

SECTION C

PISTON PUMPS & MOTORS

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PLATA LVP30



Variable displacement axial piston pumps. These pumps are the optimal solution for open circuit applications.

PLATA pumps are available with a wide range of control options.

The pump shaft is designed for both radial and axial loads, and supports full torque transmission in multiple unit configurations.

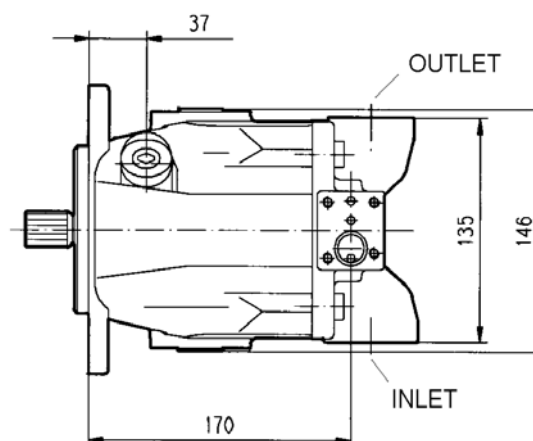
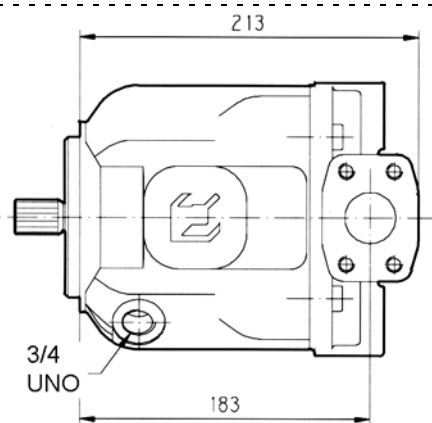
Displacement CC/REV	PRESSURE BAR			MAX SPEED RPM	PORTS		MOUNT INPUT
	CONT.	INT.	PEAK.		IN CODE 61	OUT CODE 62	
29	280	315	350	3000	1 1/4"	3/4"	SAE "B" 2 BOLT

MODEL	Rotation	SHAFT	PORTS	Regulator	Aux. Mount. Options	List Price
LVP30D-04S5-L-RPO	CW	7/8" x 13T SPLINE	SIDE	PRESS. COMP	None	\$POA
LVP30D-04S5-L-RPO-E-A	CW	7/8" x 13T SPLINE	SIDE	PRESS. COMP	Max. Disp. limiter SAE "A" Aux Mount	\$POA
LVP30D-04S5-L-LSO	CW	7/8" x 13T SPLINE	SIDE	LOAD SENSE	None	\$POA
LVP30D-04S5-L-LSO-E-A	CW	7/8" x 13T SPLINE	SIDE	LOAD SENSE	Max Disp. limiter SAE "A" Aux. Mount.	\$POA

The above pricing is typical, however the options are numerous, so please contact the Sales Centre for the correct price of a unit to suit your particular needs.

NB: Side Ported Units are our stock line, however rear ported units are available.

OPTIONS	
32	7/8" KEYED SHAFT
LS2	LOAD SENSE REMOTE CONTROL
RNO	TORQUE LIMITER
S	PROPORTIONAL FLOW SERVO CONTROL
SE	PROPORTIONAL FLOW SERVO CONTROL WITH INTEGRAL ELECTRONICS
U	UNLOADING VALVE
E	MAX. DISPLACEMENT LIMITER
F	MIN. DISPLACEMENT LIMITER
G	MIN & MAX DISPLACEMENT LIMITER
AS3	SAE 'A' INTERFLANGE
AS5	SAE 'B' INTERFLANGE



STD CW PUMP WITHOUT CONTROLS AND AUX PAD SHOWN

PLATA LVP48

Variable displacement axial piston pumps. These pumps are the optimal solution for open circuit applications.

PLATA pumps are available with a wide range of control options.

The pump shaft is designed for both radial and axial loads, and supports full torque transmission in multiple unit configurations.



Displacement CC/REV	PRESSURE BAR			MAX SPEED RPM	PORTS		MOUNT INPUT
	CONT.	INT.	PEAK.		IN CODE 61	OUT CODE 62	
46	280	315	350	2600	1 1/2"	1"	SAE "B" 2 BOLT

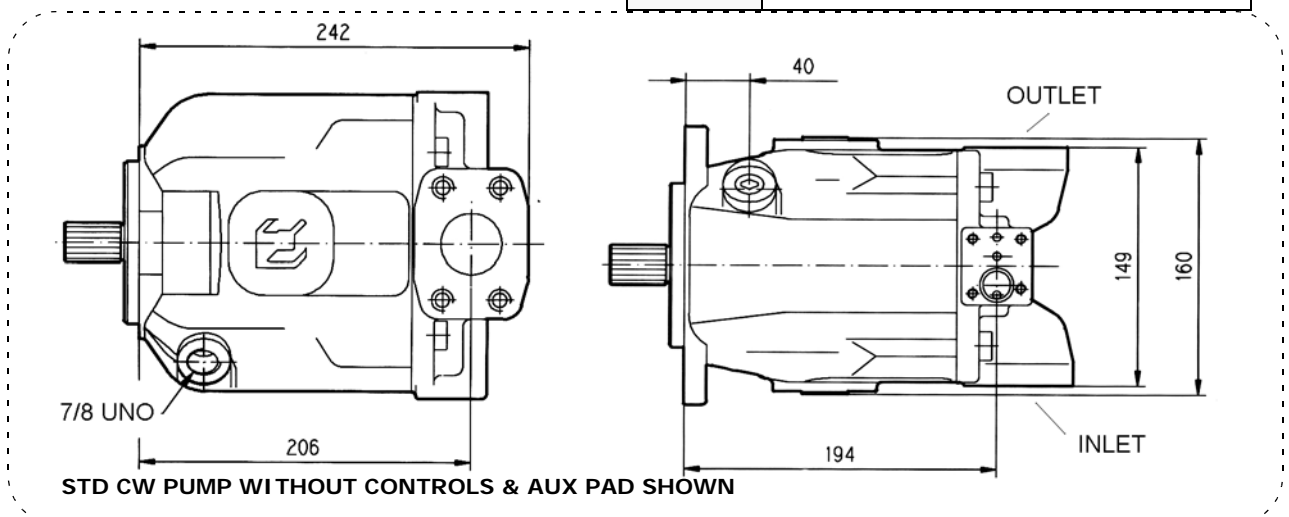
MODEL	Rotation	SHAFT	PORTS	Regulator	Aux. Mount. Options	List Price
LVP48D-05S5-L-RPO	CW	1" X 15T SPLINE	SIDE	PRESS. COMP	None	\$POA
LVP48D-05S5-L-RPO-E-A	CW	1" X 15T SPLINE	SIDE	PRESS. COMP	Max. Disp. limiter SAE "A" Aux Mount	\$POA
LVP48D-05S5-L-LSO	CW	1" X 15T SPLINE	SIDE	LOAD SENSE	None	\$POA
LVP48D-05S5-L-LSO-E-A	CW	1" X 15T SPLINE	SIDE	LOAD SENSE	Max Disp. limiter SAE "A" Aux. Mount.	\$POA

NB: COUNTER CLOCKWISE PUMPS ARE ALSO AVAILABLE UPON REQUEST

The above pricing is typical, however the options are numerous, so please contact the Sales Centre for the correct price of a unit to suit your particular needs.

NB: Side Ported Units are our stock line, however rear ported units are available.

OPTIONS	
33	1" KEYED SHAFT
LS2	LOAD SENSE REMOTE CONTROL
RNO	TORQUE LIMITER
S	PROPORTIONAL FLOW SERVO CONTROL
SE	PROPORTIONAL FLOW SERVO CONTROL WITH INTEGRAL ELECTRONICS
U	UNLOADING VALVE
E	MAX. DISPLACEMENT LIMITER
F	MIN. DISPLACEMENT LIMITER
G	MIN & MAX DISPLACEMENT LIMITER
AS3	SAE 'A' INTERFLANGE
AS5	SAE 'B' INTERFLANGE



PLATA LVP75



Variable displacement axial piston pumps. These pumps are the optimal solution for open circuit applications.

PLATA pumps are available with a wide range of control options.

The pump shaft is designed for both radial and axial loads, and supports full torque transmission in multiple unit configurations.

Displacement CC/REV	PRESSURE BAR			MAX SPEED RPM	PORTS		MOUNT INPUT
	CONT.	INT.	PEAK.		IN CODE 61	OUT CODE 62	
73	280	315	350	2200	2"	1 1/4"	SAE "C" 2 BOLT

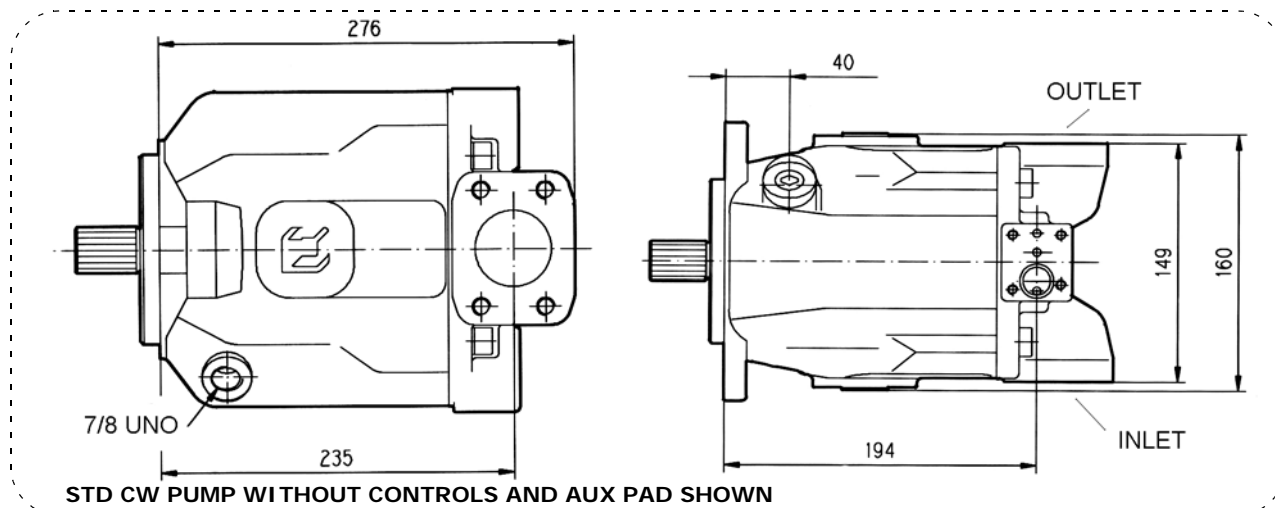
MODEL	Rotation	SHAFT	PORTS	Regulator	Aux. Mount. Options	List Price
LVP75D-06S7-L-RPO	CW	1.1/4" X 14 TOOTH	SIDE	PRESS. COMP	None	\$POA
LVP75D-06S7-L-RPO-E-B	CW	1.1/4" X 14T SPLINE	SIDE	PRESS. COMP	Max. Disp. limiter SAE "B" Aux Mount	\$POA
LVP75D-06S7-L-LSO	CW	1.1/4" x 14T SPLINE	SIDE	LOAD SENSE	None	\$POA
LVP75D-06S7-L-LSO-E-B	CW	1.1/4" x 14T SPLINE	SIDE	LOAD SENSE	Max Disp. limiter SAE "B" Aux. Mount.	\$POA

NB: COUNTER CLOCKWISE PUMPS ARE ALSO AVAILABLE UPON REQUEST.

The above pricing is typical, however the options are numerous, so please contact the Sales Centre for the correct price of a unit to suit your particular needs.

NB: Side Ported Units are our stock line, however rear ported units are available.

OPTIONS	
34	1.1/4" KEYED SHAFT
LS2	LOAD SENSE REMOTE CONTROL
RNO	TORQUE LIMITER
S	PROPORTIONAL FLOW SERVO CONTROL
SE	PROPORTIONAL FLOW SERVO CONTROL WITH INTEGRAL ELECTRONICS
U	UNLOADING VALVE
E	MAX. DISPLACEMENT LIMITER
F	MIN. DISPLACEMENT LIMITER
G	MIN & MAX DISPLACEMENT LIMITER
AS1	SAE 'A' INTERFLANGE
AS5	SAE 'B' INTERFLANGE
AS7	SAE 'C' INTERFLANGE





Southcott Axial Piston Pumps & Motors



Transmission Pumps - Closed Loop

Series 22 and 33

Developed to meet the modern requirements of high pressures and speeds in hydrostatic transmissions for off-road vehicles, the Southcott 22 and 33 series pumps provide lightweight and compact primary units for applications to 22KW input, at speeds up to 3000 rpm.

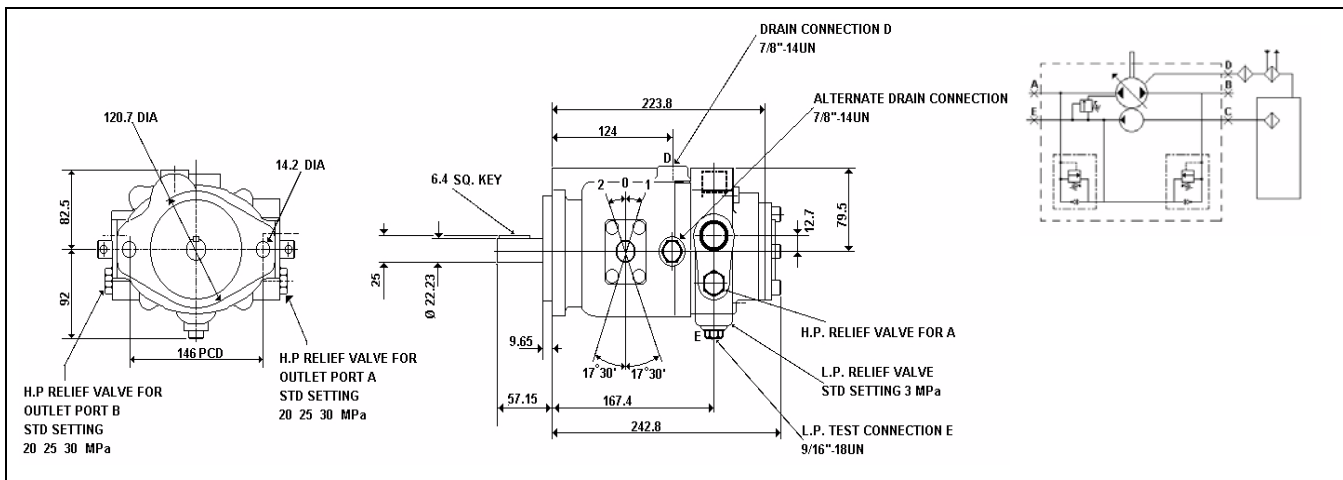
The 22 and 33 Series are axial piston units of the variable delivery, over-centre type and are designed as composite pump packages for application in closed circuit with all types of hydraulic motors.

The pumps incorporate a charging pump, check valves and a low pressure relief valve for closed circuit replenishment and system cooling. Two differential piston type high pressure relief valves are also provided for operating pressure limitation on each side of the circuit.

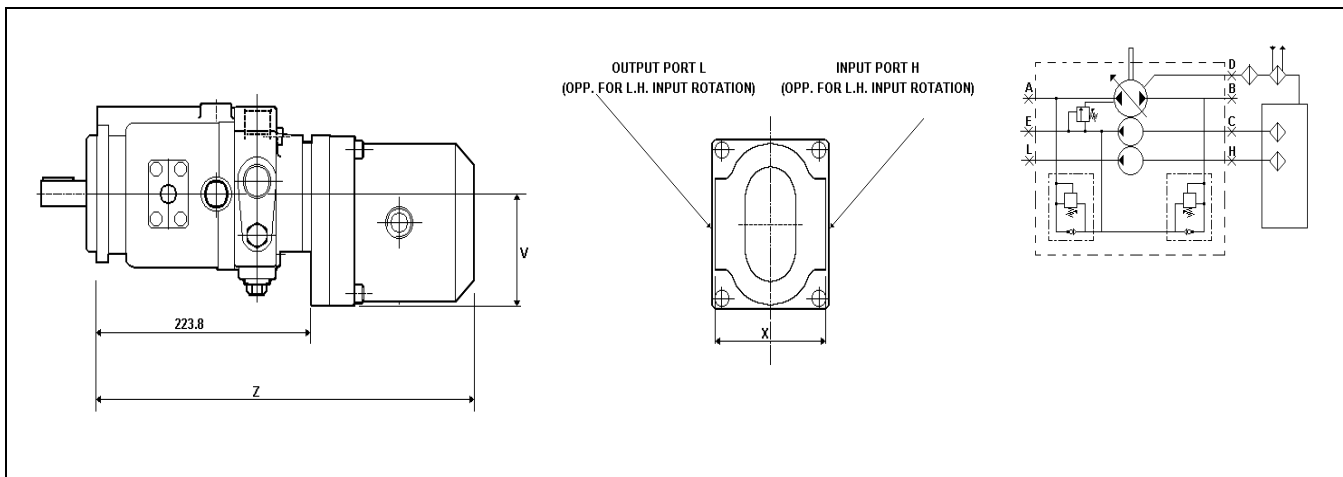
The pumps are intended for direct coupling to prime movers and are furnished with a two bolt flange mounting to SAE 'B' standard. Plain keyed or splined shafts are optional.

PERFORMANCE DATA						
SERIES	DISP CC/REV	CONT. PRESS BAR	INT. PRESS BAR	MAX SPEED RPM	MAX. CASE PRESS BAR	WEIGHT Kg
22	22	200	300	3000	3	19
33	33	200	300	3000	3	19

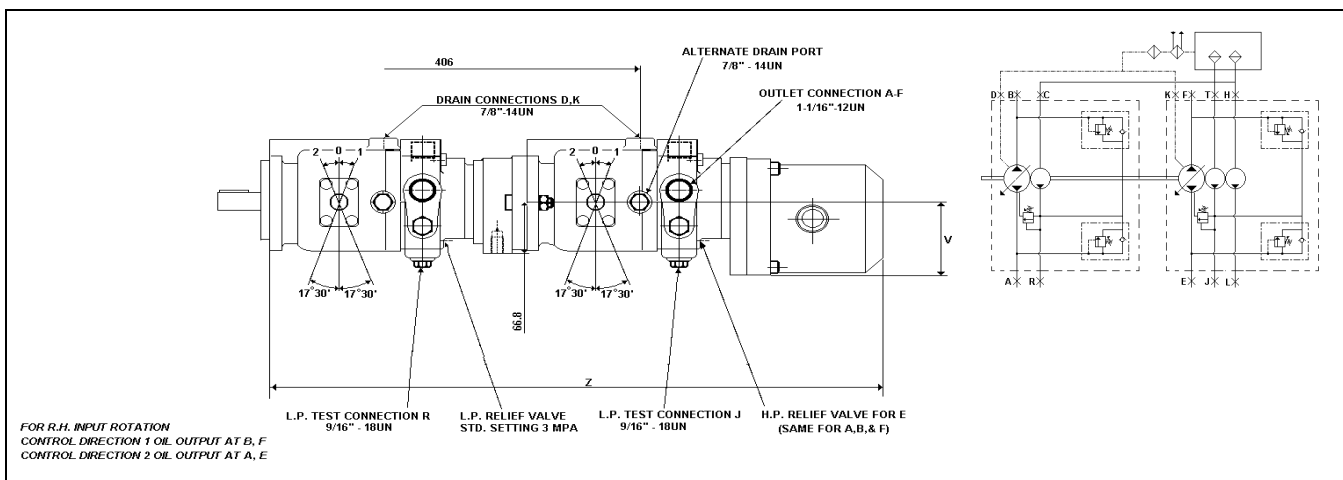
SINGLE TRANSMISSION PUMP



TRANSMISSION PUMP WITH ANCILLIARY PUMP



DOUBLE TRANSMISSION PUMP WITH ANCILLIARY PUMP



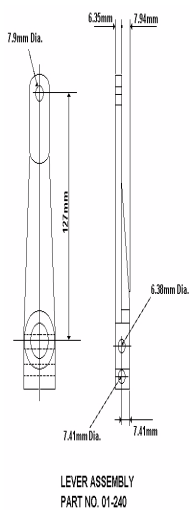
ORDERING CODE

T 3 3 1 D - 30 - 3C - P8 - R

Type
T = Transmission Pump
Mark Number = 3
Size
2 = 22 cc/rev
3 = 33 cc/rev
Shaft
1 = Keyed 7/8"
2 = Splined (B) 13 TOOTH X 7/8"
3 = Splined (B-B) (std. for GB) 15 TOOTH X 1"
Control trunnion (Viewed from shaft)
R = Right hand
L = Left hand
D = Double (Standard)
(Viewed from shaft end)
Main Relief Valve
Standard Settings
15 = 150 BAR
20 = 200 BAR
25 = 250 BAR
30 = 300 BAR

Rotation
R = Right hand
L = Left hand
(Viewed from shaft end)
Ancillary Circuit
P4 = 4.8 cc/rev (G2)
P6.3 = 6.5 cc/rev (G2)
P8 = 8.3 cc/rev (G2)
P11.2 = 11.1 cc/rev (G2)
P14 = 14.4 cc/rev (G2)
P16 = 16.6 cc/rev (G2)
P20 = 20.8 cc/rev (G2)
P25 = 26 cc/rev (G2)
P27 = 27 cc/rev (G2)
P34 = 34 cc/rev (G3)
E2 = Group 2 Adaptor
E3 = Group 3 Adaptor
GB = SAE B Adaptor (1st Pump)
(Omit if not required)
Boost Capacity/Pressure
1C = 15 cc/rev, 4 BAR (STD)
2C = 15 cc/rev, 7 BAR
3C = 10 cc/rev, 4 BAR
4C = 10 cc/rev, 7 BAR
5C = 10 cc/rev, 13 BAR

NB: FOR DOUBLE PUMPS CHOOSE A "GB" OPTION IN THE FIRST PUMP CODE AND A SECOND PUMP WITH A CODE 2 SPLINED INPUT SHAFT.



DESCRIPTION	MODEL - TYPICAL	PRICE
Single Pump Only	T332D-30-3C-R	\$POA
Single Pump with 'E2" PLP20 Anc. Pump Flange	T332D-30-3C-E2-R	\$POA
Single Pump with 'E3" PLP30 Anc. Pump Flange	T332D-30-3C-E3-R	\$POA
Single Pump with 'GB" SAE 'B' Anc. Pump Flange (1st pump)	T333D-30-3C-GB-R	\$POA
Single Pump with P4 cc/rev Anc. Pump	T332D-30-3C-P4-R	\$POA
Single Pump with P6.3 cc/rev Anc. Pump	T332D-30-3C-P6-R	\$POA
Single Pump with P8 cc/rev Anc. Pump	T332D-30-3C-P8-R	\$POA
Single Pump with P11 cc/rev Anc. Pump	T332D-30-3C-P11-R	\$POA
Single Pump with P14 cc/rev Anc. Pump	T332D-30-3C-P14-R	\$POA
Single Pump with P16 cc/rev Anc. Pump	T332D-30-3C-P16-R	\$POA
Single Pump with P20 cc/rev Anc. Pump	T332D-30-3C-P20-R	\$POA
Single Pump with P25 cc/rev Anc. Pump	T332D-30-3C-P25-R	\$POA
Single Pump with P27 cc/rev Anc. Pump	T332D-30-3C-P27-R	\$POA
Single Pump with P34 cc/rev Anc. Pump	T332D-30-3C-P34-R	\$POA
Control Lever -	01-240	\$POA

SOUTHCOTT OPEN CIRCUIT PISTON PUMPS



PUMPS: Variable delivery open circuit, unidirectional with 2 basic control options; - manual lever and pressure compensator.

Manual lever controlled pumps are useful for those applications which require variable output speeds from an open circuit system. Pressure compensator pumps are commonly used with pressure port closed valving on multifunction systems.

Pressure compensator units are available with remote pressure control and with means for externally adjusting the maximum and minimum displacement.

When used with a minimum displacement limit they are ideal for HIGH-LOW systems for presses etc.

MOTORS: These units can also be used as variable motors in open or closed circuits. The displacement is controlled by a manual lever.

VP Series

SPECIFICATIONS

Displacement	22 = 22 cc/rev 33 = 33 cc/rev	Max. Op. Press = 210 BAR (3000 psi)
Pump max. input speed at a negative inlet Pressure of 127mm HG (5" HG) = 2000 rpm		Compensator = 20 - 100 BAR (290 - 1450 psi) Pressure Ranges = 70 - 210 BAR (1000 - 3000 psi) Max. case press = 3 BAR (45 psi)
Pump max. input speed at a positive inlet Pressure of .7 BAR (10 psi) = 3000 rpm		Mounting = SAE "B" 2 Bolt
		Shaft = 7/8" Keyed = 13 Tooth x 7/8" Spline
Motor max. output speed = 3000 rpm		Weight = 17Kg

ORDERING CODE

VP - 33 - 1 - C1 - L - R

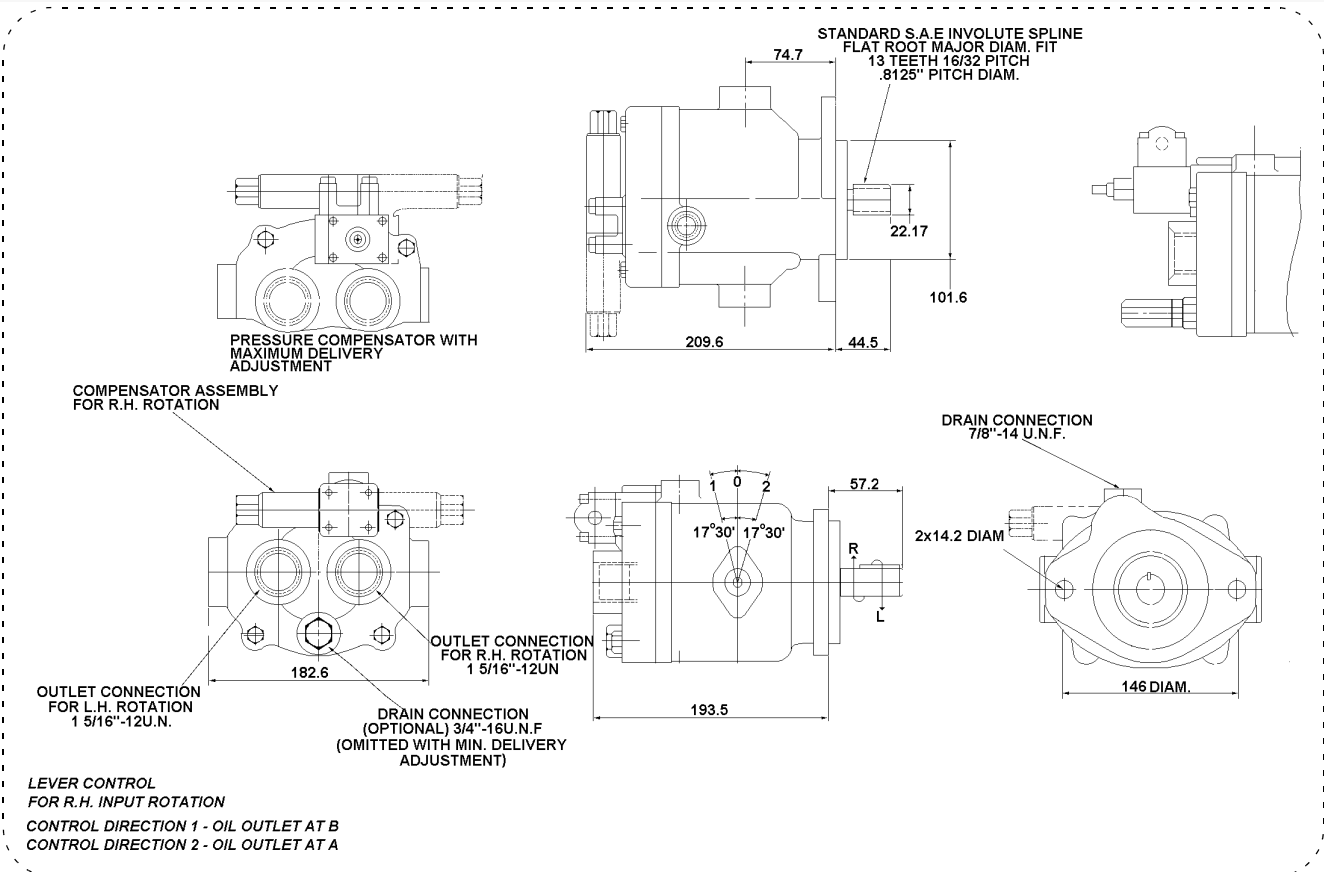
Type
VP = Variable Pump
VM = Variable Motor
Displacement
22 = 22 cc/rev
33 = 33 cc/rev
Shaft
1 = Keyed 7/8" Parallel
2 = Splined 13 Tooth x 7/8" Spline

Rotation
R = Clockwise
L = Counter Clockwise
Compensator Options
H = max. Displacement Adjustment
L = Min. Displacement Adjustment
(Omit if not required)
Displacement Control
D = Manual Lever
C1 = Pressure Compensator 20 - 100 BAR
C2 = Pressure Compensator 70 - 200 BAR
CR = Remote Pressure Control

NB: H or L settings to be also stated at a percentage of full displacement

VP Series

PRESSURE COMPENSATOR PUMPS

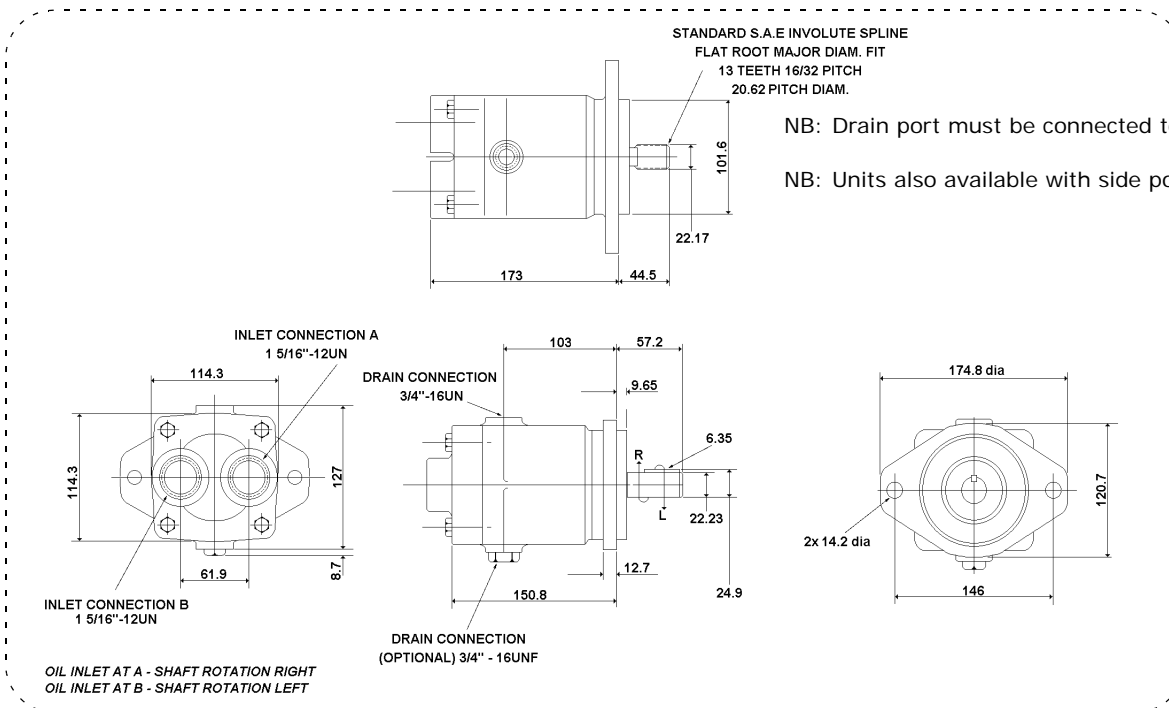


Type	CONTROL DESCRIPTION	SHAFT	MODEL - TYPICAL	PRICE
Pump	Manual Lever	Keyed	VP-33-1-D-R	\$POA
		Splined	VP-33-2-D-R	\$POA
Pump	Pressure Compensator	Keyed	VP-33-1-C1-R	\$POA
		Splined	VP-33-2-C1-R	\$POA
Pump	Pressure Compensator with remote Pressure Control	Keyed	VP-33-1-CR-R	\$POA
		Splined	VP-33-2-CR-R	\$POA
Pump	Press. Comp. with Max. Displacement	Keyed	VP-33-1-C1-H-R	\$POA
		Splined	VP-33-2-C1-H-R	\$POA
Pump	Press. Comp. with Min. Displacement (Hi-Low)	Keyed	VP-33-1-C1-L-R	\$POA
		Splined	VP-33-2-C1-L-R	\$POA
Pump	Press. Comp. with Max. and Min. Displacement	Keyed	VP-33-1-C1-HL-R	\$POA
		Splined	VP-33-2-C1-HL-R	\$POA
Motor	Manual Lever	Keyed	VM-33-1-D-B	\$POA
		Splined	VM-33-2-D-B	\$POA
Lever	Control Lever (not included with pumps)	N/A	01-240	\$POA



FM Series

These units are designed for use as bi-rotational closed circuit transmission motors or as unidirectional open circuit pumps or motors.



PERFORMANCE DATA							
SERIES	DISP CC/REV	CONT. PRESS BAR	INT. PRESS BAR	MAX SPEED AS PUMPS RPM		MAX. CASE PRESS BAR	WEIGHT Kg
				FLOODED	PRESSURISED To 0.7 BAR		
22	22	200	300	2000	3000	3	10
33	33	200	300	2000	3000	3	10

ORDERING CODE

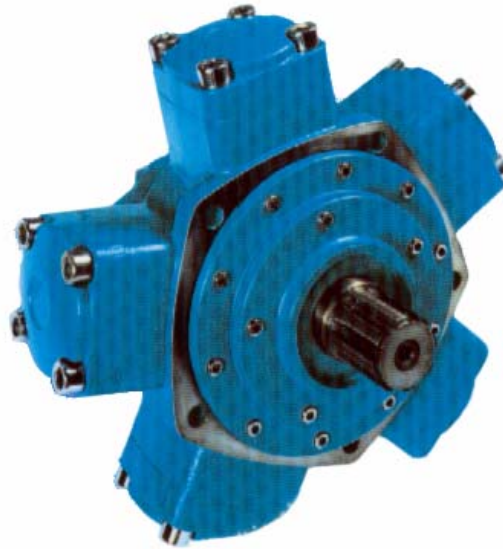
FM - 33 - 1 - 1

Type
Displacement
22 = 22 cc/rev
33 = 33 cc/rev

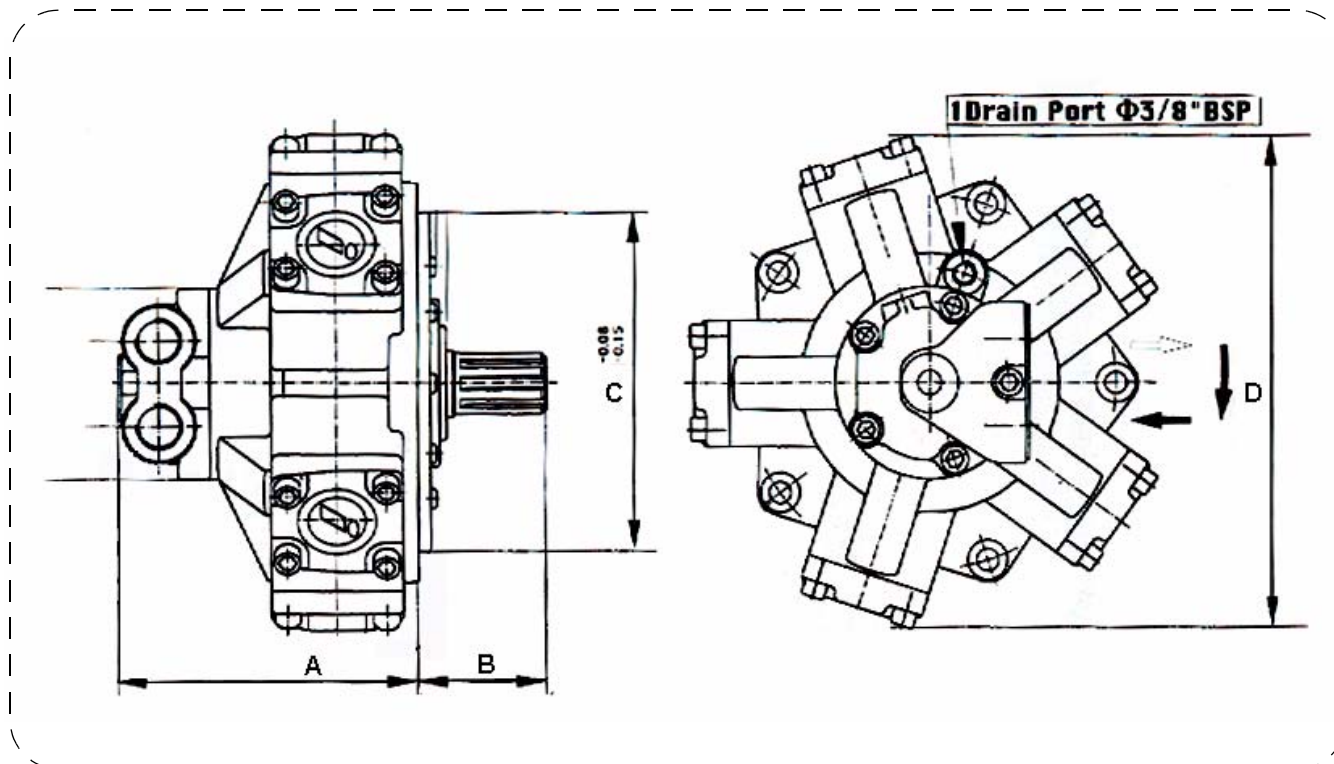
Ports
1 = Rear Ports 1-5/16 UNO
2 = Side Ports 1 -1/16 UNO
Shaft
1 = 7/8" Keyed
2 = 13 Tooth x 7/8 Spline

MODEL	DESCRIPTION	PRICING
FM-33-1-1	KEYED SHAFT REAR PORTED	\$POA
FM-33-1-2	KEYED SHAFT SIDE PORTED	\$POA
FM-33-2-1	SPLINE SHAFT REAR PORTED	\$POA
FM-33-2-2	SPLINE SHAFT SIDE PORTED	\$POA

RADIAL PISTON MOTORS



- HIGH EFFICIENCY:** A special designed seal ring in the cylinder barrels and the patented distributor valve ensures the high volumetric efficiency of the Intermot motor.
- LOW NOISE:** The patented distributor valve ensures low noise and smooth running.
- LONG LIFE:** Oversized bearings on the cam and tapered roller bearings on the shaft ensure long life.
- MODULARITY:** The cylinder barrel is a separate component to the housing providing easy placement or displacement change within the same housing group.
- DISPLACEMENT CHOICE:** Intermot motors have an extensive compatibility choice in displacements. Intermot can supply at short notice motors which are interchangeable with other major brands.
- TACHO/SPEED SENSING:** All Intermot motors can be supplied either with a back connection tachometer or an electronic speed transducer.



DIMENSIONAL DATA

HOUSING	PORTS	DIMENSION				SHAFT	
		A	B	C	D	SPLINE 'A0'	PARALLEL 'A2'
H1	1"BSPP	201	59	172	305	6 TOOTH X 32MM	32MM X 10MM KEY
H2	1"BSPP	218	79	190	341	8 TOOTH X 38MM	38MM X 10MM KEY
H3	1"BSPP	242	90	230	386	8 TOOTH X 42MM	42MM X 12MM KEY
H4	1"BSPP	256	104	256	452	8 TOOTH X 50MM	50MM X 14MM KEY
H5	1"CODE 61 FLANGE	322	148	301.6	545	8 TOOTH X 72MM	60MM X 18MM KEY
H6	1.1/2"CODE 62 FLANGE	379	156	381	667	10 TOOTH X 92MM	85MM X 24MM KEY
H7	1.1/2"CODE 62 FLANGE	399	138	457.1	750	20 TOOTH	85MM X 24MM KEY

Important Information

1. It is necessary to fill the motor case with hydraulic fluid through the case drain port prior to start-up.
2. The case must be connected to the tank.
3. Maximum case pressure is 7 BAR.
4. For applications at continuous high speed it is recommended to flush the motor case.
5. A filter of 10 microns is required.
6. Maximum operating temperature should not exceed 70°C

SPLINED BILLET	PRICE
H1-26X32	\$POA
H2-32X38	\$POA
H3-36X42	\$POA
H4-46x54	\$POA
H5-62X72	\$POA
H6-82X92	\$POA
H7-20T	\$POA

INTERMOT MOTORS are also available with mounting and shaft details which Interface with: Calzoni, Staffa, SAI & Bignozzi

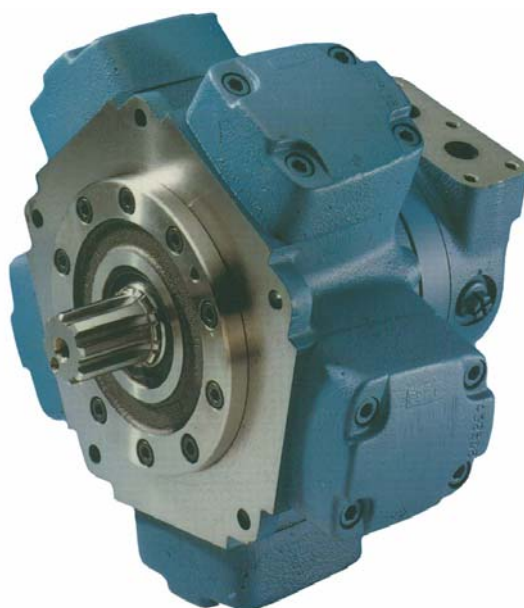
Intermot Price Table

MODEL	DISP. CC/REV	HOUSING	CONT. PRESS. BAR	INT. PRESS. BAR	MAX SPEED RPM	TORQUE NM/BAR	LIST PRICE
IAM-100-H1-A0-D40	113	H1	210	280	950	1.8	\$POA
IAM-150-H1-A0-D40	157	H1	210	280	820	2.5	\$POA
IAM-175-H1-A0-D40	176	H1	210	280	800	2.8	\$POA
IAM-195-H1-A0-D40	195	H1	210	280	800	3.1	\$POA
IAM-200-H2-A0-D40	201	H2	210	280	800	3.19	\$POA
IAM-250-H2-A0-D40	254	H2	210	280	750	4.0	\$POA
IAM-300-H2-A0-D40	289	H2	210	280	750	4.6	\$POA
IAM-350-H2-A0-D40	361	H2	210	280	650	5.75	\$POA
IAM-400-H3-A0-D40	397	H3	210	280	600	6.31	\$POA
IAM-450-H3-A0-D40	452	H3	210	280	600	7.18	\$POA
IAM-500-H3-A0-D40	490	H3	210	280	600	7.79	\$POA
IAM-600-H3-A0-D40	593	H3	210	280	550	9.43	\$POA
IAM-700-H3-A0-D40	706	H3	190	240	500	11.2	\$POA
IAM-800-H3-A0-D40	818	H3	170	210	450	13.0	\$POA
IAM-700-H4-A0-D40	714	H4	210	280	500	11.3	\$POA
IAM-800-H4-A0-D40	792	H4	210	280	450	12.5	\$POA
IAM-900-H4-A0-D40	903	H4	210	280	450	14.3	\$POA
IAM-1000-H4-A0-D40	995	H4	210	280	330	15.8	\$POA
IAM-1000-H5-A0-D75	1054	H5	210	280	350	16.7	\$POA
IAM-1200-H5-A0-D75	1205	H5	230	300	300	19.11	\$POA
IAM-1400-H5-A0-D75	1375	H5	210	280	350	21.8	\$POA
IAM-1600-H5-A0-D75	1648	H5	210	280	300	26.2	\$POA
IAM-1800-H5-A0-D75	1814	H5	210	280	250	28.8	\$POA
IAM-2000-H5-A0-D75	2034	H5	190	230	250	32.3	\$POA
IAM-2200-H5-A0-D75	2219	H5	175	210	220	35.3	\$POA
IAM-2400-H5-A0-D75	2419	H5	175	210	220	38.3	\$POA
IAM-2500-H6-A0-D90	2524	H6	210	260	220	40.0	\$POA
IAM-2800-H6-A0-D90	2806	H6	210	260	200	44.6	\$POA
IAM-3000-H6-A0-D90	2983	H6	210	260	200	47.5	\$POA
IAM-3200-H6-A0-D90	3202	H6	210	260	200	51.0	\$POA
IAM-3500-H6-A0-D90	3479	H6	210	260	150	55.3	\$POA
IAM-3900-H7-A0-D90	3906	H7	210	260	170	62.1	\$POA
IAM-4300-H7-A0-D90	4343	H7	210	260	170	69.0	\$POA
IAM-4600-H7-A0-D90	4615	H7	210	260	170	73.5	\$POA
IAM-5400-H7-A0-D90	5383	H7	210	260	150	85.5	\$POA

NB: The above listed models are standard spline shaft, parallel shaft units are the same price, replace 'A0' in the Part No. with 'A2'.

RADIAL HYDRAULIC PISTON MOTOR MRCN & MRC SERIES

MRCN Series



Wide range of displacements available

Very high starting torque

Smooth rotation even at low speed

Very low noise level

Good resistance to thermal shock

Reversible

The outstanding performance of this motor is the result of an original and patented design. The principle is to transmit the effort from the stator to the rotating shaft (2) by means of a pressurised column of oil (A) instead of the more common connecting rods, pistons, pads and pins.

This oil column is contained by a telescopic cylinder (1) with a mechanical connection at the lips at each end which seal against the spherical surfaces (3) of the cylinder-heads (4) and the spherical surface of the rotating shaft.

These lips retain their circular cross section when stressed by the pressure so there is no alteration in the sealing geometry. The particular selection of the materials and optimisation of design has minimised both the friction and the leakage.

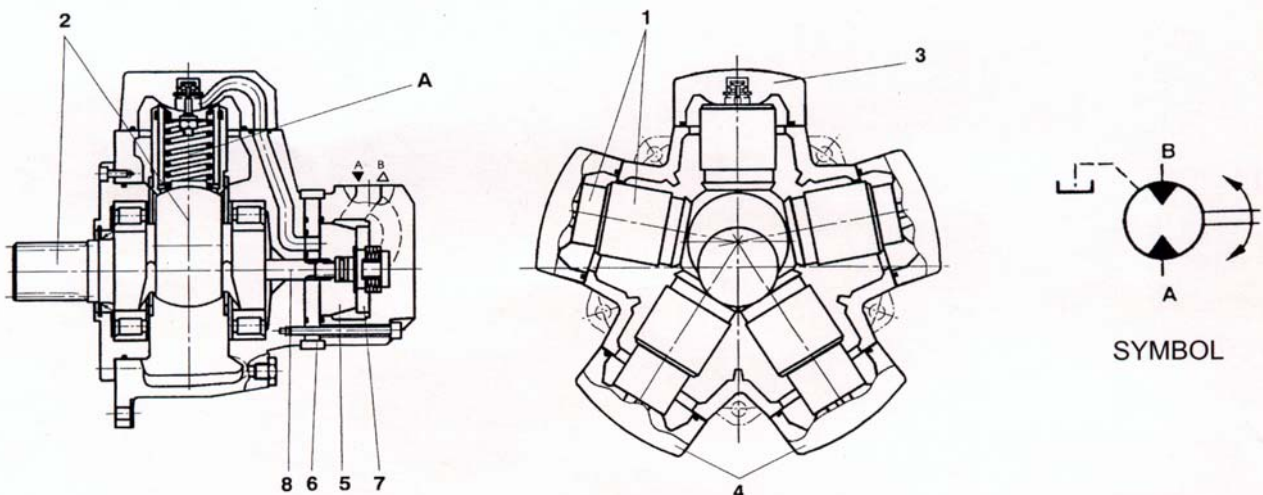
Another advantage of this design stems from the elimination of any connecting rods, the cylinder can only expand and retract linearly so there are no transverse components of the thrust. This means no oval wear on the moving parts and no side forces on the cylinder joints.

A consequence of this novel design is a significant reduction in weight and overall size compared with other motors of the same capacity.

The timing system is realised by means of a rotary valve (5) driven by the rotary valve driving shaft (8) that is connected to the rotating shaft.

The rotary valve rotates between the rotary valve plate (6) and the reaction ring (7) which are fixed with the motor's housing. This timing system is also of a patented design being pressure balanced and self compensating for thermal expansion.

The advantages of this type of valve coupled with a revolutionary cylinder arrangement produce a motor with extremely high values of mechanical and volumetric efficiency. The torque output is smooth even at very low speed and the motor gives a high performance starting under load.



MRCN SERIES

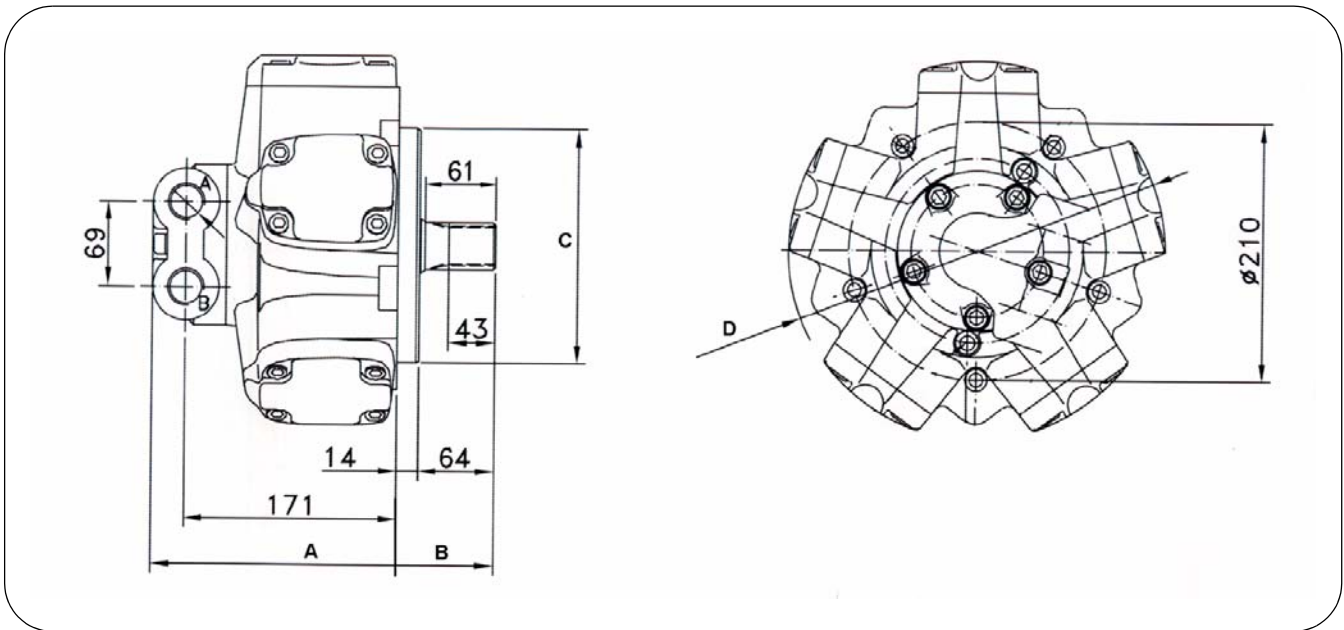
STANDARD DUTY

NB: Mount dimensions Are the same as Intermot Std. Series



MODEL	Displacement	Torque	Max. input pressure (BAR)			Max. Speed	Weight	PRICE
	cc/rev	NM/BAR	Cont.	Int.	Peak	rpm	Kg	
MRCN-200-B1-N	201	3.2	175	210	250	425	40	\$POA
MRCN-250-B1-N	249	4.0	175	210	250	425	40	\$POA
MRCN-300-B1-N	299	4.8	175	210	250	403	40	\$POA
MRCN-350-B1-N	349	5.6	175	210	250	384	40	\$POA
MRCN-400-B2-N	396	6.3	175	210	250	470	72	\$POA
MRCN-450-B2-N	452	7.2	175	210	250	450	72	\$POA
MRCN-500-B2-N	495	7.9	175	210	250	430	72	\$POA
MRCN-600-B2-N	594	9.5	175	210	250	410	72	\$POA
MRCN-700-B2-N	693	11.0	175	210	250	390	72	\$POA
MRCN-800-B3-N	792	12.6	175	210	250	320	94	\$POA
MRCN-850-B3-N	855	13.6	175	210	250	320	94	\$POA
MRCN-1000-B3-N	998	15.9	175	210	250	290	94	\$POA
MRCN-1100-B3-N	1099	17.5	175	210	250	270	94	\$POA
MRCN-1200-B3-N	1201	19.1	175	210	250	250	94	\$POA
MRCN-1250-B3-N	1242	19.8	175	210	250	240	94	\$POA

NB: The above model code includes a splined shaft, for a parallel shaft replace the "N" in the model code with a "P"



MRCN SERIES DIMENSIONAL DATA

HOUSING		DIMENSION				SHAFT		SPLINED BILLET	PRICE
FRAME	PORTS	A	B	C	D	SPLINE 'N'	PARALLEL 'P'		
B1	3/4" BSPP	199.5	78	190	306	8 TOOTH X 38MM	38MM X 10MM KEY	B1-32X38	\$POA
B2	3/4" BSPP	230	90	230	396	8 TOOTH X 42MM	42MM X 12MM KEY	B2-36X42	\$POA
B3	1" BSPP	249	104	256	435	8 TOOTH X 50MM	50MM X 14MM KEY	B3-46X50	\$POA

Important Information

1. It is necessary to fill the motor case with hydraulic fluid through the case drain port prior to start-up.
2. The case must be connected to the tank.
3. Maximum case pressure is 5 BAR.
4. For applications at continuous high speed it is recommended to flush the motor case.
5. A filter of 10 microns is required.
6. Maximum operating temperature should not exceed 70°C

MRC Series

HEAVY DUTY

HIGH PRESSURE

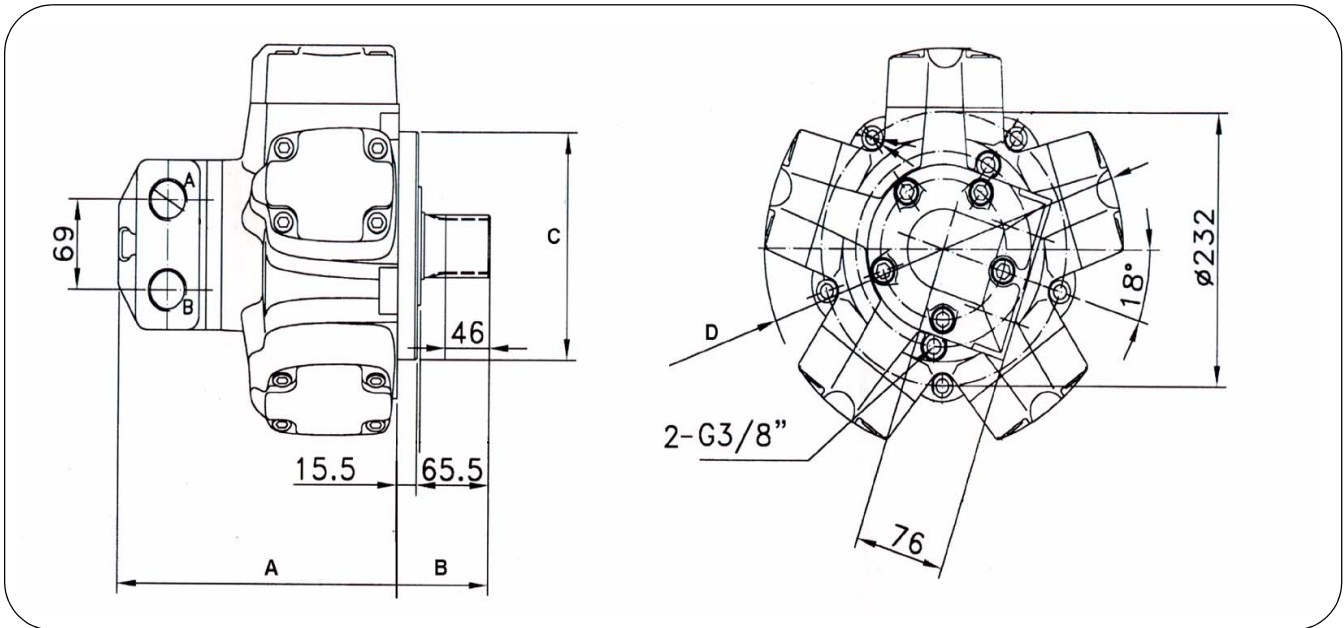
HIGH SPEED

NB: Mount Dimension are the same as Calzoni



MODEL	Displacement	Torque	Max. input pressure (BAR)			Max. Speed	Weight	PRICE
	cc/rev	NM/BAR	Cont.	Int.	Peak	rpm	Kg	
MRC-250-A1-N	249.3	4.0	210	250	300	650	52	\$POA
MRC-300-A1-N	307.5	4.9	210	250	300	620	52	\$POA
MRC-330-A1-N	332.4	5.3	210	250	300	600	52	\$POA
MRC-350-A1-N	349.0	5.6	210	250	300	590	52	\$POA
MRC-500-A2-N	498.6	7.9	210	250	300	500	98	\$POA
MRC-600-A2-N	611.2	9.7	210	250	300	450	98	\$POA
MRC-650-A2-N	659.5	10.5	210	250	300	445	98	\$POA
MRC-700-A2-N	707.7	11.3	210	250	300	440	98	\$POA
MRC-800-A2-N	804.3	12.8	210	250	300	430	98	\$POA
MRC-850-A2-N	852.5	13.6	210	250	300	410	98	\$POA
MRC-1000-A3-N	1016.0	16.2	210	250	300	350	140	\$POA
MRC-1050-A3-N	1060.3	16.9	210	250	300	340	140	\$POA
MRC-1150-A3-N	1148.7	18.3	210	250	300	320	140	\$POA
MRC-1200-A3-N	1237.0	19.7	210	250	300	300	140	\$POA
MRC-1400L-A3-N	1407.0	22.4	210	250	300	250	227	\$POA
MRC-1600-A4-N	1608.0	25.6	210	250	300	250	227	\$POA
MRC-1800-A4-N	1809.6	28.8	210	250	300	250	227	\$POA
MRC-2000-A5-N	2010.0	32.0	210	250	300	250	227	\$POA
MRC-2400-A5-N	2393.1	38.1	210	250	300	220	325	P.O.A
MRC-2800-A5-N	2792.1	44.5	210	250	300	200	325	
MRC-3100-A5-N	3103.7	49.4	210	250	300	200	325	

NB: The above model includes a splined shaft, for a parallel shaft replace the "N" in the model with a 'P'.



MRC SERIES DIMENSIONAL DATA

HOUSING		DIMENSION				SHAFT		SPLINED BILLET	PRICE
FRAME	PORTS	A	B	C	D	SPLINE 'N'	PARALLEL 'P'		
A1	1" BSPP	242	81	175	328	8 TOOTH X 48 MM	50MM X 14MM KEY	A1-42X48	\$POA
A2	1" BSPP	305	101	220	405	8 TOOTH X 60 MM	60MM X 18MM KEY	A2-52X60	\$POA
A3	1" BSPP	328	117	250	470	8 TOOTH X 72 MM	70MM X 20MM KEY	A3-62X72	\$POA
A4	MANIFOLD	371	132	290	558	8 TOOTH X 82 MM	80MM X 22MM KEY	A4-72X82	\$POA
A5	MANIFOLD	463	154.25	335	642	8 TOOTH X 92 MM	90MM X 25MM KEY	A5-82X92	\$POA

Important Information

1. It is necessary to fill the motor case with hydraulic fluid through the case drain port prior to start-up.
2. The case must be connected to the tank.
3. Maximum case pressure is 5 BAR.
4. For applications at continuous high speed it is recommended to flush the motor case.
5. A filter of 10 microns is required.
6. Maximum operating temperature should not exceed 70°C

