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HYDRAULIC SOLUTIONS PROVIDER



**HYDRECO
POWAUTO**

Transport Hydraulics

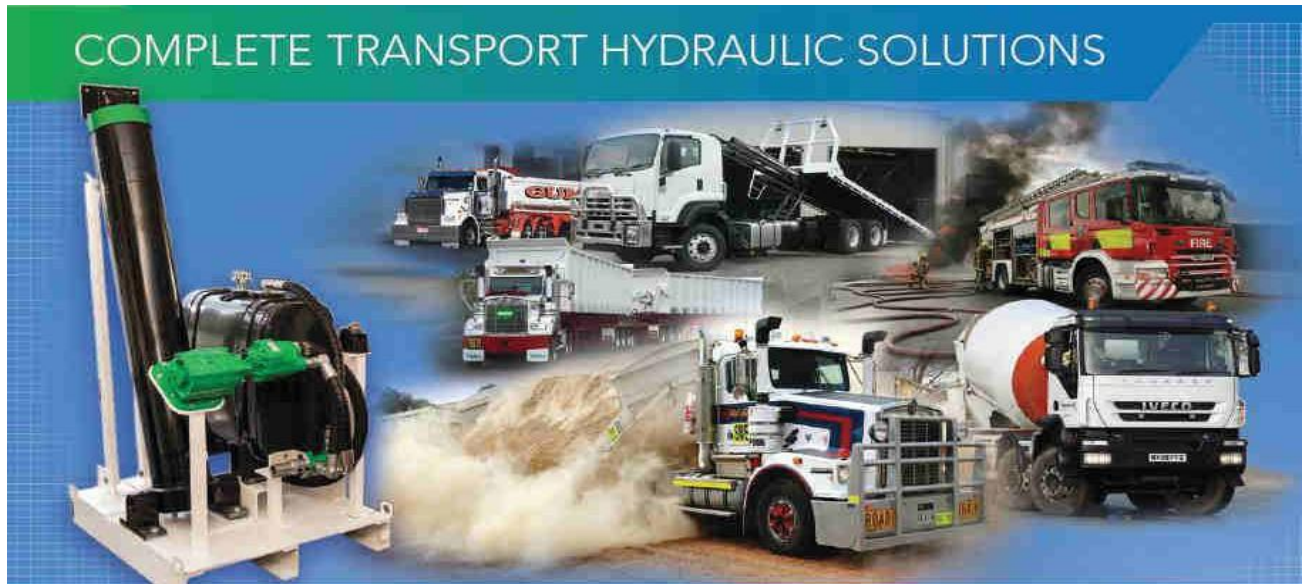
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COMPLETE TRANSPORT HYDRAULIC SOLUTIONS

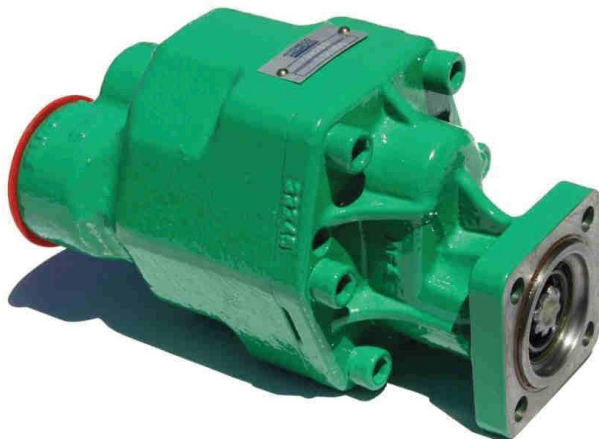


Pumps



POW Series

The POW Series pump is for applications requiring high pressure flow. The design of the POW pump is maximised for performance and flow. Manufactured from rugged SG iron this product is well suited to high pressure applications such as cranes, aerial platforms, hook-lift loaders and garbage compactors.



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Technical Specifications		Pump Size							
Pump Ratings		25	35	45	55	65	75	90	115
Pump flow Rates									
@ 1000 RPM @ No Load									
l/min (USgpm)		23 (6.0)	34 (9.0)	44 (11.6)	54 (14.3)	64 (16.9)	74 (19.5)	88 (23.2)	113 (29.9)
@ 1000 RPM @ Max. Pressure									
l/min (USgpm)		19 (5.0)	28 (7.4)	40 (10.6)	50 (13.2)	62 (16.4)	72 (19.0)	87 (23.0)	110 (29.0)
@ 2000 RPM @ Max. Pressure									
l/min (USgpm)		38 (10.0)	56 (14.8)	80 (21.2)	100 (26.4)	124 (32.8)	144 (38.0)	174 (46.0)	220 (58.1)
Pressure Ratings	bar	310	300	290	280	280	270	250	230
	psi	4495	4350	4200	4060	4060	3915	3625	3335
Operating Speeds (See graph)									
Min Operational		600 rpm							
Max Continuous		2000 rpm							
Max Intermittent		2500 rpm							
Min Suction Line Inside Dia.		(32 mm) (1 1/4" in)				(40mm) (1 1/2" in)			
Pump Port Sizes	Inlet	1 5/8" 12UN O-Ring				1 7/8" 12UN O-Ring			
	Outlet	1 1/16" 12UN O-Ring				1 5/16" 12UN O-Ring			
Approx. Bare Mass	Kg	10.0	11.0	11.5	12.2	13.0	13.2	14.5	16.0
	lb	22.0	24.2	25.3	26.8	28.6	29.0	31.9	35.2
Seal kit		SK077							
Overall Length	mm	183	191	198	206	213	220	230	248

For full details refer to Powauto or consult your applications guide.

PUA Series

Transport PUA pumps are spur gear and are designed and manufactured to be highly efficient and provide high performance levels and long life when operated within the parameters shown



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Technical Specifications	Pump Size				
	25	35	45	55	65
Pump Ratings					
Displacement Range cm ³ /rev in ³ /rev	25.0 1.53	35.0 2.14	45.0 2.75	55.0 3.36	65.0 3.97
Pressure Ratings					
Rated Pressure bar (psi)	310 4495	300 4350	290 4200	280 4060	280 4060
Peak Pressure bar (psi)	345 5000	335 4870	325 4710	315 4570	315 4570
Operating Speeds (See graph)					
Min. Operational	450				
Max. Continuous	2000				
Max. Intermittent	2500				
Min. Suction Line Inside Dia.	32mm (1 1/4" in)				40mm (1 1/2" in)
Pump Port Sizes	1 1/4" BSPP				
Inlet	3/4" BSPP				
Outlet	3/4" BSPP				
Approx. Bare Mass (lb)	11 24.3	12 26.5	12.5 27.6	11.2 24.7	14 30.9
Seal kit	SK105 c/w Wear plates SK105A w/o Wear plates				
Overall Length 'B'mm	186.2	193.3	200.5	207.6	214.7
Mounting face to port centre 'A'mm	149.2	156.3	151.5	158.6	165.7

For full details refer to Powauto or consult your applications guide.

PUT LITE Series

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The PUT UNI Series Pumps have recently been added to our range for the low flow applications. The PUT UNI Pump is a Bi-directional with great pressure ratings.



Pump Codes	Displacement	Max. Continuous Operating Pressure	Max. Speed	A	B	C	D	WEIGHT
	cm ³ /rev	bar		mm	mm	INLET	OUTLET	kg
PUTUNI-6BD	6.1	280	3000	78	130	G1/2"	G1/2"	4
PUTUNI-10BD	10.02	280	3000	84	136	G1/2"	G1/2"	4.5
PUTUNI-16BD	16.2	280	3000	93.5	145.5	G1/2"	G1/2"	4.9
PUTUNI-20BD	20.12	260	3000	100	152	G1/2"	G1/2"	5.3
PUTUNI-25BD	25.05	220	3000	108	160	G3/4"	G3/4"	5.5
PUTUNI-32BD	32.18	190	2800	119	171	G3/4"	G3/4"	6
PUTUNI-40BD	40.15	180	2800	132	184	G3/4"	G3/4"	6.5

PUT Lite Duty Series

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The PUT Series Pumps have recently been added to our range of pumps to provide more options, particularly for the replacement market. The PUT Lite Series pumps are used for applications requiring medium pressure & flow. The design of the PUT Lite pump is maximised for performance and flow. Well suited for Tipper applications.



Pump Codes	Mount type	Displacement cm ³ /rev	Working Pressures	Working Pressures	Maximum Speed	Maximum Speed	Overall Length (a) mm	Weight kg	Oil Inlet	Oil outlet
			Continous Bar/PSI	Intermittent Bar/PSI	Continous RPM	Intermittent RPM			BSPP	BSPP
PUTO/S34	UNI	34.3	300/4351	325/4714	2200	2600	162	9.5	1"	3/4"
PUTO/S43	UNI	43.8	280/4061	305/4424	2100	2600	167	10	1"	3/4"
PUTO/S51	UNI	51.4	240/3481	265/3843	2000	3500	172	10.5	1"	3/4"
PUTO/S61	UNI	61.95	220/3191	240/5076	2000	2100	177	11	1.25"	1"
PUTO/S82	UNI	82.13	210/3046	230/3336	1700	1900	190	12	1.25"	1"
PUTO/S3401	ISO	34.3	300/4351	325/4714	2200	2600	174	11.5	1"	3/4"
PUTO/S4301	ISO	43.8	280/4061	305/4424	2200	2600	167	12	1"	3/4"
PUTO/S5101	ISO	51.4	240/3481	265/3843	2000	3500	184	12.5	1"	3/4"
PUTO/S6101	ISO	61.95	220/3191	240/5076	2000	2100	190	13	1.25"	1"
PUTO/S8201	ISO	82.13	210/3046	230/3336	1700	1900	202	14	1.25"	1"

PUTH Heavy Duty Series

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The PUT HD Series Pumps have recently been added to our range of pumps to provide more options particularly for the replacement market. The PUT HD Series pumps are used for applications requiring high pressure flow. The design of the PUT HD pump is maximised for performance and flow. Well suited for high pressure applications such as cranes aerial platforms hook-lift loaders and garbage compactors.



Pump Codes	Mount type	Displacement cm ³ /rev	Working Pressures		Maximum Speed		Overall Length (B) mm	Weight kg	Oil inlet BSPP
			Continuous Bar/PSI	Intermittent Bar/PSI	Continuous RPM	Intermittent RPM			
PUTO/S63	UNI	63.2	280/4061	310/4496	1800	2800	190	12	1"
PUTO/S73	UNI	71.7	300/4351	320/4641	1800	2800	192	16.5	1"
PUTO/S87	UNI	87.25	265/3844	285/4134	1800	2800	200	17	1.25"
PUTO/S109	UNI	108.9	240/3480	260/3770	1800	2800	206	18	1.25"
PUTO/S6301	ISO	63.2	280/4061	310/4496	1800	2800	200	12	1"
PUTO/S7301	ISO	71.7	300/4351	320/4641	1800	2800	206	17	1"
PUTO/S8701	ISO	87.25	265/3844	285/4134	1800	2800	213	17.3	1.25"
PUTO/S10901	ISO	108.9	240/3480	260/3770	1800	2800	220	18.5	1.25"

PUP `Powauto mount' Piston Pump Series

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The `Powauto mount' PUP Series pump is ideal for applications requiring high pressures with confined spaces. This series pump is design with the Powauto mount to directly couple up to a Powauto PTO without having to use any adaptors. Manufactured from high strength alloy housing, this pump is designed for equipment such as cranes and hook-lift loaders. The 40° axis shift allows for installations in compact spaces. Compatible with similar "Industry Standard" bent axis piston pumps.



Pump Codes	Mount Type	Displacement	Max. Pressure Cont.	Max. Pressure Peak	Max. Speed	Min. Speed	Weight	Oil Inlet	Oil Outlet
		l/min	bar	bar	rpm	rpm		kg	BSPP
PUPO/S30R	08	32	350	400	2200	200	9.7	R 1"	R 3/4"
PUPO/S40R	08	42	350	400	2200	200	9.9	R 1"	R 3/4"
PUPO/S50R	08	50	350	400	2200	200	10	R 1"	R 3/4"
PUPO/S63R	08	63	350	400	2200	200	10	R 1"	R 3/4"

PUP ISO Piston Pump Series

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The PUP ISO Series pump is ideal for applications requiring high pressures with confined spaces. The design is maximised for performance and flow. Manufactured from high strength alloy housing, this pump is designed for equipment such as Cranes, Walking Floors, Hook-lift loaders and Compactors. The 40° axis shift allows for installations in compact spaces. Compatible with similar "Industry Standard" bent axis piston pumps.



Pump Codes	Mount Type	Displacement cm ³ /rev	Working Pressure bar	Min. Intermitt. bar	Max. Peak bar	Max. Continuous n (min ⁻¹)	Max. Intermitt. n (min ⁻¹)	Oil Temperture °C	Weight kg	Oil Inlet C	Oil Outlet BSPP
PUP0/S41R01	ISO	41	300	350	400	1200	2000	-20 & 80	10	Ø 44	R 3/4"
PUP0/S51R01	ISO	51	300	350	400	1200	2000	-20 & 80	10	Ø 44	R 3/4"
PUP0/S61R01	ISO	61	300	350	400	1200	2000	-20 & 80	10	Ø 44	R 3/4"
PUP0/S81R01	ISO	81	300	350	400	1200	2000	-20 & 80	14	Ø 44	R 3/4"
PUP0/S101R01	ISO	101	301	351	401	1201	2001	-20 & 81	15	Ø 45	R 1"



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