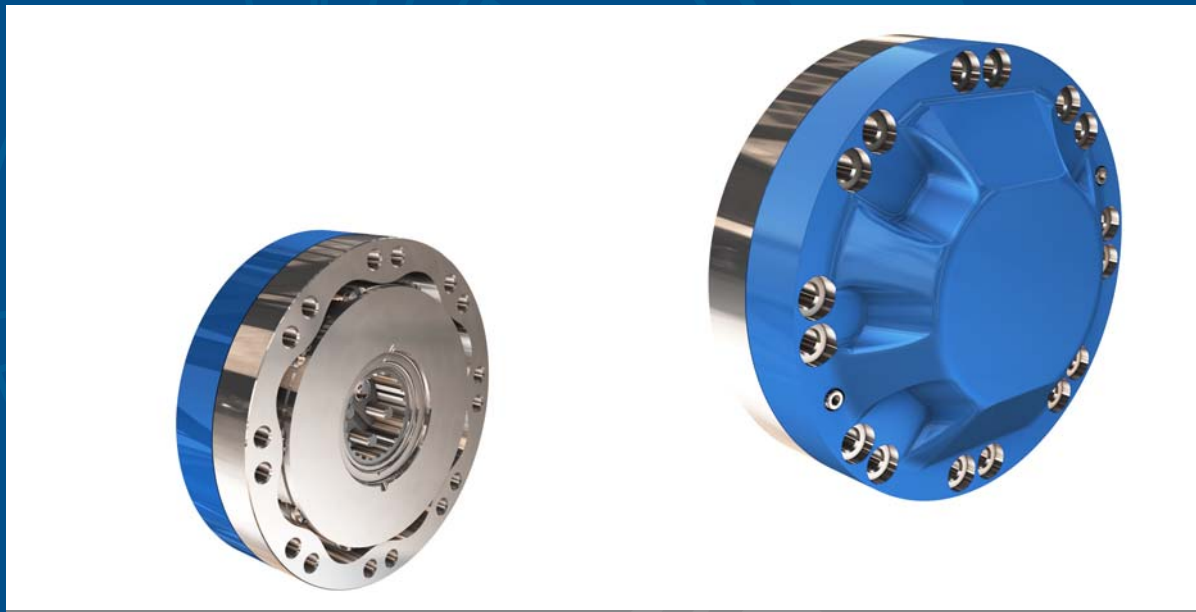


# MF08 - MFE08

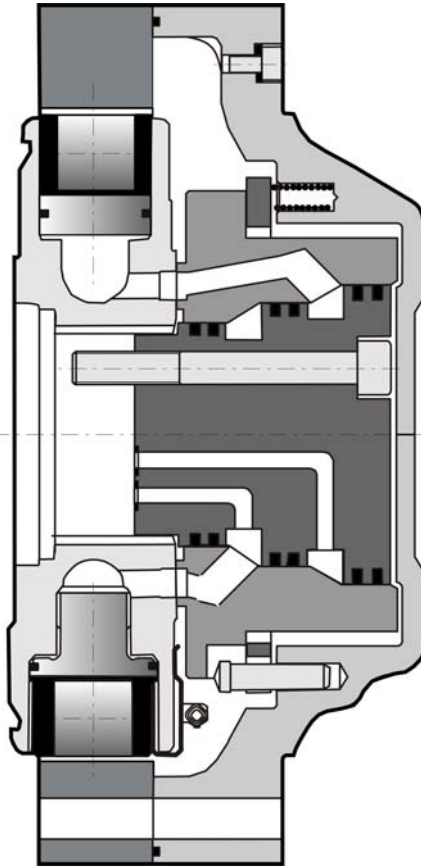
## HYDROBASES



T E C H N I C A L C A T A L O G



# CHARACTERISTICS

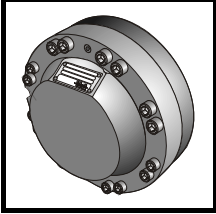


Motor inertia = 0.05 kg.m<sup>2</sup>

	C	Displacement cm <sup>3</sup> /tr [cu.in/rev.]	Theoretical torque		Max.power kW [HP]	Max. speed tr/min [RPM]	Freewheeling- Max. speed	Max. pressure bar [PSI]
			at 100 bar					
			Nm	at 1000 PSI [lb.ft]				
Cams with equal lobes	MF08	8	627 [38.2]	997	41 [55]	150	1000	450 [6,530]
		9	702 [42.8]	1116		134		
		0	780 [47.6]	1240		121		
		1	857 [52.3]	1363		110		
		2	934 [57.0]	1485		101		
	MFE08	8	838 [51.1]	1332	41 [55]	112	1000	400 [5,800]
		9	938 [57.2]	1491		100		
		0	1,043 [63.6]	1658		90		
		1	1,146 [69.9]	1822		82		
		2	1,248 [76.1]	1984		75		



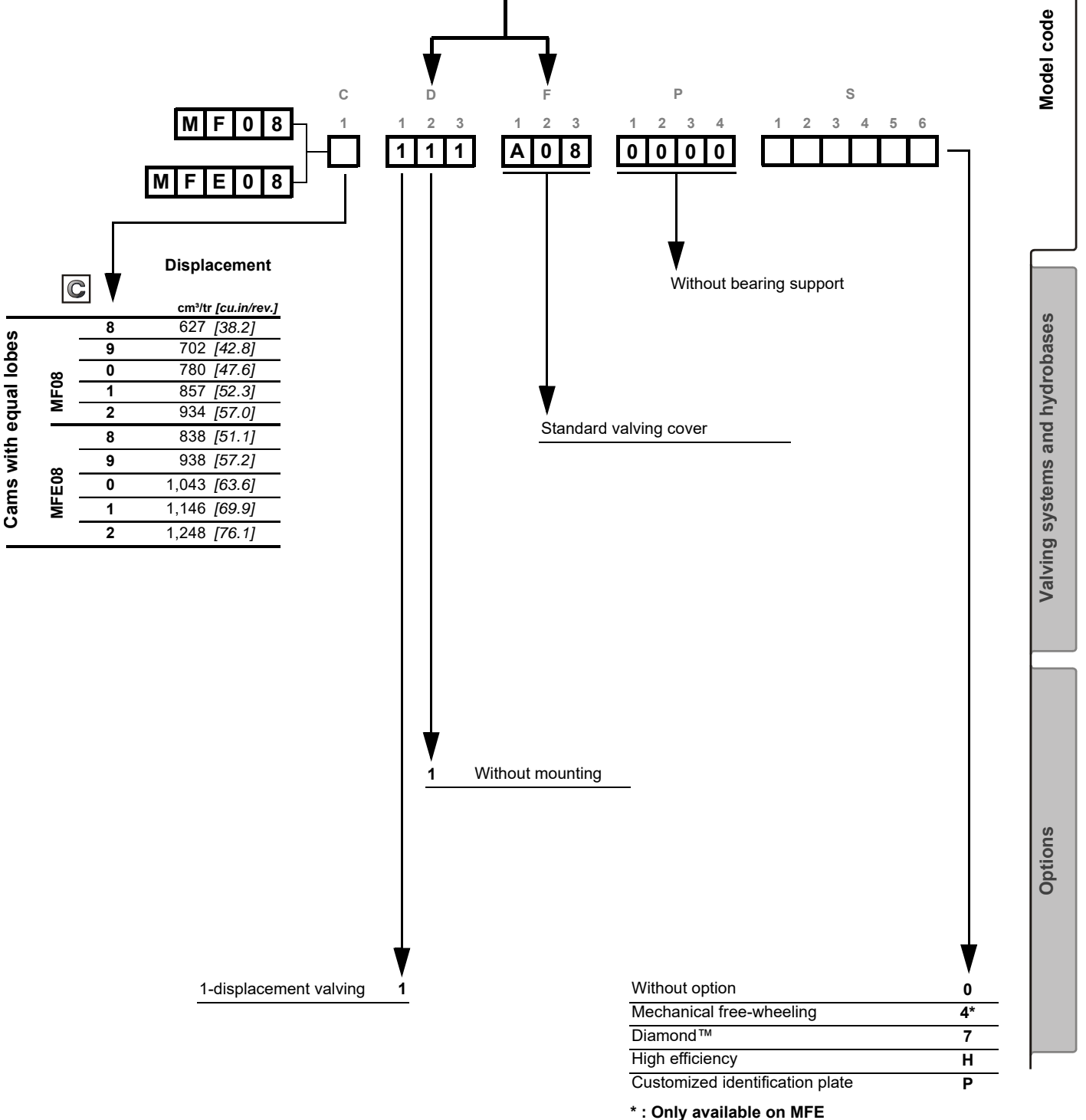
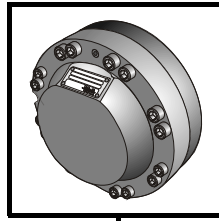
# CONTENT

	<b>MODEL CODE</b>	<b>5</b>	Model code
	<b>VALVING SYSTEM AND HYDROBASES</b> Dimensions for 1-displacement valving Cylinder block splines	<b>7</b> 7 8	Valving systems and hydrobases
	<b>OPTIONS</b>	<b>9</b>	Options





# MODEL CODE





**Methodology :**

This document is intended for manufacturers of machines that incorporate Poclairn Hydraulics products. It describes the technical characteristics of Poclairn Hydraulics products and specifies installation conditions that will ensure optimum operation. This document includes important comments concerning safety. They are indicated in the following way:



**Safety comment.**

This document also includes essential operating instructions for the product and general information. These are indicated in the following way:



**Essential instructions.**



**General information.**



**Information on the model number.**



**Weight of component without oil.**



**Volume of oil.**



**Units.**



**Tightening torque.**



**Screws.**



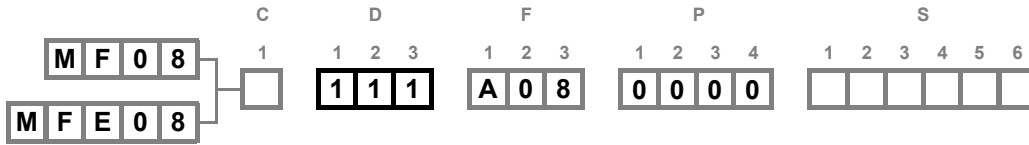
**Information intended for Poclairn-Hydraulics personnel.**

The views in this document are created using metric standards.  
The dimensional data is given in mm and in inches (inches are given in brackets in italics).



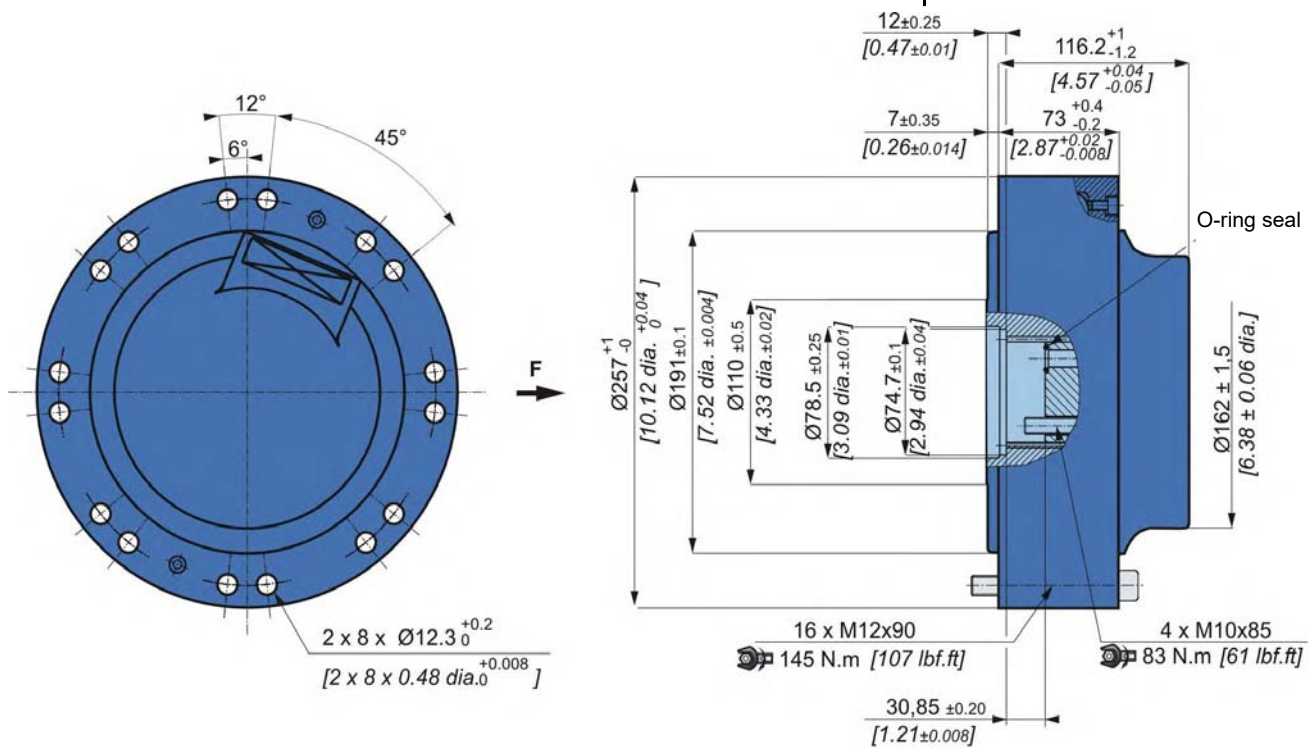
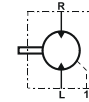


# VALVING SYSTEM AND HYDROBASES



## Dimensions for 1-displacement valving

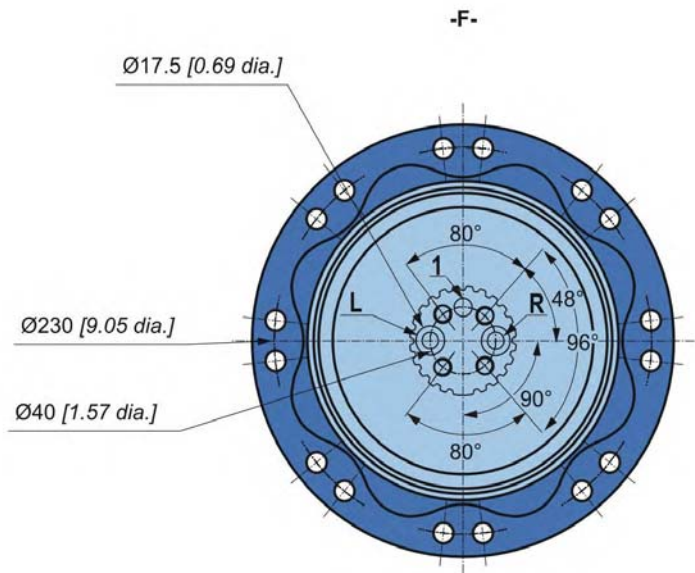
29.0 kg [64 lb]  
 0.50 L [30 cu.in]



Model code

Valving systems and hydrobases

Options

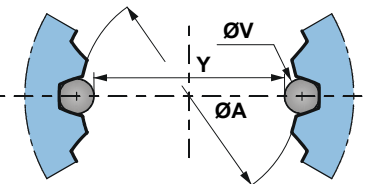




## Cylinder block splines

(as per standard NF E22-141)

Nominal $\varnothing$ . mm [in]	$\varnothing A$ mm [in]	Module	Z	Dimension on 2 pins	
				Y mm [in]	$\varnothing V$ mm [in]
65.0 [2.559]	60.0 [2.362]	2.5	24	55.169 [2.172]	5.0 [0.197]



You are advised to have the installation validated by your Poclair Hydraulics application engineer before using the hydraulic unit in an application.

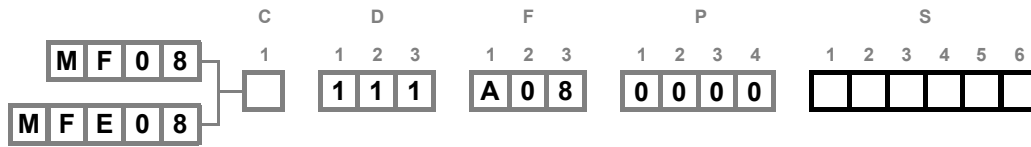


We must provide you with a detailed plan of the interface for any hydraulic unit use, consult your Poclair Hydraulics sales engineer.





# OPTIONS



You can accumulate more than one optional part. Consult your Poclain Hydraulics sales engineer.

## 4 - Mechanical Free-Wheeling

This option allows the pistons to return to their bores when there is no pressure in the supply lines. Only available on MFE.

## 7 - Diamond™

Special treatment of the motor core which considerably increases its strength, making the motor much more tolerant to temporary instances of the operating conditions being exceeded.

## H - High efficiency

Reinforced piston sealing to improve volumetric efficiency.



For a precise calculation, consult your Poclain Hydraulics application engineer.

## P - Customized identification plate

Your part number can be engraved on the plate.



Consult your Poclain Hydraulics application engineer for other possibilities.

Model code

Valving systems and hydrobases

Options







*Poclain Hydraulics reserves the right to make any modifications it deems necessary to the products described in this document without prior notification. The information contained in this document must be confirmed by Poclain Hydraulics before any order is submitted.*

*Illustrations are not binding.*

*The Poclain Hydraulics brand is the property of Poclain Hydraulics S.A.*

 25/05/2022

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