Hydraulic Power Units - *Ordering Instructions*

Step 1 – Determine the size of the Hydraulic Power Unit required. Check the aircraft maintenance manual, or refer to Tronair's Aircraft Tool and Equipment list at tronair.com
Step 2 – Select the correct fluid type that matches your aircraft
Step 3 – Determine if the unit requires a CE mark and/or an Electric Soft Start (call for soft start availability)
Step 4 – Choose a paint color from the available colors
Step 5 – Select quick disconnect couplings to attach the hoses to the aircraft bulkhead fittings. These couplings will become part of the model number sequence, they are attached to hose ends upon receipt (pgs 127 - 131)
Step 6 – Determine the input voltage the Hydraulic Power Unit will be operating at. When ordering, the most common error is selecting incorrect input voltages (To check input voltage, measure from L1 to L2, L1 to L3, and L2 to L3. The highest voltage obtained from these readings is the correct input voltage)
Step 7 – Select additional features to customize your unit. We offer a broad range of options to enhance your Hydraulic Power Unit to your particular needs or budget. Options listed in the chart must be in alphabetical order. Refer to the option matrix (below) for standard features per model number

MANDATORY INFORMATION | OPTIONS (alphabetical order)

5														

HYDRAULIC POWER UNIT

char	build
1	CE Compliant
3	CE Soft Start

char	fluid
1	MIL-PRF-5606
2	MIL-PRF-83282
3	Phosphate Ester (Skydrol)
4	MIL-PRF-87257
5	Phosphate Ester (HyJet V)*

*limited availability

	60 Hz		50 Hz					
char	gpm	lpm	gpm	lpm	psi	bar	hp	kW
0	6	23	5	19	1800	124	3	2.2
1	6	23	5	19	3000	207	5	3.7
2	10	38	8	32	3000	207	15	11
3	11	42	9	35	5000	345	25	19
4	15	57	13	47	3500	241	25	19
J	20	76	17	63	4000	276	30	22
5	25	95	21	79	5000	345	75	56
6	34	129	28	107	4000	276	40	30
7	34	129	28	107	4000	276	75	56
8	63	239	53	199	4000	276	100	75
9	63	239	53	199	5000	345	150	112
A	63	239	53	199	4000	276	150	112
L	63	239	53	199	5000	345	150	112
Z	0.8	2.8	0.8	2.8	1500	103	0.8	0.6
B	Citation pkg A					5	3.7	
D	JPATS					10	7.5	
E	Pilatus					10	7.5	
F	Citation pkg B					3	2.2	
G	Gulfstream (factory)					40	30	
H	Dash 8-100/300 only					15	11	
K	Gulfstream (G100/200)					25	19	
P	Falcon 7X					30	22	
Q	Falcon 7X (factory)					40	30	
R	Agusta (AB139, factory)					30	22	

char	voltage/freq/phase	input cord
0	208V/60Hz/3PH	50 ft (15.2 m) input cord length
1	230V/60Hz/3PH	
2	380V/60Hz/3PH	
3	460V/60Hz/3PH	
4	575V/60Hz/3PH	
5	200V/50Hz/3PH	
6	220V/50Hz/3PH	
7	380V/50Hz/3PH	
8	415V/50Hz/3PH	
9	440V/50Hz/3PH	
Q	208V/60Hz/3PH	100 ft (30.5 m) input cord length
R	230V/60Hz/3PH	
S	380V/60Hz/3PH	
T	460V/60Hz/3PH	
U	575V/60Hz/3PH	
V	200V/50Hz/3PH	
W	220V/50Hz/3PH	
X	380V/50Hz/3PH	
Y	415V/50Hz/3PH	
Z	440V/50Hz/3PH	
E	220V/50Hz/1 Phase**	15 ft (4.6 m)
F	120V/60Hz/1 Phase**	

**available on 5Z only

Quick Disconnect (Hydraulic Couplings)

char	color
0	desert sand
1	Tronair blue (standard)
2	safety yellow
3	red
4	jade green
5	snow white
7	gray
9	olive drab
C	olive drab (low IR) *
S	special (call Tronair) *

* additional cost

char	description
A	25 ft hoses
B	50 ft hoses
AA	25 ft hoses (split system)
AB	25 ft hoses and 50 ft hoses
BB	50 ft hoses (split system)
C	split system
D	split system w/crossover check
3	triple split system*
E	hourmeter (50HZ)
F	hourmeter (60HZ)
G	voltage monitor (200-230V)
H	voltage monitor (380V)
I	voltage monitor (415-460V)
J	voltage monitor (575V)
K	pyrometer
L	electric reservoir level
M	hand pump
M-E	50Hz electric fill pump****
M-F	60Hz electric fill pump****
M-7	large displacement hand pump****
N	towing/trailer package
P	reservoir overflow return
Q	calibration port
R	electric filter clogged indicatior
S	electric over temperature
T	return back pressure w/sight gauge
U	return sight gauge
V	return back pressure
W	return filter** // contamination monitor***
X	height ext. cart** // 50 ft hand pump hose***
Y	return sight gauge (split system)
Z	no return valves (split system)
1	return back pressure (split system)
2	red stack light
3	triple system
4	drip pan
5	remote e-stop (50 ft)
6	return sight gauge (triple split system)*
7	hand pump (large displacement)*
8	pressure reducing valve (split system)*
9	low flow hoses (single system)*

* limited availability
** 50 series only // ***all other models
**** 55, 56 & 57 series only

FULL LOAD AMPS

supply voltage: 60 hz - 3 phase					
HP	208 VAC	230 VAC	380 VAC	460 VAC	575 VAC
3	9.2	8.4	4.8	4.2	3.7
5	15	13.6	7.8	6.8	5.4
10	28.8	26.0	15.7	13.0	10.4
15	44.2	40.0	24.2	20.0	16.0
20	59.3	53.6	31.8	26.8	21.4
25	73.0	66.0	38.0	33.0	26.4
30	86.3	78.0	42.5	39.0	31.2
40	117.2	106.0	57.0	53.0	42.0
75	N/A	N/A	103.8	92.0	73.6
100	N/A	N/A	130.0	121.0	96.8
150	N/A	N/A	192.0	171.0	137.0

supply voltage: 50 hz - 3 phase					
HP	200 VAC	220 VAC	380 VAC	415 VAC	440 VAC
3	8.4	9.3	4.6	4.6	4.6
5	13.0	15.0	7.5	7.5	7.5
10	26.0	26.0	13.0	13.0	13.0
15	48.0	41.0	23.7	23.0	22.0
20	61.6	51.9	30.0	29.1	28.1
25	75.0	72.0	36.0	36.0	35.0
30	89.0	78.0	45.0	43.0	39.0
40	120.5	103.0	62.0	60.0	56.0
75	N/A	N/A	107.0	105.0	92.0
100	N/A	N/A	146.0	134.0	124.0
150	N/A	N/A	208.0	190.0	179.0