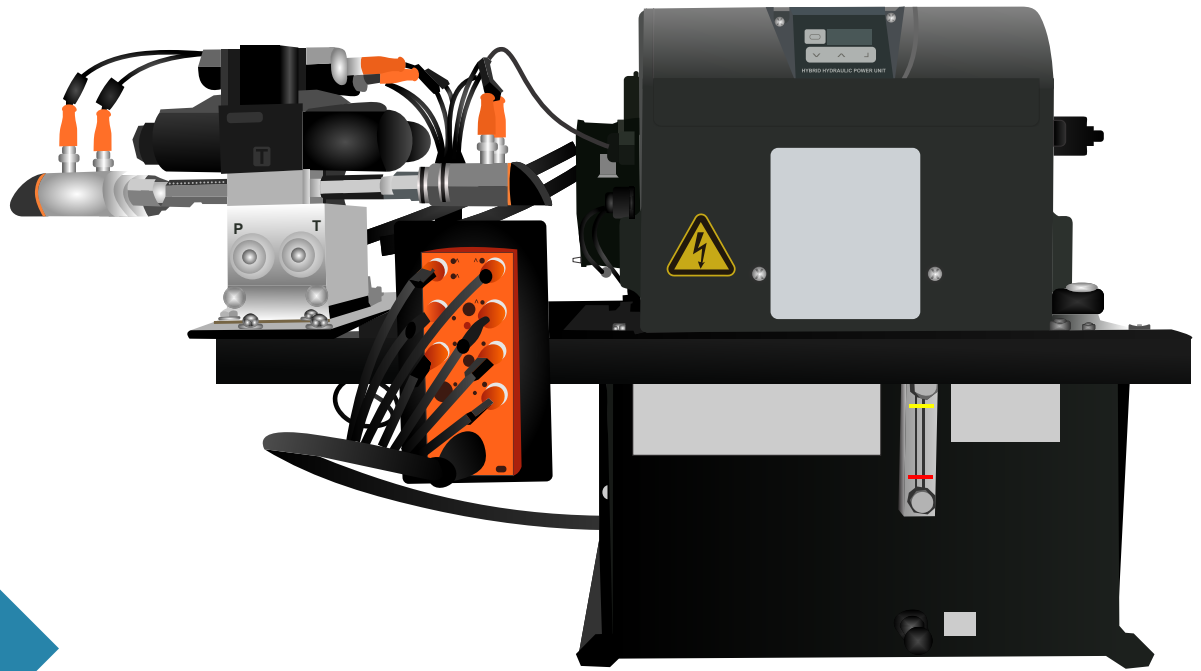


ClampMAX[®]



A resilient clamping solution for
modern machine tool
applications.

INDEX

	Why ClampMAX?	1
	Technology	2
1	ACU-A-1-B-1-B-S-A-1-AWM	4
2	ACU-A-2-D-1-B-1-A-1-AWM	5
3	ACU-A-4-B-1-B-2-A-1-AWM	6
4	ACU-A-5-D-1-B-2-A-1-AWM	7
5	ACU-C-1-B-1-B-X-A-4-AWM	8
6	ACU-C-2-D-1-B-X-A-4-AWM	9
	Customization	10
	Complete Specifications	11

WHY

ClampMAX®

All World's ClampMAX® system is available in many configurations to meet your work-holding requirements. All World has partnered with IFM to bring you smart devices that are IOT ready. These components help to minimize labor costs to build and simplify troubleshooting for your maintenance staff. Our systems can offer you up to six separate valve operations on one unit, and feature individual or both "A" and "B" pressure line monitoring.

Our ClampMAX® units make use of All World's "Booster Technology" which is an in-stack type hydraulic booster. This configuration boosts the line pressure only in the "A" port minimizing leakage potential while increasing safety of operation. These devices come in both holding pressure type for no-leak holding, or auto-venting for zero line energy when the system is shut down. Booster-type systems come with a pressure type in-line 10 micron filter to ensure clean oil in your system. The operating ranges using All World's booster tech are from 225 PSI to 5,000 PSI. With ClampMAX® we also offer models which can offer increased flow rates and up to 3,000 PSI without booster technology.

225 to 5,000 PSI

The most impressive feature of the ClampMAX® system is Daikin's Hybrid Hydraulics Technology, a key component to the unit's efficiency and reliability. These units controls motor speed through use of an inverter control system onboard the unit. This provides a quiet and low temperature operating system which is energy efficient, drawing less than ½ amp while holding pressure. An IPM motor can generate high torque at a low RPM. This allows low pressure draw to draw such low power and even flow pressure.

Sound expensive? You would be surprised to know that you can get all of this technology for the same price as the throw-away systems offered by other companies currently producing hydraulic workholding systems.

Be smart. Buy smart.

Let us help you find a solution. Regardless of application, we can build units to suit your specific needs. We currently assist OEM's, machine integrators, fixture builders, and work directly with end users.



TECHNOLOGY FOR THE FUTURE

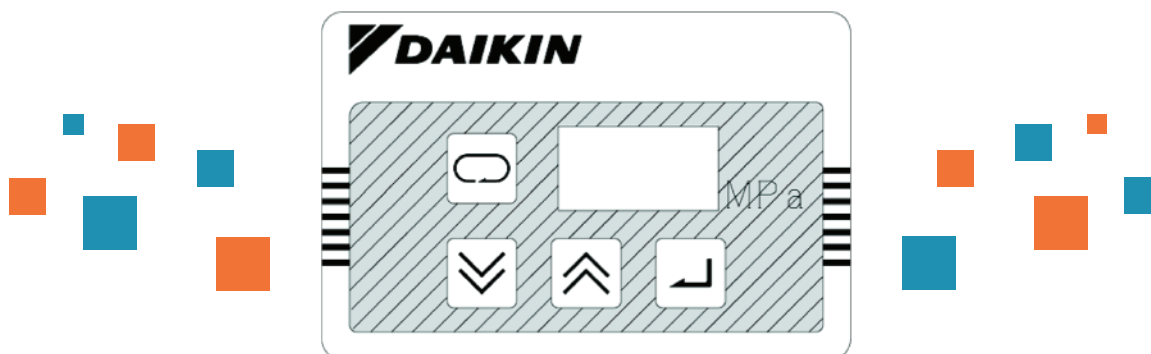
KEYPAD ADJUSTMENTS

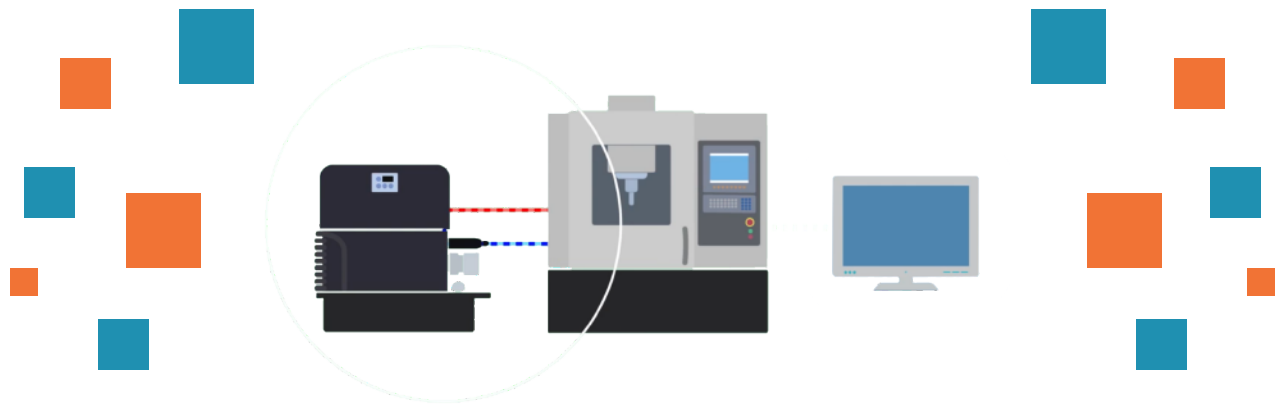
Daikin Hybrid Hydraulic Power Units are the only cost-effective units in the world that can be adjusted through an ergonomic keypad located on the front of the unit. The keypad HMI lets the user manually adjust pressure and flow settings on each machine for unparalleled efficiency. Failures are easy to monitor through the use of the keypad as a diagnostic tool. The keypad also monitors (N) parameters and uses smart technology to alert the user of any potential problems or failures. Better yet, the unit will even shut itself off if a catastrophic failure occurs, drastically reducing maintenance times.

ALARM CODES

Daikin Hybrid Hydraulic Systems can make your redundant inspections and inefficiencies go away! With the Hybrid System, electricity consumption and other various information is internally monitored at all times – there's no need for periodic inspections. For greater mobility, alarm readouts can be transferred straight from the unit straight to a laptop or tablet's USB port. Triggered alarm codes tell you exactly the reason for maintenance and how the problem can be resolved.

These features greatly contribute to the reduction of man-hours for inspection. Correcting the signalled problem through corrective action result in minimal downtime for the user.





HYBRID-WIN PROGRAMMING

Hybrid-Win is utility software to monitor the internal status of Daikin hybrid systems using a PC. The software and its instruction manual can be downloaded from the website "<http://www.daikinpmc.com/>" free of charge by completing the user registration process. This PC utility reads data from Daikin hybrid systems and manages it. Parameter setting and monitoring can be accomplished efficiently using the Windows application. Special cables are required.

The pressure, flow rate, and other internal data of the inverter can be monitored and displayed in the form of graphs. This facilitates operation checks during test runs, adjustment of parameters such as time constants and troubleshooting.

The time required for set-up can be slashed by editing the parameter settings on the PC and writing them to the unit in a batch. The ability to read and save settings facilitates management. To speed up your readings, you can program the software to save the alarm history. This function enables quick identification of the parts that require maintenance and reduction of the downtime. The operating time display can serve as the guide for the timing to replace consumable parts or to conduct maintenance. Troubleshooting information including the diagnosis results of the cause of an alarm and action to take can be displayed.

ENERGY SAVINGS

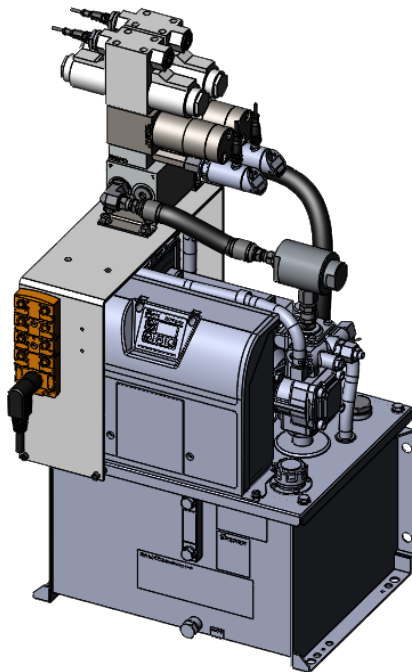
ENERGY Lower energy consumption through advanced inverter technology provides longer unit life, reduced energy cost, and sustainable savings. Average reduction of 60-70%.

HEAT A reduction of heat generation creates longer life for machine components and reduces ambient workspace temperatures, resulting in reduced air conditioning demand and fewer opportunities for overheating. Average reduction from 104°F to 70°F.

OIL Conventional hydraulic units require larger capacity tanks to dissipate heat than Daikin power units, which reduce oil disposal. Average reduction of 33-80%.

NOISE Noise reduction creates a more comfortable and safe work environment, reducing worry and cutting cost on factory alarms. Average reduction from 75 dBA to 50 dBA.

STOCK Compatibility and adaptability creates less need for on-hand stock, as Daikin power units work as a drop-in replacement for the vast majority of hydraulic pumps and motors within the industrial marketplace.



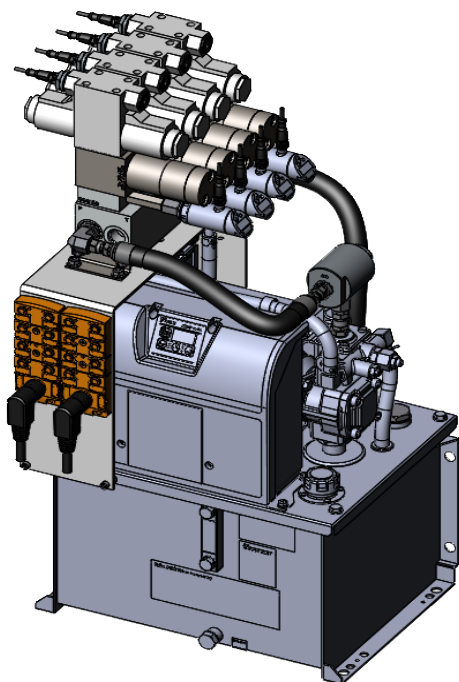
ACU-A-1-B-1-B-1-A-1-AWM

Description	Quantity
Eco-Rich #40 Series Hydraulic Unit Kit	1
Manifold Bracket	1
D03 Parallel 2 Sta. Alum. Manifold Kit	1
IFM Wiring Block Kit	1
#10 SAE Port Fittings	4
Pressure Line and Return Line Plumbed to Manifold	1
ClampMAX Filter Kit	1
KSO-G02-2CP-30-EN Valve Kit	2
D03 in Stack 3.4:1 Prop. D.A. Valve Type Booster	2
Single IFM Switch Kit, Aluminum	2

1

Specifications		Model
		ACU-A-1-B-1-B-1-A-1-AWM
Pump Unit	Max Flow	No Load: 4 gal/min (15 l/min) Under Pressure: 0.5 gal/min (2.2 l/min)
	Max Pressure	3400 PSI (0-23.5 MPa)
	Flow Adjustment Range	0- 4 gal/min (0-15 l/min)
	Operating Pressure Adjustment Range	0-3400 PSI (0 - 23.5 MPa)
Motor		2.2 kW
Power Required	Motor/Pump Unit	3 phase, AC 200V (50Hz), 200 V (60Hz), 220V (60Hz) (permissible voltage fluctuation +/- 10%)
Pump Rated Current	AC 3 phase, 200V (50Hz)	4.7 A
	AC 3 phase, 200V (60Hz)	4.5 A
	AC 3 phase 220V (60Hz)	4.3 A
No Fuse Breaker Capacity		15 A
External Input Signal		3 channels, photo coupler insulation, DC24V, (Max of 27VDC, 5 mA per channel)
External Output Signal	Digital Output	1 channel, photo coupler insulation, open collector output DC 24 V, 50mA maximum per channel
	Contact Output	1 channel, relay output, contact capacity: DC 30 V , 1A (resistance load), 1 common contact
Usable Oil		Mineral - oil base hydraulic oil viscosity grade ISO VG32-VG68
Tank Oil Temp		0 to 60 degrees C (recommended operating temperature range : 15 to 50 °C)
Operating Ambient Temperature		0 - 40 °C
Storage Ambient Temp		-20 to 60 °C
Humidity		85% RH maximum (no condensation)
Installation Site		Indoors (secured with bolts, etc.)
Altitude		1000 m maximum
Number of Valves		2
Power Req'd for Each Valve		AC 100 V coils: Starting amps 2.4 A, Holding current 0.51 A, Holding Power 21.5 W
		AC 200 V Coils: Starting amps 1.21, Holding current 0.26 A, Holding power 21.5 W
		*DC 24 V: Starting amps --, Holding current 1.22 A, Holding Power 29.2 W
Manifold Material		Aluminum
Port Size		-8 SAE A & B ports
# of Digital Pressure Switches		2
Valve Actuation		*Standard Unit: double solenoid, 24VDC Coils, closed center when de-energized. Custom options available upon request.

* notes standard option



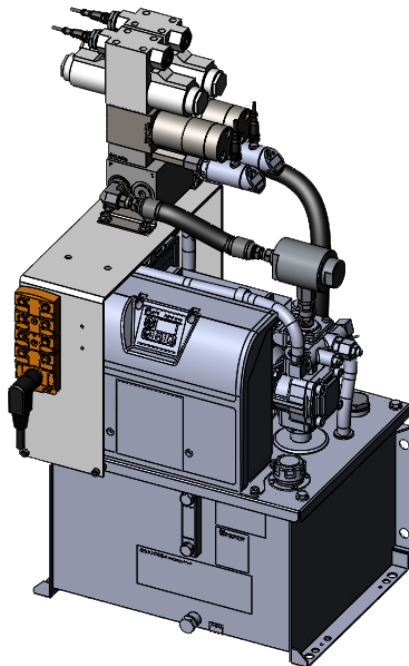
ACU-A-2-D-1-B-1-A-1-AWM

Description	Quantity
Eco-Rich #40 Series Hydraulic Unit Kit	1
Manifold Bracket	1
D03 Parallel 4 Sta. Alum. Manifold Kit	1
IFM Wiring Block Kit	2
#10 SAE Port Fittings	8
Pressure Line and Return Line Plumbed to Manifold	1
ClampMAX Filter Kit	1
KSO-G02-2CP-30 EN Valve Kit	4
D03 in Stack 3.4:1 Prop. D.A. Valve Type Booster	4
Single IFM Switch Kit, Aluminum	4

2

Specifications		Model
		ACU-A-2-D-1-B-1-A-1-AWM
Pump Unit	Max Flow	No Load: 4 gal/min (15 l/min) Under Pressure: 0.5 gal/min (2.2 l/min)
	Max Pressure	3400 PSI (0-23.5 MPa)
	Flow Adjustment Range	0- 4 gal/min (0-15 l/min)
	Operating Pressure Adjustment Range	0-3400 PSI (0 - 23.5 MPa)
Motor		2.2 kW
Power Required	Motor/Pump Unit	3 phase, AC 200V (50Hz), 200 V (60Hz), 220V (60Hz) (permissible voltage fluctuation +/- 10%)
Pump Rated Current	AC 3 phase, 200V (50Hz)	4.7 A
	AC 3 phase, 200V (60Hz)	4.5 A
	AC 3 phase 220V (60Hz)	4.3 A
No Fuse Breaker Capacity		15 A
External Input Signal		3 channels, photo coupler insulation, DC24V, (Max of 27VDC, 5 mA per channel)
External Output Signal	Digital Output	1 channel, photo coupler insulation, open collector output DC 24 V, 50mA maximum per channel
	Contact Output	1 channel, relay output, contact capacity: DC 30 V , 1A (resistance load), 1 common contact
Usable Oil		Mineral - oil base hydraulic oil viscosity grade ISO VG32-VG68
Tank Oil Temp		0 to 60 degrees C (recommended operating temperature range : 15 to 50 °C)
Operating Ambient Temperature		0 - 40 °C
Storage Ambient Temp		-20 to 60 °C
Humidity		85% RH maximum (no condensation)
Installation Site		Indoors (secured with bolts, etc.)
Altitude		1000 m maximum
Number of Valves		4
Power Req'd for Each Valve		AC 100 V coils: Starting amps 2.4 A, Holding current 0.51 A, Holding Power 21.5 W
		AC 200 V Coils: Starting amps 1.21, Holding current 0.26 A, Holding power 21.5 W
		*DC 24 V: Starting amps --, Holding current 1.22 A, Holding Power 29.2 W
Manifold Material		Aluminum
Port Size		-8 SAE A & B ports
# of Digital Pressure Switches		4
Valve Actuation		*Standard Unit: double solenoid, 24VDC Coils, closed center when de-energized. Custom options available upon request.

* notes standard option



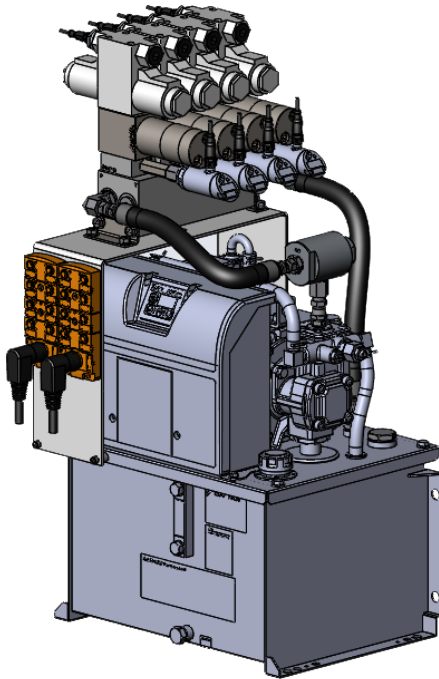
ACU-A-4-B-1-B-2-A-1-AWM

Description	Quantity
Eco-Rich #40 Series Hydraulic Unit Kit	1
Manifold Bracket	1
D03 Parallel 2 Sta. Ductile Manifold Kit	1
IFM Wiring Block Kit	1
#10 SAE Port Fittings	4
Pressure Line and Return Line Plumbed to Manifold	1
ClampMAX Filter Kit	1
KSO-G02-2CP-30 EN Valve Kit	2
D03 in Stack 5.0:1 Prop. D.A. Valve Type Booster	2
Single IFM Switch Kit, Ductile	2

3

Specifications		Model
		ACU-A-4-B-1-B-2-A-1-AWM
Pump Unit	Max Flow	No Load: 3.5 gal/min (14 l/min) Under Pressure: 0.33 gal/min (1.4 l/min)
	Max Pressure	5000 PSI (0-35 MPa)
	Flow Adjustment Range	0- 3.5 gal/min (0-14 l/min)
	Operating Pressure Adjustment Range	0-5000 PSI (0 - 35 MPa)
Motor		2.2 kW
Power Required	Motor/Pump Unit	3 phase, AC 200V (50Hz), 200 V (60Hz), 220V (60Hz) (permissible voltage fluctuation +/- 10%)
Pump Rated Current	AC 3 phase, 200V (50Hz)	4.7 A
	AC 3 phase, 200V (60Hz)	4.5 A
	AC 3 phase 220V (60Hz)	4.3 A
No Fuse Breaker Capacity		15 A
External Input Signal		3 channels, photo coupler insulation, DC24V, (Max of 27VDC, 5 mA per channel)
External Output Signal	Digital Output	1 channel, photo coupler insulation, open collector output DC 24 V, 50mA maximum per channel
	Contact Output	1 channel, relay output, contact capacity: DC 30 V , 1A (resistance load), 1 common contact
Usable Oil		Mineral - oil base hydraulic oil viscosity grade ISO VG32-VG68
Tank Oil Temp		0 to 60 degrees C (recommended operating temperature range : 15 to 50 °C)
Operating Ambient Temperature		0 - 40 °C
Storage Ambient Temp		-20 to 60 °C
Humidity		85% RH maximum (no condensation)
Installation Site		Indoors (secured with bolts, etc.)
Altitude		1000 m maximum
Number of Valves		2
Power Req'd for Each Valve		AC 100 V coils: Starting amps 2.4 A, Holding current 0.51 A, Holding Power 21.5 W
		AC 200 V Coils: Starting amps 1.21, Holding current 0.26 A, Holding power 21.5 W
		*DC 24 V: Starting amps --, Holding current 1.22 A, Holding Power 29.2 W
Manifold Material		Ductile iron
Port Size		-8 SAE A & B ports
# of Digital Pressure Switches		2
Valve Actuation		*Standard Unit: double solenoid, 24VDC Coils, closed center when de-energized. Custom options available upon request.

* notes standard option



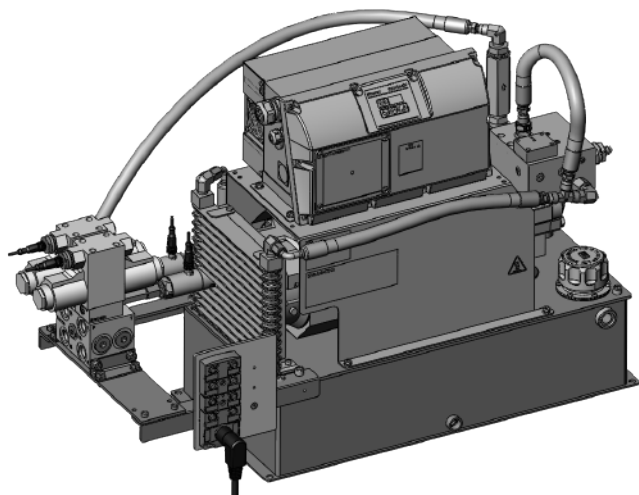
ACU-A-5-D-1-B-2-A-1-AWM

Description	Quantity
Eco-Rich #40 Series Hydraulic Unit Kit	1
Manifold Bracket	1
D03 Parallel 4 Sta. Ductile Manifold Kit	1
IFM Wiring Block Kit	4
#10 SAE Port Fittings	8
Pressure Line and Return Line Plumbed to Manifold	1
ClampMAX Filter Kit	1
KSO-G02-2CP-30 EN Valve Kit	4
D03 in Stack 5.0:1 Prop. D.A. Valve Type Booster	4
Single IFM Switch Kit, Ductile	4

4

Specifications		Model
		ACU-A-5-D-1-B-2-A-1-AWM
Pump Unit	Max Flow	No Load: 3.5 gal/min (14 l/min) Under Pressure: 0.33 gal/min (1.4 l/min)
	Max Pressure	5000 PSI (0-35 MPa)
	Flow Adjustment Range	0- 3.5 gal/min (0-14 l/min)
	Operating Pressure Adjustment Range	0-5000 PSI (0 - 35 MPa)
Motor		2.2 kW
Power Required	Motor/Pump Unit	3 phase, AC 200V (50Hz), 200 V (60Hz), 220V (60Hz) (permissible voltage fluctuation +/- 10%)
Pump Rated Current	AC 3 phase, 200V (50Hz)	4.7 A
	AC 3 phase, 200V (60Hz)	4.5 A
	AC 3 phase 220V (60Hz)	4.3 A
No Fuse Breaker Capacity		15 A
External Input Signal		3 channels, photo coupler insulation, DC24V, (Max of 27VDC, 5 mA per channel)
External Output Signal	Digital Output	1 channel, photo coupler insulation, open collector output DC 24 V, 50mA maximum per channel
	Contact Output	1 channel, relay output, contact capacity: DC 30 V , 1A (resistance load), 1 common contact
Usable Oil		Mineral - oil base hydraulic oil viscosity grade ISO VG32-VG68
Tank Oil Temp		0 to 60 degrees C (recommended operating temperature range : 15 to 50 °C)
Operating Ambient Temperature		0 - 40 °C
Storage Ambient Temp		-20 to 60 °C
Humidity		85% RH maximum (no condensation)
Installation Site		Indoors (secured with bolts, etc.)
Altitude		1000 m maximum
Number of Valves		4
Power Req'd for Each Valve		AC 100 V coils: Starting amps 2.4 A, Holding current 0.51 A, Holding Power 21.5 W
		AC 200 V Coils: Starting amps 1.21, Holding current 0.26 A, Holding power 21.5 W
		*DC 24 V: Starting amps --, Holding current 1.22 A, Holding Power 29.2 W
Manifold Material		Ductile iron
Port Size		-8 SAE A & B ports
# of Digital Pressure Switches		4
Valve Actuation		*Standard Unit: double solenoid, 24VDC Coils, closed center when de-energized. Custom options available upon request.

* notes standard option



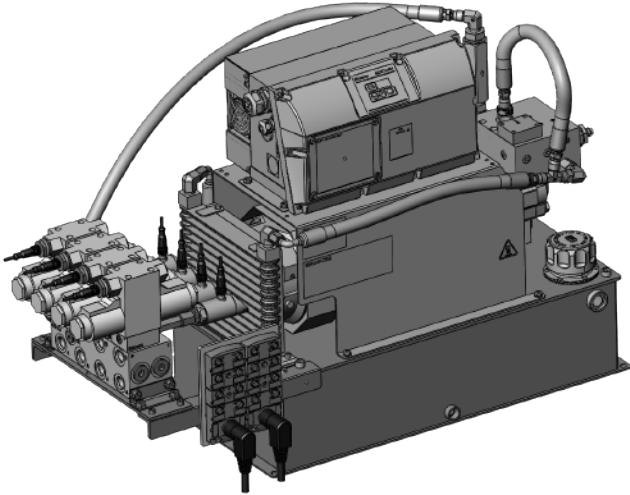
ACU-C-1-B-1-B-X-A-4-AWM

Description	Quantity
ClampMAX Super Unit Series Hydraulic Unit	1
Manifold Bracket	1
D03 Parallel 2 Sta. Aluminum Manifold Kit	1
IFM Wiring Block Kit	1
#10 SAE Port Fittings	4
Pressure line, and return line plumbed to manifold	1
KSO-G02-2CP-30 EN Valve Kit	2
Aluminum, Single IFM Switch Kit	2

5

Specifications		Model
		ACU-C-1-B-1-B-X-A-4-AWM
Pump Unit	Max Flow	15 gal/min (60 l/min)
	Max Pressure	3000 PSI (20.6 MPa)
	Flow Adjustment Range	2.5 - 15 gal/min (8.7 - 60 l/min)
	Operating Pressure Adjustment Range	225-3000 PSI (1.5 - 20.6 MPa)
Motor		5.0 kW
Power Req'd	Motor/Pump Unit	3 phase, AC 200V (50Hz), 200 V (60Hz), 220V (60Hz) (permissible voltage fluctuation +/- 10%)
Pump Rated Current	AC 3 phase, 200V (50Hz)	22.1 A
	AC 3 phase, 200V (60Hz)	21.7 A
	AC 3 phase 220V (60Hz)	20.2 A
No Fuse Breaker Capacity		30 A
External Input Signal		5 channels
		Photo coupler insulation, DC24V, (Maximum of 27VDC), 50mA per channel
External output signal	Digital Output	2 channel, photo coupler insulation, FET output, DC 24 V, 50mA maximum per channel
	Contact Output	1 channel, relay output, contact capacity: DC 30 V , 1A (resistance load), 1 common contact
Usable Oil		Mineral oil based, hydraulic oil viscosity grade ISO VG32-VG68
Tank Oil Temp		0 to 60 °C (recommended operating temperature range : 15 to 50 °C)
Operating Ambient Temperature		0 - 40 °C
Storage Ambient Temperature		-20 to 60 °C
Humidity		85% RH maximum (no condensation)
Installation Site		Indoors (secured with bolts, etc.)
Altitude		1000 m maximum
Number of Valves		2
Power Req'd for Each Valve		AC 100 V coils: Starting amps 2.4, holding current 0.51 A, holding power 21.5 W
		AC 200 V Coils: Starting amps 1.21, holding current 0.26 A, holding power 21.5 W
		*DC 24 V: Starting amps --, Holding current 1.22 A, holding power 29.2 W
Manifold Material		Aluminum
Port Size		-8 SAE A & B ports
# of Digital Pressure Switches		2
Valve Actuation		*Standard unit: double solenoid, 24VDC coils, closed center when de-energized. Custom options available upon request.

* notes standard option



ACU-C-2-D-1-B-X-A-4-AWM

Description	Quantity
ClampMAX Super Unit Series Hydraulic Unit	1
Manifold Bracket	1
D03 Parallel 4 Sta. Aluminum Manifold Kit	1
IFM Wiring Block Kit	2
#10 SAE Port Fittings	8
Pressure line, and return line plumbed to manifold	1
KSO-G02-2CP-30 EN Valve Kit	4
Aluminum, Single IFM Switch Kit	4

6

Specifications		Model
		ACU-C-2-D-1-B-X-A-4-AWM
Pump Unit	Max Flow	15 gal/min (60 l/min)
	Max Pressure	3000 PSI (20.6 MPa)
	Flow Adjustment Range	2.5 - 15 gal/min (8.7 - 60 l/min)
	Operating Pressure Adjustment Range	225-3000 PSI (1.5 - 20.6 MPa)
Motor		5.0 kW
Power Req'd	Motor/Pump Unit	3 phase, AC 200V (50Hz), 200 V (60Hz), 220V (60Hz) (permissible voltage fluctuation +/- 10%)
Pump Rated Current	AC 3 phase, 200V (50Hz)	22.1 A
	AC 3 phase, 200V (60Hz)	21.7 A
	AC 3 phase 220V (60Hz)	20.2 A
No Fuse Breaker Capacity		30 A
External Input Signal		5 channels
		Photo coupler insulation, DC24V, (Maximum of 27VDC), 50mA per channel
External output signal	Digital Output	2 channel, photo coupler insulation, FET output, DC 24 V, 50mA maximum per channel
	Contact Output	1 channel, relay output, contact capacity: DC 30 V , 1A (resistance load), 1 common contact
Usable Oil		Mineral oil based, hydraulic oil viscosity grade ISO VG32-VG68
Tank Oil Temp		0 to 60 °C (recommended operating temperature range : 15 to 50 °C)
Operating Ambient Temperature		0 - 40 °C
Storage Ambient Temperature		-20 to 60 °C
Humidity		85% RH maximum (no condensation)
Installation Site		Indoors (secured with bolts, etc.)
Altitude		1000 m maximum
Number of Valves		4
Power Req'd for Each Valve		AC 100 V coils: Starting amps 2.4, holding current 0.51 A, holding power 21.5 W
		AC 200 V Coils: Starting amps 1.21, holding current 0.26 A, holding power 21.5 W
		*DC 24 V: Starting amps --, Holding current 1.22 A, holding power 29.2 W
Manifold Material		Aluminum
Port Size		-8 SAE A & B ports -8 SAE A & B ports
# of Digital Pressure Switches		4
Valve Actuation		*Standard unit: double solenoid, 24VDC coils, closed center when de-energized. Custom options available upon request.

* notes standard option

ClampMAX®

CUSTOM OPTIONS

All World's ClampMAX® system can be customized to handle your most advanced applications. Our experienced engineering staff specializes in custom creating ClampMAX® suited to fit our customer's needs. Some of our most popular options include:

- Remote pendant controls (up to 30 feet away), single or double valve operation
- In-stack booster technology, with operational pressures ranging from 200 to 5,000 PSI
- Banner anti-tie down safety system (optional with control packages)
- HMI 7" touch screen operation of valve control option
- System control: man or robot (custom built)
- Line pressure holding or releasing options
- Complete electrical package designs
- Custom stand for small footprint





ALL WORLD MACHINERY SUPPLY

Specifications		Model			
Pump Unit	Max Flow	ACU-A-1-B-1-B1-A-1-AWM	ACU-A-2-D-1-B-1-A-1-AWM	ACU-A-4-B-1-B-2-A-1-AWM	ACU-A-5-D-1-B-2-A-1-AWM
	Max Pressure	No Load: 4GPM (15 L/min) Under Pressure: 0.5GPM (2.2 L/min)	No Load: 3.5 gal/min (14 l/min) Under Pressure: 0.33 gal/min (1.4 l/min)	No Load: 3.5 gal/min (14 l/min) Under Pressure: 0.33 gal/min (1.4 l/min)	No Load: 3.5 gal/min (14 l/min) Under Pressure: 0.33 gal/min (1.4 l/min)
	Flow Adjustment Range	3400 PSI (0 - 23.5 MPa)	5000 PSI (0 - 35 MPa)	5000 PSI (0 - 35 MPa)	5000 PSI (0 - 35 MPa)
	Operating Pressure Adjustment Range	0 - 4 gal/min (0 - 15L/min)	0 - 3.5 gal/min (0 - 14 l/min)	0 - 3.5 gal/min (0 - 14 l/min)	0 - 3.5 gal/min (0 - 14 l/min)
Motor		0-3400 PSI (0 - 23.5 MPa)	0-5000 PSI (0 - 35 MPa)	0-5000 PSI (0 - 35 MPa)	0-5000 PSI (0 - 35 MPa)
Power Required		2.2 kW			
Motor/Pump Unit		3 phase, AC 200V (50Hz), 200 V (60Hz), 220V (60Hz) (permissible voltage flucton +/- 10%)			
Pump Rated Current	AC 3 phase, 200V (50Hz)	4.7 A			
	AC 3 phase, 200V (60Hz)	4.5 A			
	AC 3 phase 220V (60Hz)	4.3 A			
No Fuse Breaker Capacity (A)		15 A			
External Output Signal	External Input Signal	3 channels, photo coupler insulation, DC24V, (Max of 27VDC, 5 mA per channel)			
	Digital Output	1 channel, photo coupler insulation, open collector output, DC 24 V, 50mA maximum per channel			
	Contact Output	1 channel, relay output, contact capacity: DC 30 V , 1A (resistance load), 1 common contact			
Usable Oil		Mineral - oil base hydraulic oil viscosity grade ISO VG32-VG68			
Tank Oil Temp		0 to 60 degrees C (recommended operating temperature range : 15 to 50 °C)			
Operating Ambient Temperature		0 - 40 °C			
Storage Ambient Temp		-20 to 60 °C			
Humidity		85% RH maximum (no condensation)			
Installation Site		Indoors (secured with bolts, etc.)			
Altitude		1000 m maximum			
Number of Valves		2	4	2	4
Power Required for Each Valve		AC 100 V coils: Starting amps 2.4, Holding current 0.51 amps, Holding Power 21.5 Watts AC 200 V coils: Starting Amps 1.21, Holding Current 0.26 amps, Holding power 21.5 Watts *DC 24 V: Starting Amps --, Holding Current 1.22 amps, Holding Power 29.2 Watts			
Manifold Material		Aluminum			
Port Size		Ductile Iron			
# of Digital Pressure Switches		-8 SAE A & B ports			
Valve Actuation		2	4	2	4

*Standard Unit: double solenoid, 24VDC Coils, closed center when de-energized. Custom options available upon request

ClampMAX®



ALL WORLD
MACHINERY SUPPLY

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