HYDRAULIC POWER UNITS– Standard, L-Shaped and Vertical

Use this matrix to customize a hydraulic power unit to fit your needs. If you have any questions on filling this matrix out, are not sure what you need exactly, or have a system that is more complex than the matrix , please give me a call at (901)463-0660. or email me at joshwilliamson@frankelectro.com. Most quotes are finished within 24-48 hours.

Fill in the matrix below using the **BOLD KEY** letters or numbers from the charts below.

TANK	MOTOR	PUMP	OPTIONS
		/	

TANK SIZE

3, 5, 7, 10, 15, 20, 30, 40, 45, 50, 60, 80, 100, 120, 150, 200, 300, 400, 500, 600

TANK TYPE

JR: JIC A WITH REMOVABLE TOP
JA: JIC A WELDED
VR: VERTICAL WITH REMOVABLE TOP
LH: L-SHAPED WITH HINGED LID
SP: SPECIAL (CONSULT FACTORY)

MOTOR HP

.33, .5, .75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 75, 100, 125, 150, 175, 200

MOTOR RPM

A: 1200
B: 1800
C: 3600

$$HP = \frac{PSI \times GPM}{1500}$$

MOTOR TYPE

MT: TEFC (STD)
MX: EXP PROOF
MS: SEVERE DUTY
MW: WASHDOWN

VOLTAGE

A61: 115/230/60/1
A51: 120/240/50/1
A63: 230/460/60/3
A53: 240/380/440/50/3
A57: 575/50/3

MOUNTING

V: VERTICAL
H: HORIZONTAL

DUTY TYPE

C: CONTINUOUS
I: INTERMITTENT

PRESSURE SETTING

IN HUNDREDS OF PSI

PUMP TYPE

FG: FIXED GEAR
PP: PRESSURE COMPENSATED PISTON*
PV: PRESSURE COMPENSATED VANE*

*HAS VOLUME CONTROL

PUMP FLOW IN GPM@1800

PRESSURE COMPENSATED

4, 5, 6, 8, 10, 15, 20, 30 32, 42, 50, 58, 70

FIXED

.5, .75, 1, 1.5, 2, 2.5, 3.5, 4.5, 5, 7, 9, 10, 12, 14, 15, 17, 20, 24, 28.5, 34, 42

Note: A 3:1 ratio reservoir size to pump flow is recommended, especially with continuous duty applications.

OPTIONS

A1 : TEMP/LEVEL SWITCH
A2 : DUAL TEMP/LEVELS
H : IMMERSION HEATER
AO : AIR/OIL COOLER
WO: WATER/OIL COOLER
*Specify voltage behind "H"

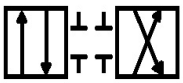
VALVE GROUP 1	VALVE GROUP 2	VALVE GROUP 3

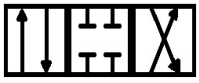
N : NO VALVING
M : MANUAL
E : ELECTRIC

S : SPRING CENTER
D : DETENT

*If more valving is needed, continue using same method

A : 3WAY/3POS SINGLE ACTING POWER UP, GRAVITY DOWN

B :  4WAY/2POS DOUBLE-ACTING BANG-BANG, CLOSED CROSSOVER

C :  4WAY/3POS DOUBLE-ACTING CLOSED CENTER

D : 4WAY/3POS DOUBLE-ACTING FLOAT CENTER

E : 4WAY/3POS DOUBLE-ACTING TANDEM CENTER

F : 4WAY/3POS DOUBLE-ACTING OPEN CENTER

0 :NONE
1 :PORT RELIEF "A"
2 :PORT RELIEF "A & B"
3 :PO CHECK "A"
4 :PO CHECK "A & B"
5 :COUNTERBALANCE "A"
6 :COUNTERBALANCE "A & B"
7 :FLOW CONTROL "A"*
8 :FLOW CONTROL "A & B"*

*METER OUT

12 MOS. LIMITED WARRANTY

*Always included unless Otherwise noted:

- 10-micron filter with indicator
- Suction strainer
- Sight level gage
- Filler breather
- PSI gage
- Reliefs on fixed displacement pumps
- Airbleeds on Pressure Compensated Pumps over 10GPM

PLEASE FILL OUT BELOW

Customer ID # (if known):	
Contact:	
Company:	
Phone #:	
Email or fax:	

*Not all combinations possible using matrix. A reasonable effort has been made to make code as intuitive as possible, however, FA reserves the right to change or modify the combination if the requested one cannot be accomplished. Units are only returnable if manufacture defective.

FAX OR EMAIL THIS WORKSHEET TO: INFO@FAINC.NET OR (901)365-4107