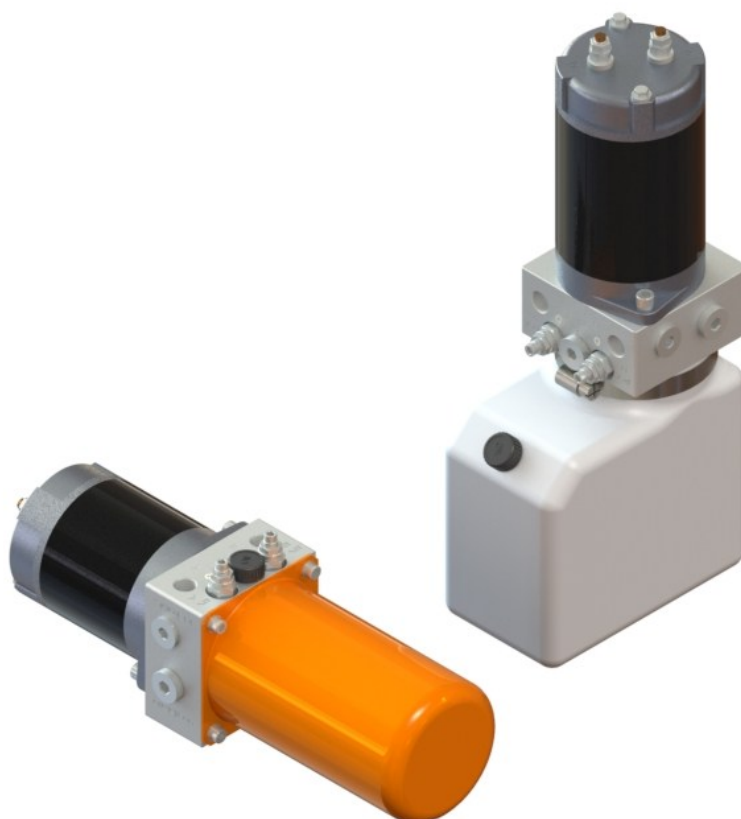


Si90-R

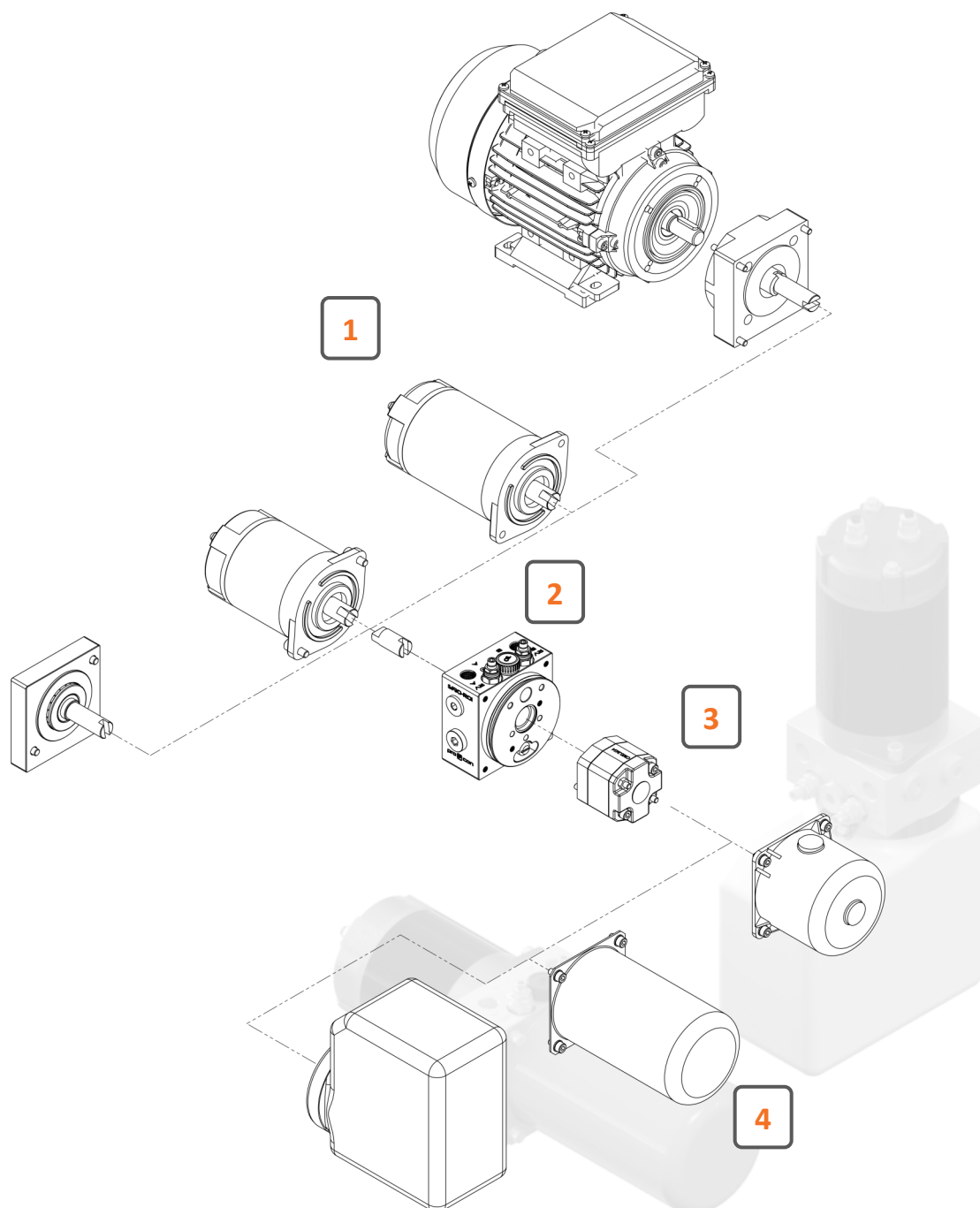
Reversible

Micro Power Pack



Si90-R

Position	1	2	3	4
Description	Motor / Starter Relay	Centre Manifold	Pump	Orientation , Tank and Filler
<i>Example Code :</i>				
R	A15-R	DH	38	H-B05
Page No.	2-3	4-5	6	7

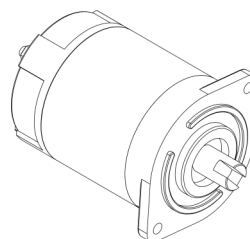
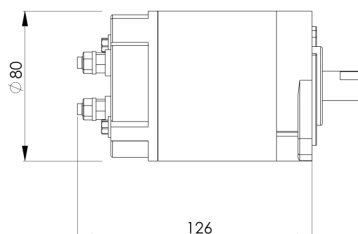
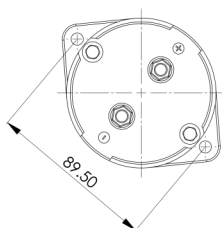


R	A15-R	DL	38	H-B05
---	-------	----	----	-------

Motor / Starter Relay

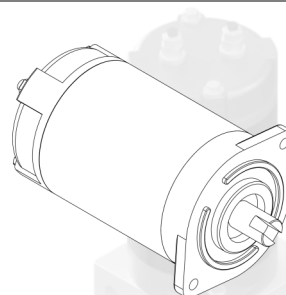
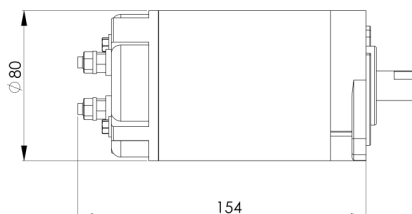
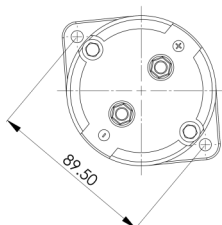
Voltage	Power (W)	Speed (RPM)	Type	Code	With Start Switch
12 VDC	150	2400	3" (80mm)	A15-N	A15-R
24 VDC	150	3200	3" (80mm)	B15-N	B15-R

150W Motor Dimensions

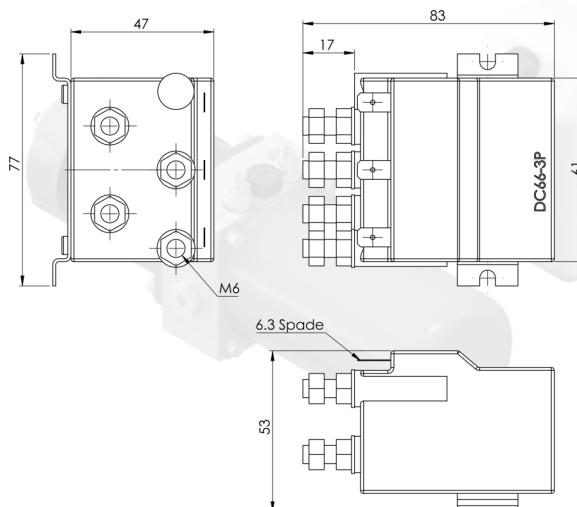


Voltage	Power (W)	Speed (RPM)	Type	Code	With Start Switch
12 VDC	500	3100	3" (80mm)	A50-N	A50-R
12 VDC	800	4100	3" (80mm)	A80-N	A80-R
24 VDC	500	3400	3" (80mm)	B50-N	B50-R
24 VDC	800	4100	3" (80mm)	B80-N	B80-R

500W & 800W Motor Dimensions



Reversible Start Relay Dimensions

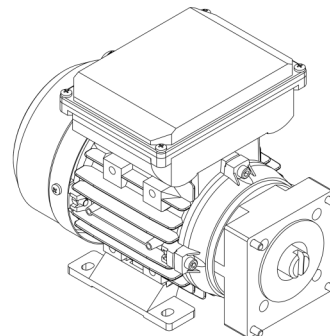
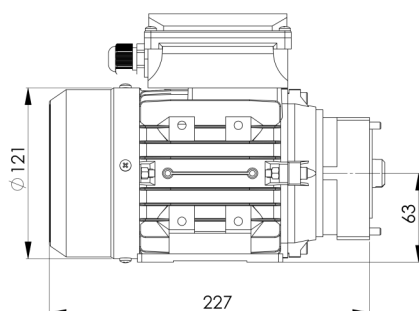
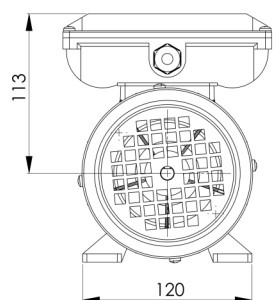


R	A15-R	DL	38	H -B05
---	-------	----	----	--------

Motor / Starter Relay

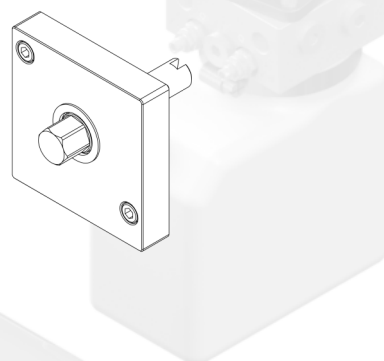
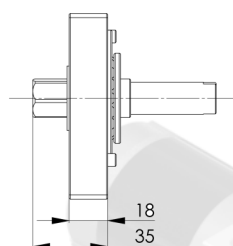
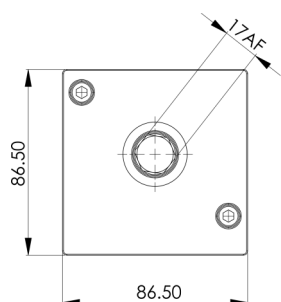
Voltage	Power (W)	Speed (RPM)	Type	Code
240 VAC	250	2800	63FR	C25-N

63FR Motor & Coupling Dimensions



Description	Code
Drill Driven System. <i>Please contact us to determine if your application is suitable for use with the drill driven system. This is dependant on pressure and flow required and what power drill is specified to be used.</i>	NNN-M

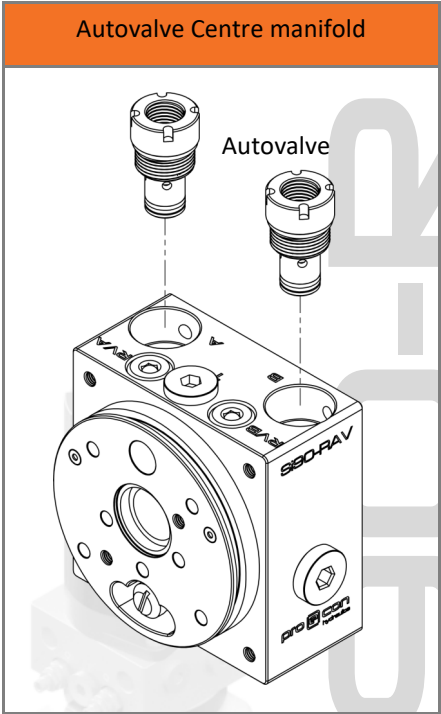
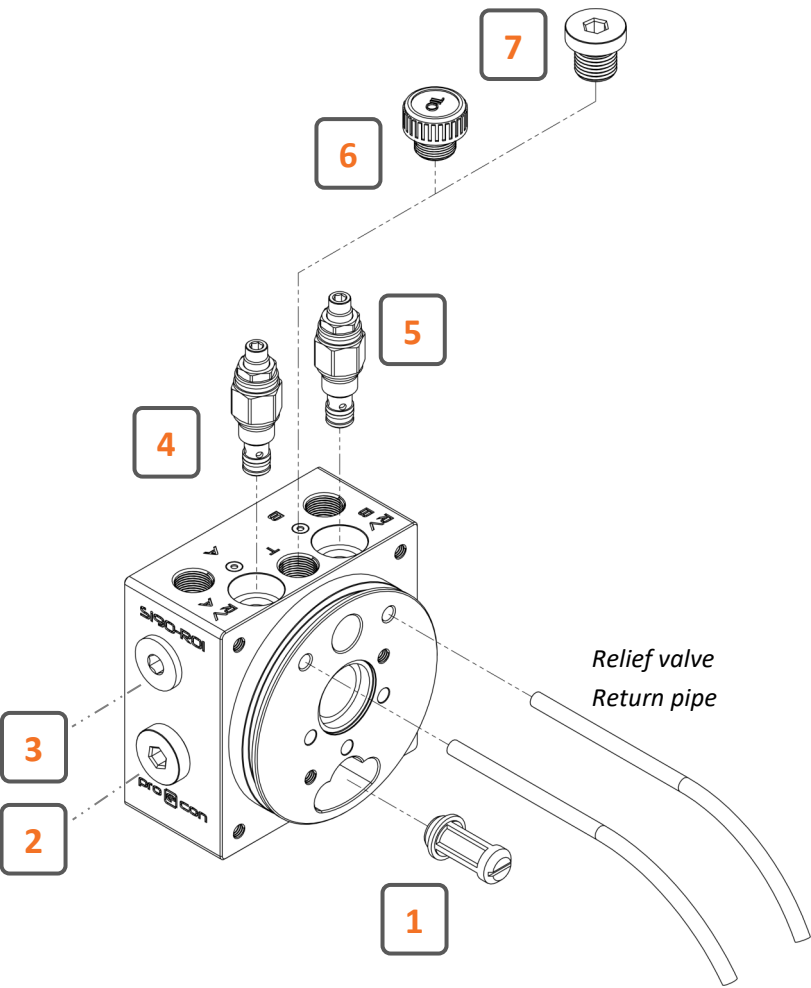
Drill Driven Coupling Dimensions



series-0-R

R	A15-R	DL	38	H -B05
---	-------	----	----	--------

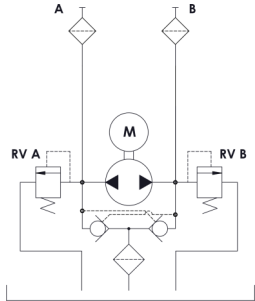
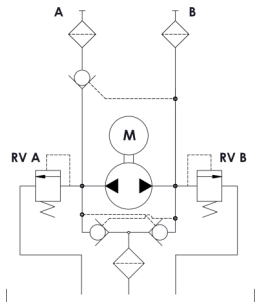
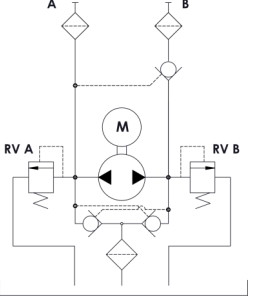
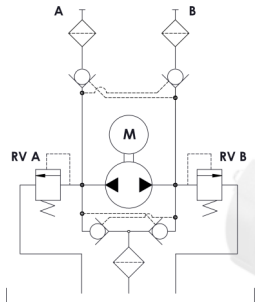
Centre Manifold



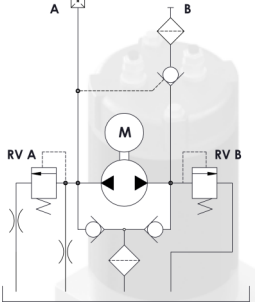
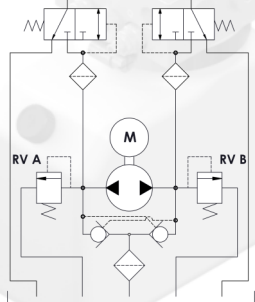
Position	1	2	3	4	5	6	7
Description	Suction Filter for Reversible Pump	Suction Check Valve	Pilot operated check valve	Relief Valve 'A' Side	Relief Valve 'B' Side	Filler Breather for blank (B) tanks	Blanking plug for side (S) & End fill tanks

R	A15-R	DL	38	H -B05
---	-------	----	----	--------

Centre Manifold

Centre Manifold Description	Internal Circuit	Code
No Pilot-operated Check Valves		O
'A' Side Pilot-operated Check Valve		A
'B' Side Pilot-operated Check Valve		B
Dual ('A' & 'B' Side) Pilot-operated Check Valves		D

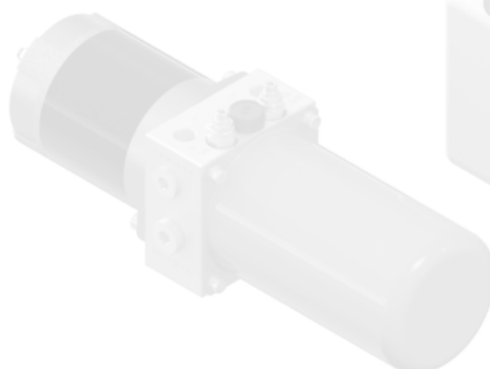
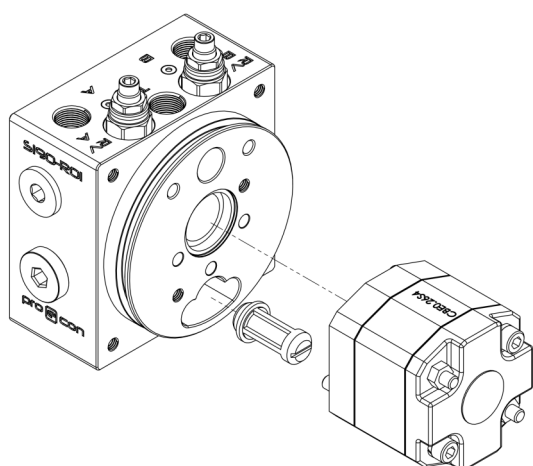
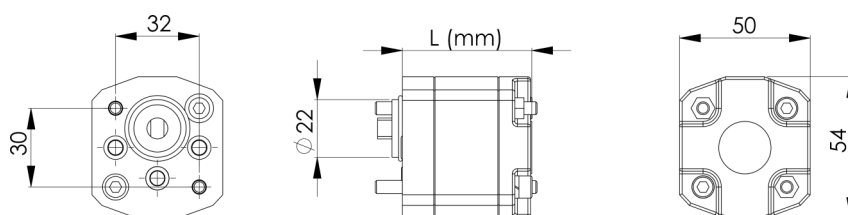
Relief valve adjustment range (BAR)	Code
7-210	L
100-250*	H

Centre Manifold Description	Internal Circuit	Code
'B' Side Pilot-operated Check Valve with 'A' side bypass return. <i>For use with single acting cylinders, controlled decent</i>		C
Autovalue System Non-load holding circuit, power up, auto down		V

R	A15-R	DL	38	H -B05
---	-------	----	----	--------

Pump

Displacement (cc/rev)	P1 Continuous Pressure (Bar)	P2 Max Pressure (Bar)	L (mm)	Code
0.25	180	200	47	25
0.38	180	200	54	38
0.5	180	200	55	50
0.75	180	200	57	75

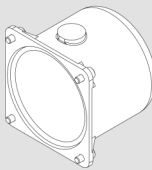
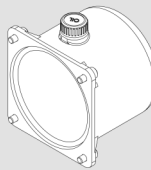
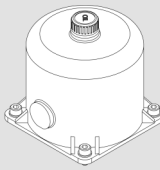
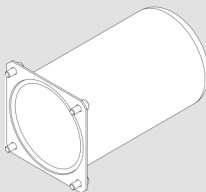
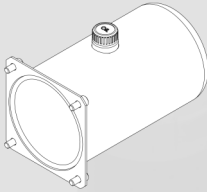
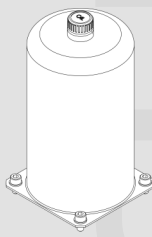
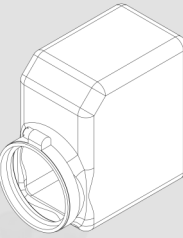
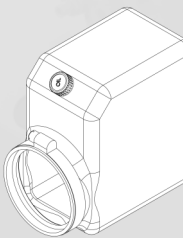
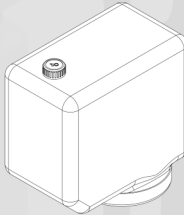


sig-o-r

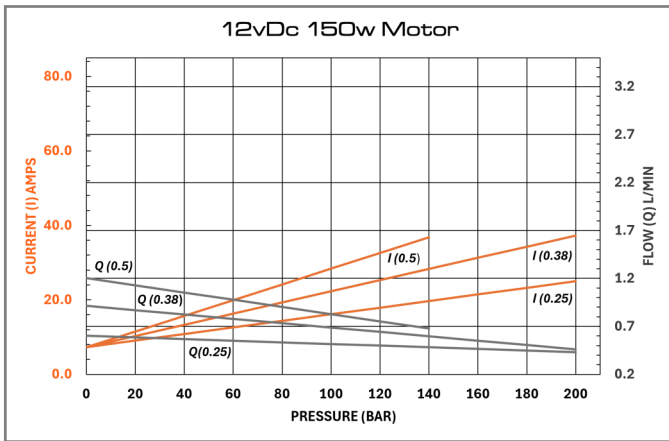
R	A15-R	DL	38	H-B05
---	-------	----	----	-------

Orientation, Tank & Filler

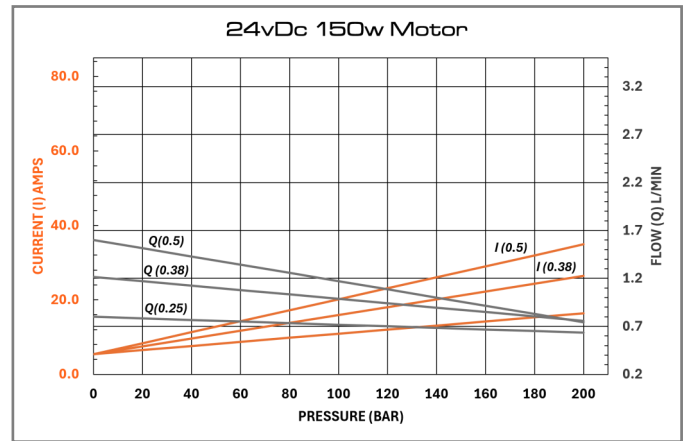
Orientation	Code
Horizontal	H
Vertical	V

Tank Volume (Litres)	Material	Mounting	Code		
			No Fill (Blank)	Side Fill	End Fill
0.2	Hostaform C (Plastic)	M5 Bolts	B02 	S02  <i>Horizontal Only</i>	E02  <i>Vertical Tank up</i>
0.5	Aluminium	M5 Bolts	B05 	S05  <i>Horizontal Only</i>	E05  <i>Vertical Tank up</i>
1.2	Polyethylene (Plastic)	Jubilee Clip	B12 	S12  <i>Horizontal & Vertical</i>	E12  <i>Vertical Tank up</i>

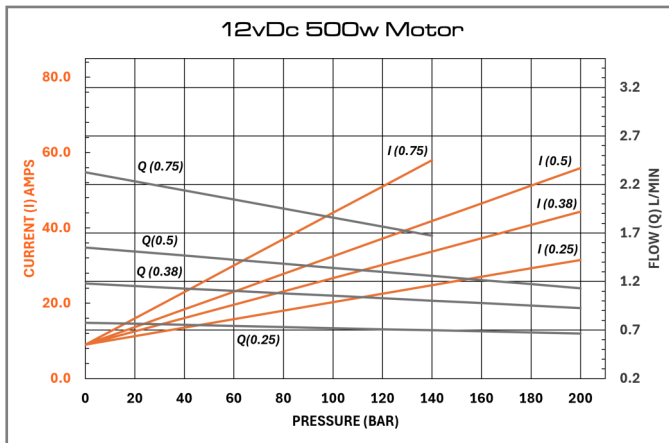
Performance Data



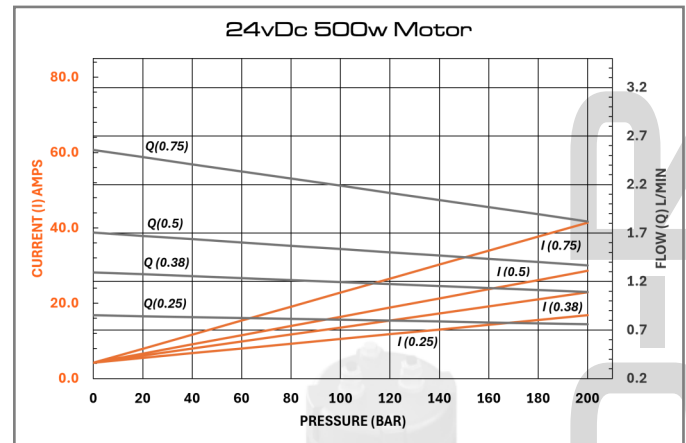
12vDC 150w Motor with
0.25cc, 0.38cc & 0.5cc Gear Pumps



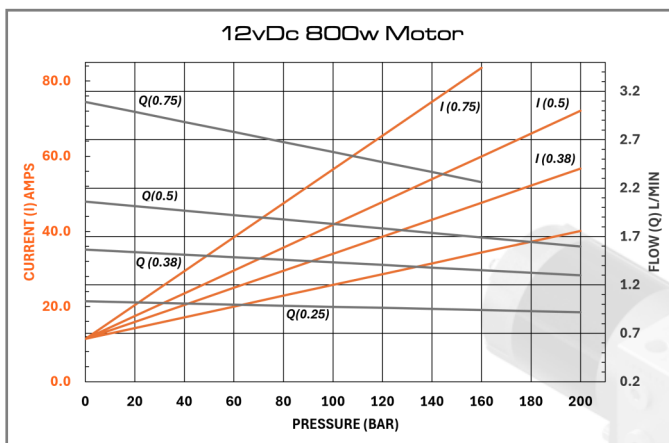
24vDC 150w Motor with
0.25cc, 0.38cc & 0.5cc Gear Pumps



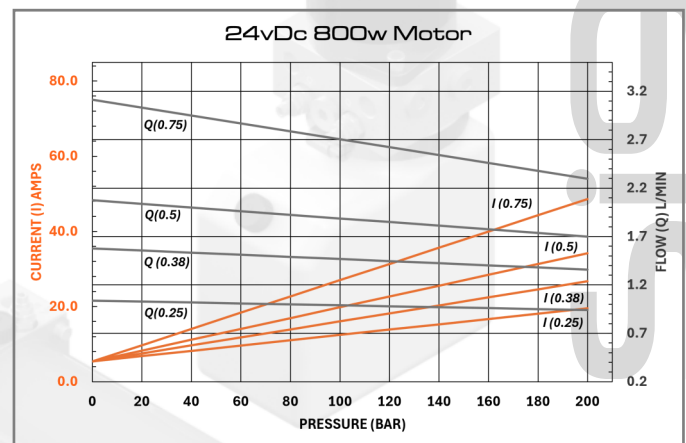
12vDC 500w Motor with
0.25cc, 0.38cc, 0.5cc & 0.75cc Gear Pumps



24vDC 500w Motor with
0.25cc, 0.38cc, 0.5cc & 0.75cc Gear Pumps



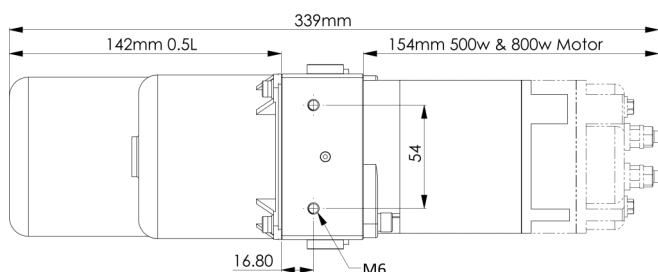
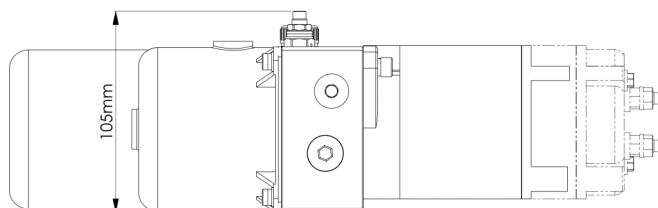
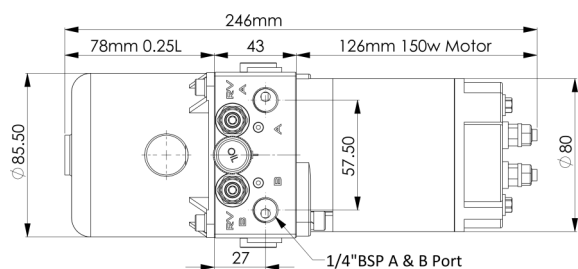
12vDC 800w Motor with
0.25cc, 0.38cc, 0.5cc & 0.75cc Gear Pumps



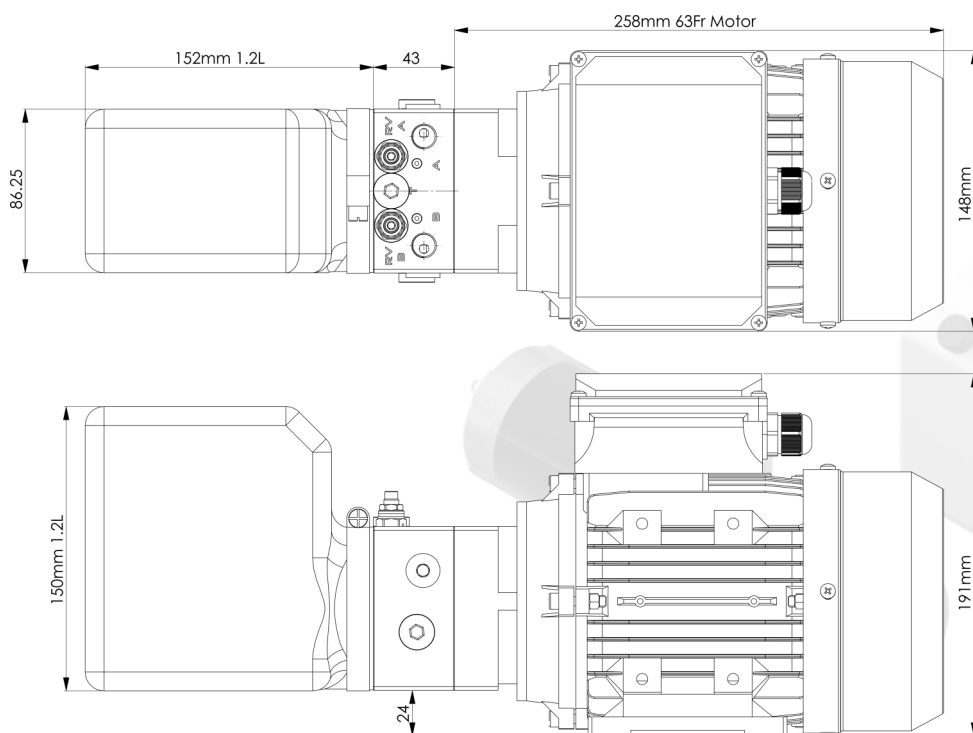
24vDC 800w Motor with
0.25cc, 0.38cc, 0.5cc & 0.75cc Gear Pumps

Theoretical nominal performance of pack combinations at constant voltage and at nominal 20-25°C with ISO VG32 Oil,
Information provided in good faith but without liability.

DC Motors & 0.2L / 0.5L Tanks



AC Motor & 1.2L Tank



Outline Dimensions

Technical data

Hydraulic Fluid (recommended)

Mineral hydraulic oil (HM or HV)

For normal ambient temp range (0°C - 40°C)

ISO VG22 to ISO VG46

Working temp (ambient) -20°C - 40°C

Weight (approx.) kg

150w motor 2.8kg

500w motor 3.0kg

0.25kw AC motor 5.2kg

Maximum pressure (see performance data)

All pump sizes 200Bar

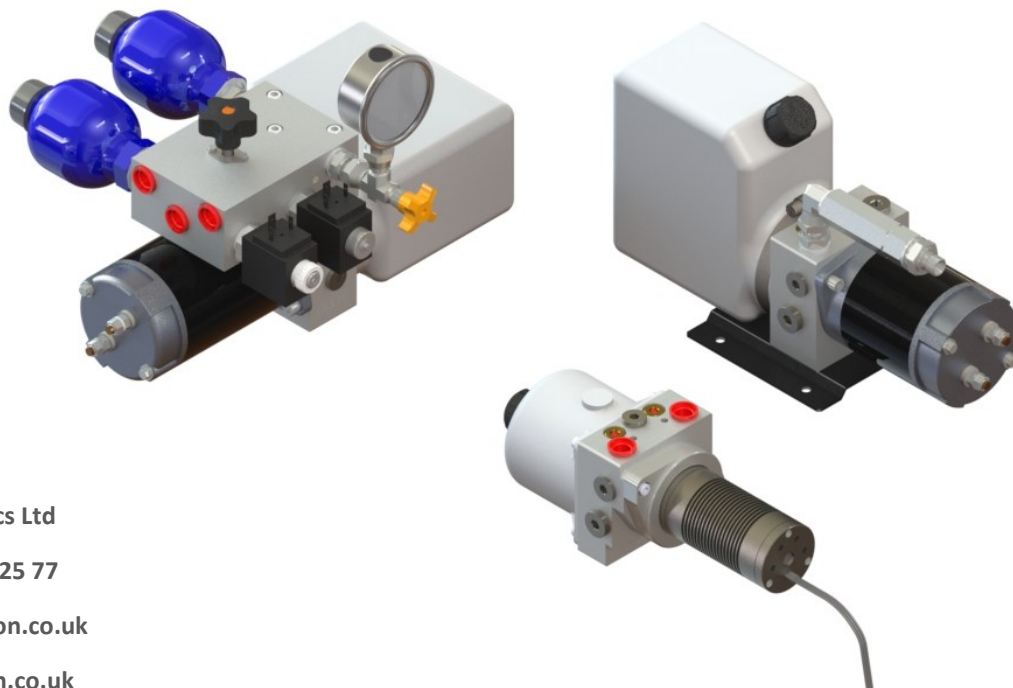
Higher pressure systems available on request

	Motor / Starter Relay		Centre Manifold		Pump	Orientation , Tank and Filler		
Pg.	2-3		4-5		6	7		
R	- - - - -		- - - - -		- -	- - - - -		
	NNN	R	O	L	25	H	B	02
	A15	M	A	H	38	V	S	05
	A50		B		50		E	12
	A80		D		75			
	B15		C					
	B50		AV					
	B80							
	C25							

Custom Solutions

Custom solutions available on request, these include custom centre manifolds, tanks and additional modules as well as Increased pressure ranges.

Please contact us for more information



Pro-e-con Hydraulics Ltd

Tel: +44 (0)1993 88 25 77

E-mail: sales@pro-e-con.co.uk

Web: www.pro-e-con.co.uk