

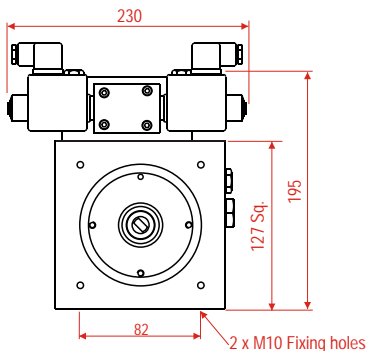
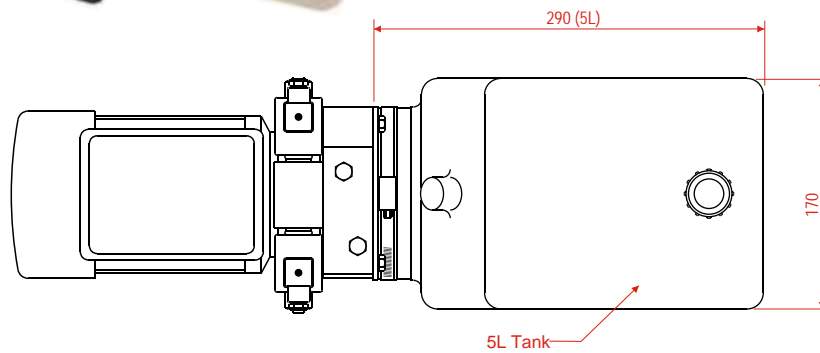
# G Series AC POWER PACKS



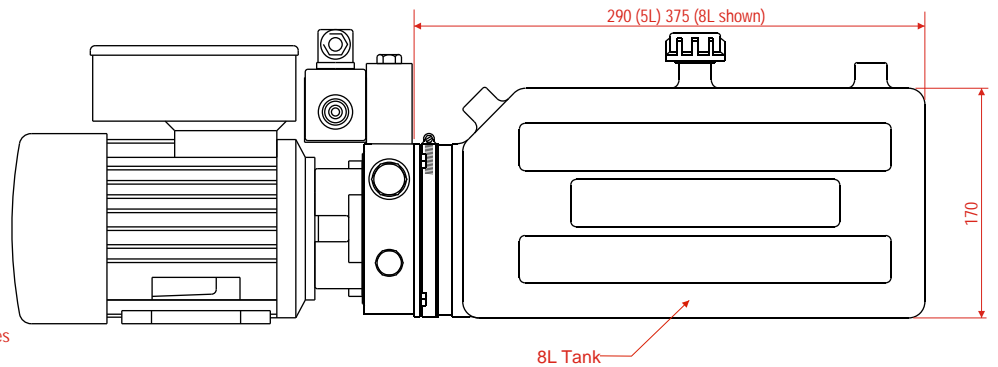
**Versatile range of single & three phase Power Units for mobile and industrial applications.**  
**Flows to 20l/min**  
**Pressures to 270bar**  
**Motors to 4kW (3-ph) 2,2kW (1ph)**

## FEATURES

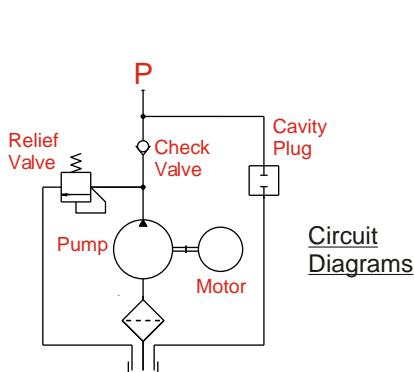
- Pressure balanced gear pump
- Quiet operation with long life
- Industry standard mounting
- Precision "quiet" relief valve
- Wide range of options
- Global support & servicing



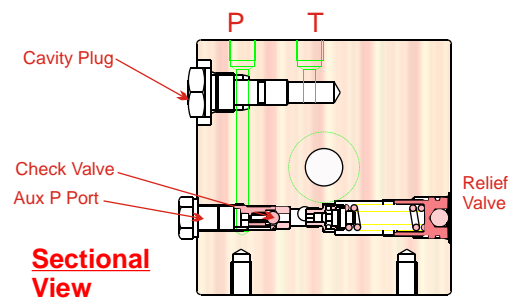
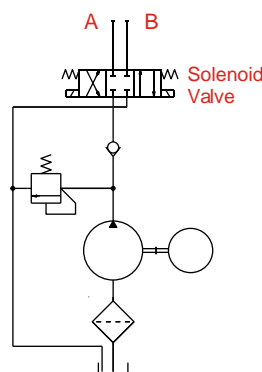
End view of pack (motor removed for clarity)  
Showing optional valve block and valve



Typical assembly showing 80-Frame motor  
and standard 8L & 5L (top) plastic tanks



Circuit Diagrams



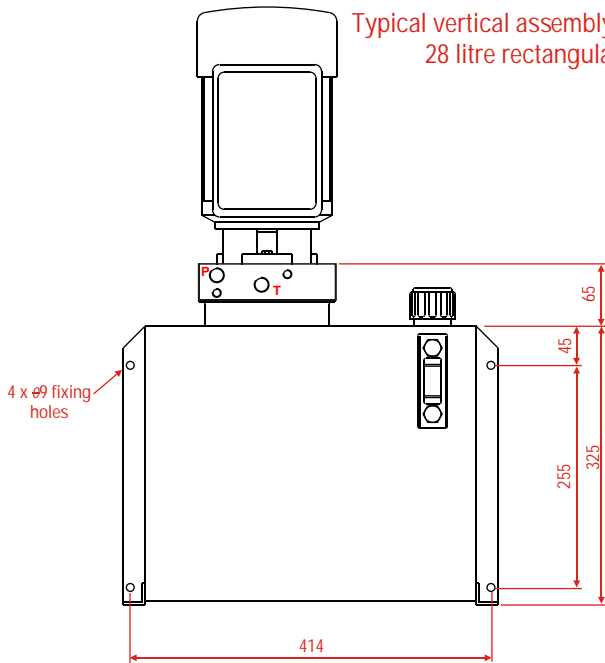
Sectional View

### Ports Marked on Centre Plate

P = Pressure Port 1/4" BSP  
 T = Tank Port 1/4" BSP

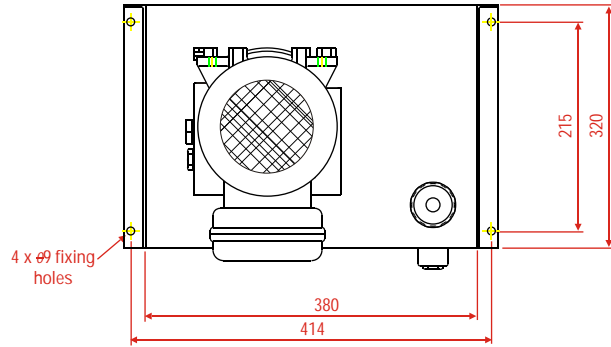
# G Series AC POWER PACKS - LARGER TANKS

Typical vertical assembly on standard 28 litre rectangular tank

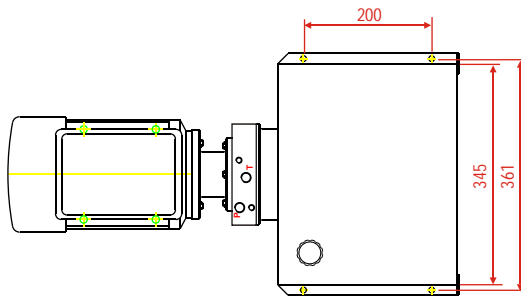


## Features and Options

- Fixing flanges for horizontal or vertical mounting
- Large filler/breather fitted as standard
- Oil sight level gauge
- Durable black powder coat finish
- Optional return filter
- Provision for mounting circuit valves

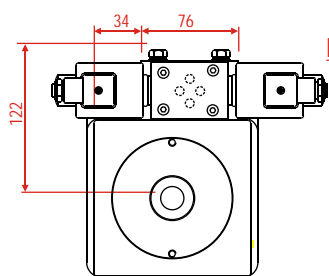
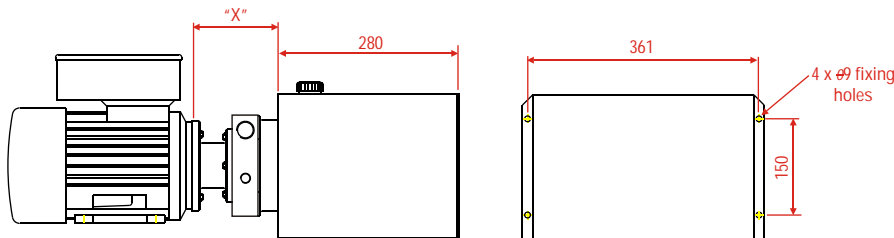


Typical horizontal assembly on standard 17 litre rectangular tank



## Features and Options

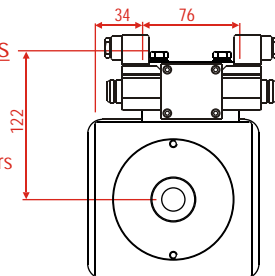
- Fixing flanges for horizontal or vertical mounting
- "Bullseye" oil level gauge
- Durable black powder coat finish
- Optional return filter
- Provision for mounting circuit valves



Standard Manifold for Cetop03 Valves  
Kit ref KBGC301A

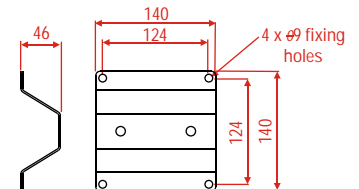
## Control Valve Mounting Blocks

Shown without motors for clarity



Manifold for Series 35 Bankable Valves  
Kit ref KBG3501A

## Detail of Mounting Foot



# PERFORMANCE DATA G Series AC POWER PACKS

To select the pack needed refer to the charts below which list the flows and pressures available from each pump/motor combination.

Choose the power pack closest to or slightly above the flow and pressure you need.

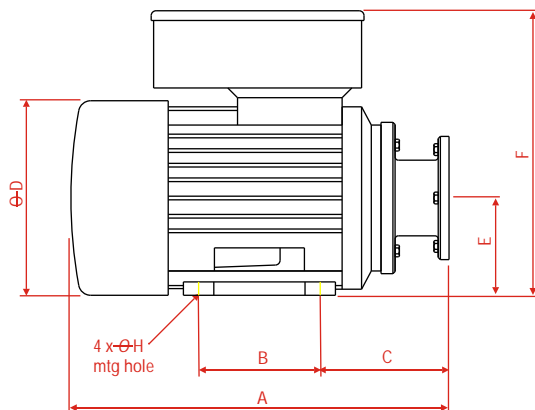
Decide whether a 1-phase or 3-phase motor is required. A 2-pole (1400rpm) motor will be lower cost than a 4-pole (2800rpm) but may be noisier.

The dimensions of the motors and couplings can be found on this page. Combine them with the basic power pack dimensions for the overall size of the whole unit.

## Hydraulic Data

Pump cc/rev	Flows L/min		Maximum Pressures (bar)															
			0,37kW (D)		0,55kW (E)		0,75kW (F)		1,1kW (G)		1,5kW (H)		2,2kW (J)		3kW (K)		4kW (L)	
	4-pole	2-pole	4-pole	2-pole	4-pole	2-pole	4-pole	2-pole	4-pole	2-pole	4-pole	2-pole	4-pole	2-pole	4-pole	2-pole	2-pole	
0,8	1,0	2,0	150	90		150		200										
1,1	1,5	2,9	120	60	200	100	250	140		200								
1,3	1,7	3,5	100	50	180	85	240	110	250	180		250						
1,6	2,1	4,3	80	40	140	65	200	95	250	135		195		250				
2,1	2,8	5,6	60	30	110	50	150	75	220	105	250	150		210				
2,6	3,5	6,9	50		90	40	120	55	180	85	240	110		180		250		
3,2	4,3	8,5	40		70		95	45	145	70	195	90	240	120		200	240	
4,8	6,4	12,8			45		60	30	95	45	130	60	190	95	200	130	175	
5,8	7,7	15,4					50		80		100	45	160	75	200	100	140	

## Electric Motor Data



Motor kW	Motor Frame Size				Full Load Current (A)			
	4-pole		2-pole		4-pole		2-pole	
	1-ph	3-ph	1-ph	3-ph	1-ph	3-ph	1-ph	3-ph
0,37	71B	71B	71A	71A	2,6	1,1	3,5	1,0
0,55	80A	80A	71B	71B	3,6	1,5	4,3	1,4
0,75	80B	80B	80A	80A	5,1	2,0	5,7	1,9
1,1	90SB	90S	80B	80B	7,7	2,7	7,5	2,5
1,5	90LB	90L	90SB	90S	9,7	3,5	10	3,5
2,2	100LD	100LA	100LB	90L	16,5	5,0	14	4,7
3,0			3,0	100L				6,2
4,0			4,0	112M				8,0

Motor Size	App Weight kg	Dimension Code on Diagram									
		A		B	C	D	E	F		G	H
		1-ph	3-ph					1-ph	3-ph		
71A/B	6	295	241	90	85	139	71	206	180	112	7
80A/B	9,5	317	270	100	90	160	80	234	206	125	8
90S/SB	14,2	378	310	100	119	180	90	252	217	140	9
90L/LB	17	403	335	125	119	180	90	252	217	140	9
100	26	448	373	140	131	194	100	271	260	160	11
112M	32,5		391	140	138	218	112		284	190	11

### Important Notes

Motor dimensions and data are typical and may vary from various suppliers. All motors must rotate **anti-clockwise** when viewed from the fan end. All 1-phase motors are high starting torque motors (ie. will start on load). Always fit motor protection devices in case of overload.

# G Series AC POWER PACKS - 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  
 Motor rotation is ANTI-CLOCKWISE on fan end.

### Weight

Typical assembly (without motor) 5kg  
 Each additional litre tank capacity 1kg

### Maximum Pressures (see performance chart)

0,8cc	200bar
1,1 to 2,6cc	275bar
3,2cc	240bar
4,8 5,8cc	200bar

### Options Available

Lowering valves (N Closed N Open Double Lock)  
 Coil Voltages 12V 24V dc; 110V 230V 50/60Hz

Flow Controls (full range 0,5l/m to 13l/m)

Manifolds & Control valves Cetop03  
 Manifolds & Control valves Series35  
 Special Valve Blocks (eg Dock Leveller)

Special Tanks  
 Weld Ring for Custom Tanks  
 Foot Mounting Bracket  
 Close coupled motor (80 Frame only)

### MAIN SPARES KITS

Pump Kit	KPG**01A	** = pump code ref	Centre Plate Kit	KCG0101A
Seal Kit	KSKG01A		Cavity Plug Kit	KCPG01A
Tank Kit	KTG***!01A	*** = tank code ref ! = H or V (see code)	Lowering Valve	FSLV-8-**H ** = 12 or 24
Motor	KAAN702A	Kit for 71Fr Motor	N Open Valve	FOLV-8-**H ** = 12 or 24
Adaptor	KAAN802A	Kit for 80Fr Motor	Double Lock	FDLV-8-**H ** = 12 or 24
Kits	KAAN902A	Kit for 90Fr Motor	Weld Neck	FL101096-03
	KAAN102A	Kit for 100/112Fr Motor	Foot Mtg Bracket	FL654306

# G Series AC POWER PACKS - ORDERING CODES

G	Z	G	2	2	1	H	P	L	S	3	N	N	X	X	X		
<b>G Series</b>	<b>Motor</b>			<b>Pump Capacity</b>		<b>Orientation</b>	<b>Tank Size (working volume)</b>		<b>Lowering Valve</b>	<b>Flow Control</b>	<b>Ancillary Valve</b>	<b>Special Code</b>					
	Y		1-phase ac	08	0,8 cc/rev	H	PA	1,5 Litres	S	3	3 L/min		<i>Allocated by manufacturer for all custom and non-standard assemblies.</i>				
	Z		3-phase ac	11	1,1 cc/rev	V	PD	3 Litres	D	4	4 L/min						
		D	0,37kW	13	1,3 cc/rev	F	PH	5 Litres	O	5	5 L/min						
		E	0,55kW	16	1,6 cc/rev	W	PL	8 Litres	N	7	7 L/min						
		F	0,75kW	21	2,1 cc/rev	X	WN	Weld Neck	X	9	9 L/min						
		G	1,1kW	26	2,6 cc/rev		NN	None		N	None						
		H	1,5kW	32	3,2 cc/rev		XX	Special		X	Special						
		J	2,2kW	48	4,8 cc/rev											CT	Cetop 03 Subplate
		K	3kW	58	5,8 cc/rev											35	Series 35 Subplate
		L	4kW													NN	None
			2 2-pole										XX	Special			
			4 4-pole														
	N	N	No motor														
	X	X	Special														

Items THUS are non-preferred.

The products are subject to development and the manufacturer reserves the right to change the specifications without notice