

# **POCLAIN HYDRAULICS** SOLUTIONS FOR THE MOST DEMANDING MARKETS

Poclain hydraulics specializes in the design, manufacturing and marketing of hydrostatic transmissions.

Our internationally recognized expertise allows us to expand on highly diversified markets such as the construction, agricultural, public works, material handling, industrial, environment and on-road markets. Poclain hydraulics' development is driven by our innovative spirit and our ability to anticipate the needs of a wide range of cutting edge applications.

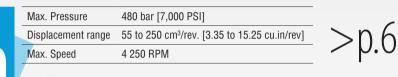
- > Construction > Material handling
- > Agricultural
- > Mining
- > Forestry
- > Environment > Etc
- > Industry
- > Marine
- > On-Road



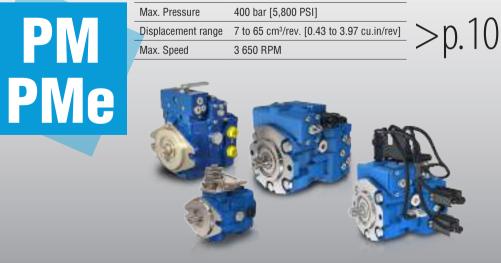


# Closed loop and variable displacement

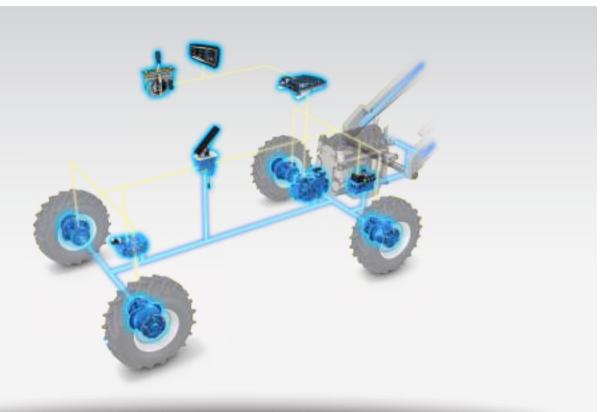
# **HEAVY DUTY PUMPS**







# Hydraulic Pumps for open and closed loops



# Open loop and fixed displacement

# **HEAVY DUTY PUMPS**







Axial piston technology Variable displacement High design flexibility Low noise level High torque for throughdrive Overpressure protection

# **HEAVY DUTY CYCLE** FOR ROBUST AND PRECISE TRANSMISSIONS

## **P90-055 • P90-075 • P90-100 P90-130 • P90-180 • P90-250**

From 55 to 250 cm<sup>3</sup>/rev. [3.35 to 15.25 cu.in/rev.]

Up to 2 938 N.m [2,600 lbf.ft]

Up to 480 bar [7,000 PSI]

Up to 4 250 rpm

Up to 424 kW [568 HP]







## Performance

		P90-055	P90-075	P90-100	P90-130	P90-180	P90-250
Displacement	cm <sup>3</sup> /rev [cu.in/rev]	55 [3.35]	75 [4.58]	100 [6.10]	130 [7.91]	180 [10.98]	250 [15.25]
May Gread	(Continuous) RPM	3 900	3 600	3 300	3 100	2 600	2 300
Max. Speed –	(Intermittent) RPM	4 250	3 950	3 650	3 400	2 850	2 500
Mar Durantura	(Continuous) bar [PSI]	420 [6,092]	420 [6,092]	420 [6,092]	420 [6,092]	420 [6,092]	420 [6,092]
Max. Pressure –	(Intermittent) bar [PSI]	480 [6,962]	480 [6,962]	480 [6,962]	480 [6,962]	480 [6,962]	480 [6,962]

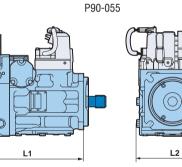
## Dimensions

		P90-055	P90-075	P90-100	P90-130	P90-180	P90-250
L1	mm	288,8	306,1	339,1	370	398	419
	[in]	[11.37]	[12.05]	[13.35]	[14.58]	[15.67]	[16.5]
L2	mm	204,4	210	228,1	221,5	294,42	-
	[in]	[8.04]	[8.27]	[8.98]	[8.72]	[11.59]	[-]
L3	mm	282,3	265	283	311	360	360
	[in]	[11.11]	[10.43]	[11.14]	[12.24]	[14.17]	[14.17]
Weight	kg	40	49	49	88	136	154
max.*	[lb]	[88]	[108]	[108]	[194]	[300]	[340]



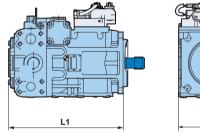
\*Depending on the controls and the options.

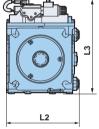
 $\cap$ 



# Auxiliary mounting pads







		P90-055	P90-075	P90-100	P90-130	P90-180	P90-250
Flange SAE A	9 teeth coupling	٠	•	•	•	٠	٠
Flange SAE BB	15 teeth coupling	٠	•	•	•	•	٠
Flange SAE B	13 teeth coupling	٠	•	•	•	•	٠
Flange SAE C	14 teeth coupling	٠	•	•	•	•	٠
	13 teeth coupling				•	•	٠
Flange SAE D	27 teeth coupling				•	•	٠
	13 teeth coupling					•	٠
Flange SAE E	27 teeth coupling					•	•
No auxiliary mountin	g pad	٠	٠	٠	٠	٠	٠

က

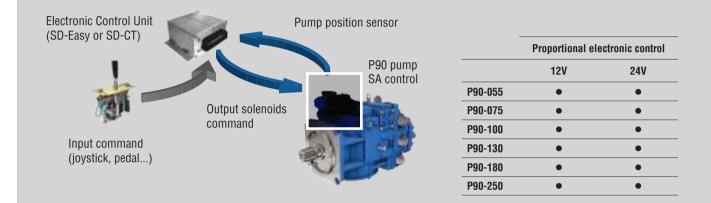
# **ELECTRONIC CONTROL OF THE P90**

## SmartDrive system

The P90 control logic relies on a closed loop regulation of the pump.

The control system's brain is the ECU (SD-Easy or SD-CT), which sends PWM (Pulse Width Modulation) signals to the two main control solenoid valves that pilot the servo cylinder of the pump.

The exact position of the pump swashplate is tracked by a Hall effect feedback potentiometer whose inputs are constantly processed by the ECU to reach a very high pump displacement control accuracy.

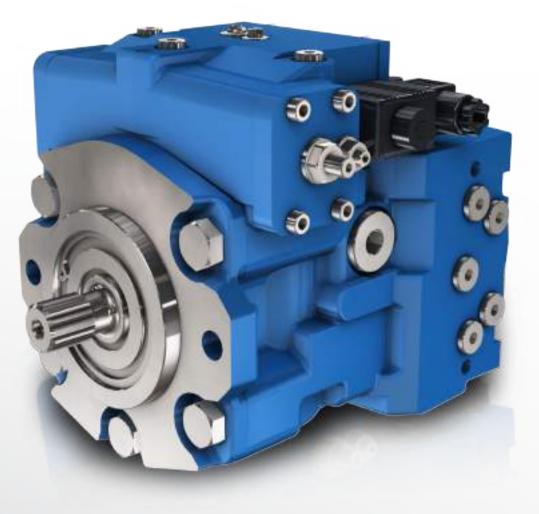


## Mounting flanges and shafts

		P90-055	P90-075	P90-100	P90-130	P90-180	P90-250
	Splined shaft 14 teeth, pitch 12/24	•	•	•			
Flange SAE C	Splined shaft 21 teeth, pitch 16/32	•	٠	٠			
	Splined shaft 23 teeth, pitch 16/32		•	•			
	Splined shaft 27 teeth, pitch 16/32				•		
Flange SAE D	Splined shaft 13 teeth, pitch 8/16			٠	•		
	Splined shaft 27 teeth, pitch 16/32					•	•
Flange SAE E	Splined shaft 13 teeth, pitch 8/169					٠	٠

#### **Optional features**

	P90-055	P90-075	P90-100	P90-130	P90-180	P90-250
Speed sensor	٠	•	•	•	•	•
Suction filtration	٠	•	•	•	٠	•
Charge pressure filtration	•	•	•	٠	٠	٠
Integral pressure filter	٠	•	•	•	•	•
Remote pressure	•	•	•	•	•	•





Axial piston technology Variable displacement Compact design A large choice of controls Embedded electronics Plug & Drive<sup>™</sup> solution

# **MEDIUM DUTY PUMPS** DESIGN FOR PERFORMANCE AND EASY INTEGRATION

### PMV0 - PM10 - PM20 - PM30 - PMe30 PM50 - PMe50 - PM65

From 7 to 65 cm<sup>3</sup>/rev. [0.43 to 3.97 cu.in/rev.]

Up to 103,5 N.m [916 lbf.ft]

Up to 400 bar [5,800 PSI]

Up to 3 600 rpm

Up to 124,8 kW [167.4 HP]













## Performance

	-	PMV0	PM10	PM20	PM30 PMe30	PM50 PMe50	PM65
Displacement range	cm3/rev [cu.in/rev]	7 - 18 [0.43] - [1.10]	7 - 21 [0.43] - [1.28]	21 - 27.4 [1.28] - [1.67]	25 - 34,2 [1.53] - [2.09]	40 - 52 [2.44] - [3.17]	55 - 65 [3.36] - [3.97]
Rated Speed	RPM	3 600	3 600	3 600	3 600	3 600	3 600
May Dressure	(Continuous) bar [PSI]	210 [3,045]	210 [3,045]	250 [3,626]	300 [4,350]	300 [4,350]	250 [3,625]
Max. Pressure	(Intermittent) bar [PSI]	300 [4,351]	350 [5,076]	350 [5,076]	400 [5,801]	400 [5,801]	350 [5,076]
Max. theorical absorbed power	kW [HP]	12,7 - 30,5 [17.0] - [40.9]	14,9 - 42,6 [20.0] - [57.1]	32,6 - 44,4 [43.7] - [59.5]	48,0 - 65,6 [64.4] - [88.0]	74,8 - 99,8 [100.3] - [133.8]	106,0 - 124,8 [142.1] - [167.3]

# Mounting flanges and shafts

		PMV0	PM10	PM20	PM30 PMe30	PM50 PMe50	PM65
Colined shoft	9 teeth, pitch 12/24	٠	٠				
Spinieu snan	11 teeth, pitch 16/32	٠	•				
	Diameter 15,875 [0.624]	٠					
Key shaft mm [in]	Diameter 18 [0.71]	٠					
Diameter 19,05 [0.75] •							
	11 teeth, pitch 16/32		•				
Splined shaft	13 teeth, pitch 16/32		•	•	•	•	
	14 teeth, pitch 12/24					•	
	Diameter 19,05 [0.75]		•				
Key shaft mm [in]	Diameter 22,22 [0.87]						٠
	Diameter 25,38 [0.99]					٠	
Splined shaft	15 teeth, pitch 16/32			٠	٠	•	٠
	mm [in] Splined shaft Key shaft mm [in]	Splined shaft     11 teeth, pitch 16/32       Key shaft mm [in]     Diameter 15,875 [0.624]       Diameter 18 [0.71]     Diameter 18 [0.75]       Splined shaft     11 teeth, pitch 16/32       Splined shaft     13 teeth, pitch 16/32       I4 teeth, pitch 12/24     Diameter 19,05 [0.75]       Key shaft mm [in]     Diameter 22,22 [0.87]       Diameter 25,38 [0.99]     Diameter 25,38 [0.99]	Splined shaft     11 teeth, pitch 16/32     •       Key shaft mm [in]     Diameter 15,875 [0.624]     •       Diameter 15,875 [0.624]     •       Diameter 18 [0.71]     •       Diameter 19,05 [0.75]     •       11 teeth, pitch 16/32     •       Splined shaft     13 teeth, pitch 16/32       14 teeth, pitch 12/24     •       Diameter 19,05 [0.75]     •       Key shaft mm [in]     •       Diameter 22,22 [0.87]     •	Splined shaft     11 teeth, pitch 16/32     •       Key shaft mm [in]     Diameter 15,875 [0.624]     •       Diameter 15,875 [0.624]     •       Diameter 18 [0.71]     •       Diameter 19,05 [0.75]     •       11 teeth, pitch 16/32     •       Splined shaft     11 teeth, pitch 16/32     •       13 teeth, pitch 16/32     •       14 teeth, pitch 12/24     •       Diameter 19,05 [0.75]     •       Key shaft mm [in]     Diameter 22,22 [0.87]       Diameter 25,38 [0.99]     •	Splined shaft     11 teeth, pitch 16/32     •       Key shaft mm [in]     Diameter 15,875 [0.624]     •       Diameter 18 [0.71]     •       Diameter 18 [0.75]     •       Diameter 19,05 [0.75]     •       Splined shaft     11 teeth, pitch 16/32     •       Splined shaft     13 teeth, pitch 16/32     •       I3 teeth, pitch 12/24     •     •       Diameter 19,05 [0.75]     •     •       Key shaft mm [in]     Diameter 22,22 [0.87]     •       Diameter 25,38 [0.99]     •     •	Splined shaft     9 teeth, pitch 12/24     •       11 teeth, pitch 16/32     •       Key shaft mm [in]     Diameter 15,875 [0.624]     •       Diameter 18 [0.71]     •     •       Diameter 19,05 [0.75]     •     •       Splined shaft     11 teeth, pitch 16/32     •       Splined shaft     11 teeth, pitch 16/32     •       Splined shaft     13 teeth, pitch 16/32     •       I teeth, pitch 12/24     •     •       Diameter 22,22 [0.87]     •     •       Diameter 25,38 [0.99]     •     •	Splined shaft     9 teeth, pitch 12/24     •     •       11 teeth, pitch 16/32     •     •     •       Key shaft mm [in]     Diameter 15,875 [0.624]     •     •       Diameter 18 [0.71]     •     •     •       Diameter 19,05 [0.75]     •     •     •       Splined shaft     11 teeth, pitch 16/32     •     •       Splined shaft     11 teeth, pitch 16/32     •     •       13 teeth, pitch 16/32     •     •     •       14 teeth, pitch 12/24     •     •     •       Mam [in]     Diameter 22,22 [0.87]     •     •       Diameter 25,38 [0.99]     •     •     •

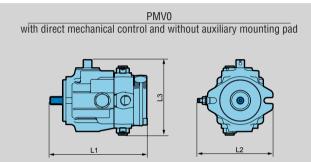
# Auxiliary mounting pads

		PMV0	PM10	PM20	PM30 PMe30	PM50 PMe50	PM65
German group 1		٠	•				
German group 2		•	•				
	9 teeth coupling		•	•	٠	•	٠
Flange SAE A	11 teeth coupling				٠	•	٠
Flange SAE B	13 teeth coupling				٠	•	٠
Flange SAE BB	15 teeth coupling				٠	•	٠
No auxiliary mounting p	pad	٠	٠	٠	٠	٠	•

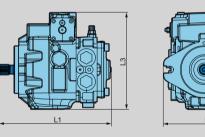
#### Dimensions

		PMV0	PM10	PM20	PM30	PMe30	PM50	PMe50	PM65
L1	mm	192,8	204,5	238	253,2	256,2	271,5	282,2	303,5
LI	[in]	[7.59]	[8.05]	[9.37]	[9.98]	[10.08]	[10.68]	[11.11]	[11.95]
L2	mm	107,4	144	174	221,7	290,5	218	289,5	223,5
LZ	[in]	[4.23]	[5.67]	[6.85]	[8,72]	[11.44]	[8.58]	[11.40]	[8.8]
L3	mm	129	187,7	207,2	212,2	290,5	214,5	299,0	232,5
LJ	[in]	[5.08]	[7.39]	[8.16]	[8.35]	[11.44]	[8.45]	[11.77]	[9.15]
Weight max.*	kg [lb]	9,5 [20.9]	18,8 [41.4]	20,8 [45.8]	29 [63.9]	31,5 [69.4]	32 [70.5]	32 [70.5]	30,5 [67.2]

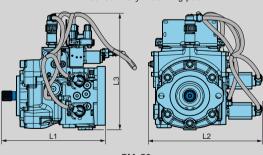
\*Depending on the controls and the options.



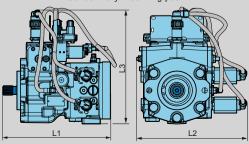
PM20 with hydraulic servo control and without auxiliary mounting pad



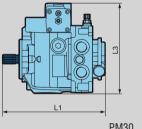
PMe30 without auxiliary mounting pad

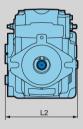


PMe50 without auxiliary mounting pad



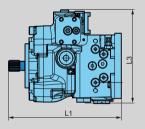
PM10 with hydraulic servo control and without auxiliary mounting pad

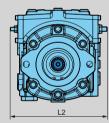




PM30

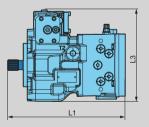
with hydraulic servo control and without auxiliary mounting pad

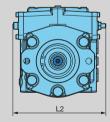




PM50

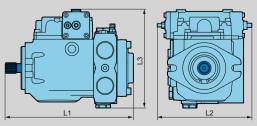
with hydraulic servo control and without auxiliary mounting pad





PM65

with hydraulic servo control and without auxiliary mounting pad



# **PMe: EMBEDDED ELECTRONIC**

## Reduce your development costs and time

The PMe is designed to be easily integrated into a wide variety of machines. The PMe's on-board ECU can withstand the harshest environments, including proximity to the combustion engine. The ECU is pre-wired and pre-programmed; after shipping, the system is ready to be connected to the driving devices (e.g. the travel pedal, joystick, brake pedal) and is ready to use.

The associated electronic devices are delivered already plugged onto the pump and wired to the ECU. The factory-installed harnesses are tested at the end of the assembly line prior to delivery. The two integrated CAN Buses allow configurating, machine diagnosing and information sharing with other machine components (e.g. engine, displays, hydraulic components).

Among the many pre-defined software functionalities included in the PMe packages, the speed control loop is available for specific applications that need constant driving speed, a pre-requisite being two speed sensors in the wheels. The PMe pump can also be used as a slave unit via CAN Bus. The CAN message redundancy allows for safe control of the pump. It ensures an accurate control thanks to an internal pump calibration. The PMe can also provide the plugged sensors' physical and electrical values (temperature, pressure, speed) via CAN Bus to the master ECU.



#### Controls

PMV0	PM10	PM20	PM30	PMe30	PM50	PMe50	PM6
•	٠						
٠	٠						
٠							
	•	٠	٠		٠		٠
٠	•	٠	٠		•		٠
	٠	•*	•		٠		
	٠	•*	•		٠		•
	٠		٠		٠		•
	٠	•*	٠		٠		٠
	٠		٠		٠		٠
	٠	•*	٠		٠		٠
	٠	•*	٠	٠	٠	٠	٠
	•	•	•	•	٠	•	
	PMV0	PMV0 PM10   • •	PMV0     PM10     PM20       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·       •     •     ·	PMV0     PM10     PM20     PM30       •     •     ·     ·       •     •     ·     ·       •     •     ·     ·       •     •     ·     ·       •     •     •     ·       •     •     •     ·       •     •     •     ·       •     •     •     ·       •     •     •     ·       •     •     ·     ·       •     •     ·     ·       •     •     ·     ·       •     •     ·     ·       •     •     ·     ·       •     •     ·     ·       •     •     ·     ·	PMV0     PM10     PM20     PM30     PMe30       •     •     ·	PMV0     PM10     PM20     PM30     PMe30     PM50       •     •     ·	PMV0     PM10     PM20     PM30     PMe30     PM50     PMe50       •     •     ·

\* Under development

## PM / PMe

#### Additional features

Please take in consideration that all combinations are not possible.

	PMV0	PM10	PM20	PM30 PMe30	PM50 PMe50	PM65
Fitting for rear power take-off (through shaft)	٠					
Electrical by-pass with brake engaged	٠					
Mechanical inching		•		•	•	•
Hydraulic inching		•		•	•	•
Brake inching				•	•	(
Lever by-pass	٠					(
Low noise valve plate	٠					
Pressure filter	٠	•	٠	٠	•	•
Flushing valve	٠	٠	٠	٠	•	•
Safety valve		٠	٠	٠	•	
Pressure cut-off valve (option LP)		•		•*	•*	•
Anti-stall valve		٠		•	•	•
Neutral position switch (only for control A)		•		•	•	•
Roller bearing	٠	٠	٠	٠	•	
UNF ports	٠	•	٠	٠	٠	٠
SAE ports	٠	٠	٠	٠	•	٠
Speed sensor				٠	٠	
Fluorinated elastomer seals	٠	•	٠	٠	•	
Linder development						

\* Under development

# **PHAST PROGRAM**

## Fast delivery

Poclain Hydraulics is committed to supplying a number of standard pumps **within 10 business days**, excluding transport.

This delivery time applies to any order limited to one pump per Part Number, per customer and per month.

Making their selection from a predetermined list of pumps, machine manufacturers can choose from pumps with mechanical servo control (A) or hydraulic servo control (S) or electro proportional servo control (P) or electro proportional servo control with feeback (Q). All pumps are equipped with a high pressure relief valve setting, internal charge pump and charge relief valve setting, SAE A flange for the auxiliary mounting pad and a flushing valve.

#### Pump types

PMV0	PM10	PM30	PM50
•*	٠	•	٠

\* Only available with M and L control



#### More information > Page 20

Visit our dedicated web page www.poclain-hydraulics.com/en/services/phast



DL





Radial piston technology Fixed displacement High strength Robust and dust resistant

# HEAVY DUTY PUMPS For open loops



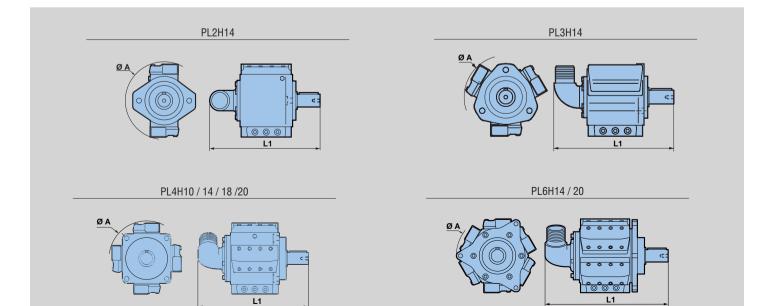
## Performance

		2 outputs	3 outputs	4 outputs	4 outputs	4 outputs	4 outputs
		PL2H14	PL3H14	PL4H10	PL4H14	PL4H18	PL4H20
Displacement	cm³/rev [cu.in/rev]	2 x 17.5 to 2 x 32 [2 x 1.07 to 2 x 1.95]	3 x 17.5 to 3 x 37 [3 x 1.07 to 3 x 2.26]	4 x 10.3 to 4 x 12.5 [4 x 0.63 to 4 x 0.76]	4 x 17.5 to 4 x 37 [4 x 1.07 to 4 x 2.26]	4 x 33 to 4 x 52 [4 x 2.01 to 4 x 3.17]	4 x 58 to 4 x 74 [4 x 3.54 to 4 x 4.52]
Max. Pressure	bar [PSI]	450 [6,526]	450 [6,526]	450 [6,526]	450 [6,526]	450 [6,526]	450 [6,526]
Max. Speed	RPM	3 100 to 2 400	3 400 to 2 400	2 700	3 100 to 2 000	2 500 to 2 400	2 400 to 2 300
Max. Power	kW [HP]	81 to 115 [109 to 155]	134 to 200 [180 to 269]	84 to 102 [113 to 137]	163 to 222 [219 to 298]	246 to 376 [331 to 506]	417 to 510 [561 to 686]

		6 outputs	6 outputs	
		PL6H14	PL6H20	
Displacement	cm³/rev [cu.in/rev]	6 x 17.5 to 6 x 32   6 x 58 to 6 x 7     [6 x 1.07 to 6 x   [6 x 3.5 to 6 x     1.95]   4.51]		
Max. Pressure	bar [PSI]	450 [6,526]	450 [6,526]	
Max. Speed	RPM	3 200 to 2 300	2 400 to 2 000	
Max. Power	kW [HP]	252 to 331 [339 to 445]	626 to 666 [842 to 895]	

## Dimensions

	-								
		PL2H14	PL3H14	PL4H10	PL4H14	PL4H18	PL4H20	PL6H14	PL6H20
Dia. A	mm	320	320	275	320	440	550	352	550
Dia. A	[in]	[12.60]	[12.60]	[10.83]	[12.60]	[17.32]	[21.65]	[13.86]	[21.65]
L1	mm	397	397	376	435	550	656	463	659
L1	[in]	[15.63]	[15.63]	[14.80]	[17.13]	[21.65]	[25.83]	[18.23]	[25.94]
Woight	kg	38	47	42	68	140	250	84	360
Weight	[lb]	[84]	[104]	[93]	[150]	[309]	[551]	[185]	[794]



# **FAST DELIVERY PROGRAM** FOR MOTORS, PUMPS AND VALVES





Visit our dedicated web page www.poclain-hydraulics.com/en/services/phast



> The sales of PHast are subject to Poclain Hydraulics' General Terms & Conditions of sales.

#### MS and MI Motors

Poclain Hydraulics is committed to supplying a number of standard motors within 15 business days, excluding transport.

Making their selection from a predetermined list of motors, machine manufacturers can choose from wheel motors (for sizes 02 to 125) or shaft motors (for sizes 11 to 125), in a fixed displacement or double displacement version, with or without a brake. All motors are equipped with a pre-disposition for speed sensor. Pre-configured motors are equipped to guarantee a maximum level of performance.

## > Order limited to four PHast motors, per motor size.

#### Motor types

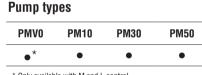
MS02-E02	MS05-E05	MS08-E08	MS11-E11	MS18-E18	MS35	MS50	MS83	MS125
٠	•	٠	٠	٠	٠	٠	٠	٠

#### PM pumps

Poclain Hydraulics is committed to supplying a number of standard pumps within 10 business days, excluding transport.

Making their selection from a predetermined list of pumps, machine manufacturers can choose from pumps with mechanical servo control (A) or hydraulic servo control (S) or electro proportional servo control (P) or electro proportional servo control with feeback (Q). All pumps are equipped with a high pressure relief valve setting, internal charge pump and charge relief valve setting, SAE A flange for the auxiliary mounting pad and a flushing valve.

# > Order limited to one pump per part number per customer and per month.



MI250

<sup>•</sup> Only available with M and L control





#### **Open Loop Valves**

Poclain Hydraulics is committed to supplying a number of standard valves within 5 business days, excluding transport.

# > Up to 5 pieces for each part number delivery within 5 days max. > Up to 50 pieces for each part number delivery up to 4 weeks.

#### Valves type

Directional control valves	Bankable mounting	Vertical stacking	Chek valves	Pressure control valves	Flow control valves
KV-6K/2-6 KV-6/2-6					
KVC-3/2-10	KVM	KVM-VV-6	NOV		DTP
KV-8/3-6	OB-KVM-6	KVM-NDV-6	VP-NDV	VP-RT	TVTC
KVH-6/2 KV-4 Cetop KVC	ZB-KVM-6	KVM-NOV-6	VP-NOV		TVTP







# **A WORLDWIDE** SALES NETWORK



More than 200 distributors in the world



More information

To find the nearest distributor go to our dedicated web page www.poclain-hydraulics.com/en/contact-us/distributors





#### BRAZIL

POCLAIN HYDRAULICS LATIN AMERICA Rua Francisco Leitão, 469 Conj. 1508 - Pinheiros CEP 05414-020 São Paulo Tel. : +55 11 2615 8040

#### CHINA

POCLAIN HYDRAULICS CN Room 606 Block A of Building one Quanshitiandi Plaza No. A50 Wangjing West Road Chaoyang District Beijing, Post code: 100102 Tel.: +86.10.64.38.66.18

POCLAIN HYDRAULICS CO, LTD Factory Building n° 11, Phase II Shuhui Park N° 275 Qianpu Road, Songjiang District Shanghai 201611 Tel: +86 21 37 00 34 15

#### **CZECH REPUBLIC**

POCLAIN HYDRAULICS SRO Ksirova 186, CZ 619 000 Brno - Horni Herspice Tel. : +420 543 563 111

#### FINLAND

POCLAIN HYDRAULICS OY Vernissakatu 6 01300 Vantaa

#### FRANCE

POCLAIN HYDRAULICS FRANCE SAS Route de Compiègne 60410 Verberie Tel. : 03 44 40 78 64 03 44 40 79 66

POCLAIN HYDRAULICS FRANCE NANTES 57, rue des Vignerons 44220 Couëron Tel. : 02 40 85 52 52

POCLAIN HYDRAULICS FRANCE LYON 58, avenue Chanoine Cartellier Le Cleveland III Z.A. Les Basses Barolles 69230 Saint Genis Laval Tel : 04 78 56 67 44

#### GERMANY

POCLAIN HYDRAULICS GMBH Werner-von-Siemens-Str. 35 64319 Pfungstadt Tel. : +49 6157 / 9474-0

#### INDIA

POCLAIN HYDRAULICS PVT. LIMITED 3rd Floor, No 52, Agastya Arcade 80 Feet Road, Opposite MSR Hospital Bengaluru 560 094 Tel. : +91 80 4110 4499 +91 80 23417444

#### ITALY

POCLAIN HYDRAULICS SRL Via Remesina int, 190 41012 Carpi (Modena) Tel. : +39 059 655 0528

#### **JAPAN**

POCLAIN HYDRAULICS KK 4-2, Miyoshi cho, Naka ku, Yokohama, Kanagawa 231-0034 Tel. : +81-45-341-4420

POCLAIN HYDRAULICS KK #709, in Toyo Building, 3-2-5, Hachiman-dori, Chuou-ku, Kobe-shi, Hyogo-ken, 651-0085 Tel: +81 78 891 4446

#### **KOREA**

POCLAIN HYDRAULICS YH #104-1010 Sindorim Prugio 337 Sindorim-dong, Guro-gu, Séoul, 152-748 Tel. : +82 2 3439 7680

#### **NETHERLANDS**

POCLAIN HYDRAULICS BENELUX BV Florijnstraat 9 4879 AH Etten-Leur Tel. : +31 76 502 1152

#### **RUSSIAN FEDERATION**

POCLAIN RUS, LLC Novaya Basmannaya street, 28, building 2, office 12 105066 Moscow Tel. : +7 (495) 105 9301

#### **SINGAPORE**

POCLAIN HYDRAULICS PTE LTD 10 Anson Road #35 - 10 International Plaza, 079903 Tel. : +65 6220 1705

#### **SLOVENIA**

POCLAIN HYDRAULICS DOO Industrijska ulica 2 SI-4226 Ziri Tel. : +386 (0)4 51 59 100

#### **SOUTH AFRICA**

POCLAIN HYDRAULICS SOUTH AFRICA Durban, KZN Tel. : +27 82 300 0584

#### **SPAIN**

POCLAIN HYDRAULICS SL C/ Isaac Peral nº8-10, Local nº3 08960 - Sant Just Desvern (Barcelona) Tel. : +34 934 095 454

#### **SWEDEN**

POCLAIN HYDRAULICS AB Sjöängsvägen 10 19272 Sollentuna Tel.: +46 8 590 88 050

#### THAILAND

POCLAIN HYDRAULICS PTE LTD 2/51 BangNa Complex ; 11th Floor, Thosapol Land Building 4 Soi Banga Trat 25, Bangna, Bangkok 101260 Tel. : +66 (0) 2173 6026 Ext. 220

#### **UNITED KINGDOM**

POCLAIN HYDRAULICS LTD Nene Valley Business Park Oundle, Peterborough, Cambs PE8 4HN Tel. : +44 183 227 3773

#### USA

POCLAIN HYDRAULICS INC 1300 N. Grandview Parkway PO BOX 801 WI 53177 Sturtevant Tel. : +1.262.321.0676 5720/5721



World Leading Specialist In Hydrostatic Transmissions





www.poclain-hydraulics.com

