HYSON
Metal Forming Solutions™

Product Announcement

Subject:	Date:	Issue:
NitroCam Configurator Tool	10/29/2019	19-04 Nitro-Cam Configuator
	Issued By:	Page(s):
	Stefanie Cooper	1 of 2

HYSON Metal Forming Solutions announces the launch of the Nitro-Cam Configurator tool! Available for download from the HysonSolutions.com website, this latest interactive tool assists in the selection of CAM components and shows the performance and operating conditions for different combinations, making it easier to choose the ***RIGHT components for your specific application***.

To utilize the configurator, you will need to know the type of operation (piercing, forming, flanging) in addition to the force, stroke and quantity.

Step 1: Select System Type (based on force requirements, along with size, stroke length and quantity):

A: HCCU – a compact cam suited for normal piercing operations

B: HCF – a force cylinder suitable for forward and return motions

C: HCCF – a flange cam for operations with large amounts of side load.

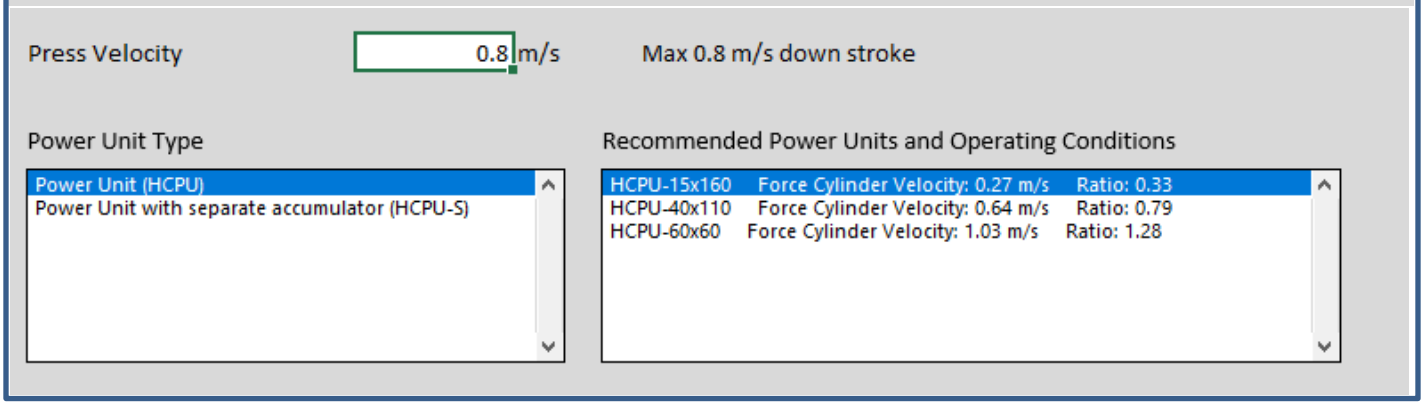
Note: As you make selections, a summary will construct in addition to

Mounting preference and Product Option selection (where available) is, different Mounting Options will become available and need selected as well.

From there you will select your preference of Power Unit based on your Maximum Press Velocity

Step 2: Select HC Power Unit

Select Power Units dependent upon your preference of type of unit and operating conditions



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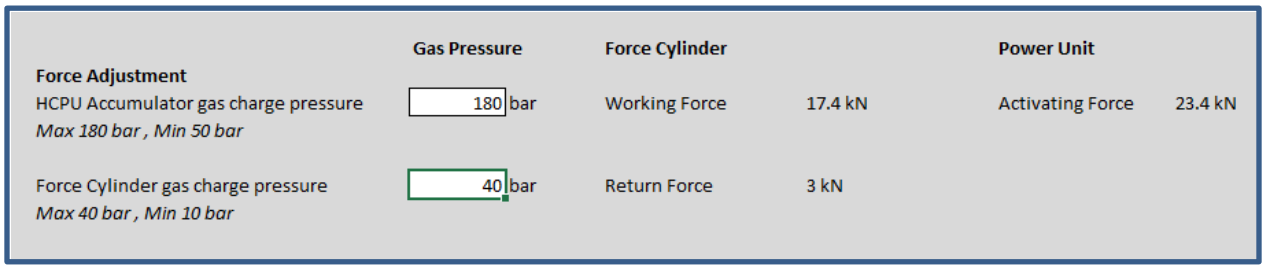
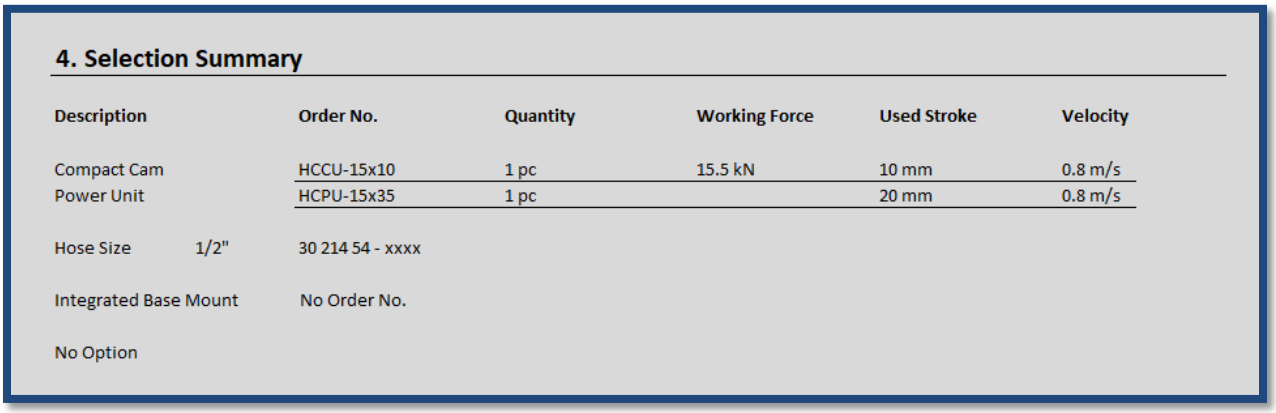
Step 3: Charge Pressure Options

Next, entering the charging pressures for the system will output the working, activating, and return force allowing you to verify your selections meet you requirements and understand the needed pressures to achieve them.



	Gas Pressure	Force Cylinder		Power Unit	
Force Adjustment					
HCPU Accumulator gas charge pressure *Max 180 bar , Min 50 bar*	180 bar	Working Force	17.4 kN	Activating Force	23.4 kN
Force Cylinder gas charge pressure *Max 40 bar , Min 10 bar*	40 bar	Return Force	3 kN		

From here, the Configurator will provide descriptions, summary and order information that match your requirements for both the Cam Unit and Power Unit in addition to hose sizes, mount information and options.



4. Selection Summary

Description	Order No.	Quantity	Working Force	Used Stroke	Velocity
Compact Cam	HCCU-15x10	1 pc	15.5 kN	10 mm	0.8 m/s
Power Unit	HCPU-15x35	1 pc		20 mm	0.8 m/s
Hose Size 1/2"	30 214 54 - xxxx				
Integrated Base Mount	No Order No.				
No Option					

The Nitro-Cam Configurator tool can be accessed at https://www.hysonsolutions.com/en-us/resource-center/nitrocam-configurator/ . It includes images and descriptions for each section to explain the options throughout the tool.