpm	in-lb			
	900	18.4	1865	25.6	2860	32.9	3850	40.1	412			
	1200	23.3	1845	32.9	2830	42.4	3810	52.0	408			
	1500	28.2	1815	40.1	2780	52.0	3750	63.8	402			
	2100	37.9	1755	54.4	2690	71.1	3510	87.5	385			
	2-1/2" da	ta at 1	0000 ne	i	TO WAR	BOOK B	49.755		100			