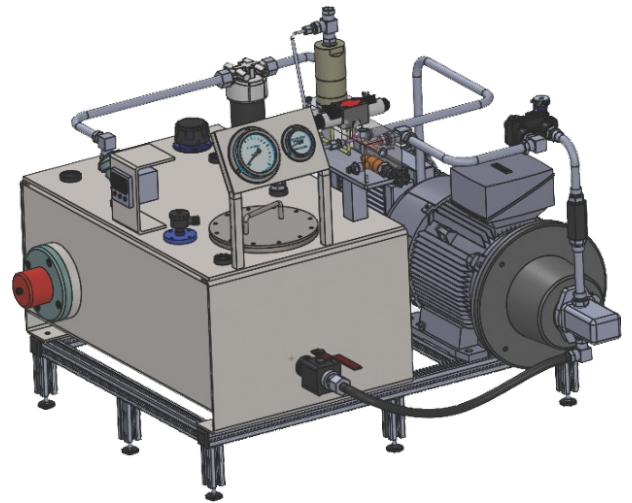


**HIGH PRESSURE
POWER UNIT
300 BAR TO 5000 BAR**





VISION MISSION VALUES

To provide technologically integrated and ultramodern High Pressure management systems and solutions for diversified applications at affordable prices and on time delivery.

To ensure that we meet all the standards of safety, efficiency, hygiene and environment protection and contribute significantly in developing systems for energy saving.

Our Values are defined by our dedication to Quality, Principles & Integrity that lead to customers' satisfaction all time and ultimate success of the company and its stakeholders.

QUALITY POLICY

HTM HYDRAULICS PVT LTD strives to conduct and excel in its business with a total commitment to their customers and their requirements of Hydraulic Products and services.

We define Quality as conformance to our customer requirements. This goal is achieved in our organization with the co-operation and effort of all our staff and by improving the effectiveness of our Quality management system.

ABOUT HTM

HTM GROUP has been in the field of Hydraulics since 1995. Our expertise in the industry makes us one of the leading competitive companies in the field of Trading, Marketing, Design, Manufacturing, Servicing and Training for customers in India and abroad. HTM GROUP has headquarters in Bangalore, India, and operations at Malur, Karnataka, India. ISO9001:2015 Certified.

Promoted by technocrats with over 150 years of combined experience in the hydraulics field

HTM'S STRENGTH

- Experience in building more than 600 hydraulic systems & test rigs
- Expertise in building various Test Rigs for Valves, Manifolds, Cylinders, Motors and Pumps
- Expertise in high pressure application solutions
- Technically strong in Hydraulics and Automation
- Excellent long-term relationships with key customers in important industry sectors

Design & Development: High-end products & systems as per customer requirement.

Engineering Services: Hydraulic products, system design and application engineering

Training: Basic and Advanced Hydraulics for India and Overseas Customers

HTM PORTABLE HI-PRESSURE POWER UNIT SERIES

Circuit Diagram

Product

PORTABLE - AC
PORTABLE - DC

BENEFITS OF HTM POWER PACK

- Power Pack is capable of supplying high flow and pressure up to 3,000 bar.
- Hi-Pressure Portable Power Pack is a compact and lightweight unit which is easy to handle.
- This power unit is most often used for supporting remote on-site service like marine, wind mill & mining etc., and servicing to fleet of equipment with single portable power unit.
- Light in weight and provided with easy handling.
- Wheels are provided for easy transportation.

MODEL CODE CONFIGURATOR-PORTABLE

PORTABLE DC POWER PACK								
HTM-P	-B-V1		-SP080	-DQ0.16-060	FOR REFERENCE ONLY			
PRODUCT SERIES	ELECTRICAL INPUTS		STATIC PRESSURE	MINIMUM DYNAMIC FLOW @ MAX DYNAMIC PRESSURE	MAX DYNAMIC FLOW AT MAX INPUT PRESSURE			
	BATTERY CHARGER	VALVES	AT ZERO LPM		FLOW LPM	PRESSURE BAR	INPUT POWER kW	FLOW CHART #
STANDARD PORTABLE HI-PRESSURE POWER UNIT SERIES	B=WITH CHARGER 0=WITHOUT CHARGER	V1= 12 V DC V2= 24 VDC V3= 230 VAC	SP080=800 bar	DQ0.16-060= 1.6 LPM AT 600 BAR	0.6	40	0.97	C1
			SP260=2600 bar	DQ0.12-200=1.2 LPM AT 2000 BAR	0.48	104	2.52	C2

PORTABLE AC POWER PACK

HTM-P	-M01-V1		-SP030	-DQ0.16-028	FOR REFERENCE ONLY			
PRODUCT SERIES	ELECTRICAL INPUTS		STATIC PRESSURE	MINIMUM DYNAMIC FLOW @ MAX DYNAMIC PRESSURE	MAX DYNAMIC FLOW AT MAX INPUT PRESSURE			
	MOTOR	VALVES	AT ZERO LPM		FLOW LPM	PRESSURE BAR	INPUT POWER KW	FLOW CHART #
STANDARD PORTABLE HI-PRESSURE POWER UNIT SERIES	M01= 220VAC@50 Hz M02= 230VAC@50 Hz M03=240VAC@50 Hz M04=380VAC@50 Hz M05=400VAC@50 Hz M06=415VAC@50 Hz M07=500VAC@50 Hz M08=660VAC@50 Hz M09=690VAC@50Hz M10=220VAC@60Hz M11=230VAC@60Hz M12=380VAC@60Hz M13=400VAC@60Hz M14=440VAC@60Hz M15=460VAC@60Hz M16=480VAC@60Hz M17=575VAC@60Hz M18=660VAC@60Hz M19=690VAC@60Hz	V1= 12 V DC V2= 24 VDC V3= 230 VAC	SP030= 300 bar	DQ0.16/028= 1.6 LPM AT 280 BAR	8	200	4.85	C3
			SP032= 320 bar	DQ0.15/030= 1.56 LPM AT 300 BAR	9.38	200	6.06	C4
			SP050= 500 bar	DQ0.10/044= 1.04 LPM AT 440 BAR	5.2	200	5.26	C5
			SP064= 640 bar	DQ0.14/050.5= 1.44 LPM AT 505 BAR	4.69	200	6.06	C6
			SP080=800 bar	DQ0.10/062= 1.05 LPM AT 620 BAR	3.5	200	5.66	C7
			SP200=2000 bar	DQ0.013/180= 0.13 LPM AT 1800 BAR	1.17	194	4.71	C8
				DQ0.015/170= 0.15LPM AT 1700 BAR	0.92	154	3.74	C9
				DQ0.012/170= 0.12 LPM AT 1700 BAR	0.75	125	3.03	C10
			SP260=2600 bar	DQ0.013/220= 0.13 LPM AT 2200 BAR	0.75	162	3.93	C11
			SP300=3000 bar	DQ0.013/300= 0.13 LPM AT 2200 BAR	0.48	150	3.64	C12

FLOW CHART

CHART - C1

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE									
		20	40	100	150	200	300	400	600	800	
20	5	0.25		0.20	0.16	0.13	0.07	0			
	8	0.40		0.32	0.26	0.21	0.11	0			
	12	0.60		0.47	0.39	0.32	0.16	0			
40	5		0.25	0.23		0.20		0.13	0.07	0	
	8		0.40	0.37		0.32		0.21	0.11	0	
	12		0.60	0.55		0.47		0.32	0.16	0	

CHART - C2

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																									
		50	75	100	104	200	300	400	500	600	700	800	900	1000	1100	1200	1250	1400	1600	1800	1875	2000	2200	2400	2600		
50	5	0.20		0.19		0.18		0.14	0.13	0.11	0.09	0.08	0.06	0.04	0.03	0.01	0										
	9	0.36		0.35		0.32		0.26	0.23	0.20	0.17	0.14	0.11	0.08	0.05	0.02	0										
	12	0.48		0.46		0.42		0.34	0.30	0.26	0.22	0.18	0.14	0.10	0.06	0.02	0										
75	5		0.20			0.19	0.18	0.16	0.15	0.14		0.1	0.08				0.05	0.03	0.01	0							
	9		0.36			0.34	0.32	0.3	0.28	0.26		0.22		0.18		0.14		0.1	0.06	0.02	0						
	12		0.48			0.45	0.42	0.39	0.37	0.34		0.29	0.23	0.18		0.13		0.13	0.07	0.02	0						
104	5				0.20	0.19		0.18		0.16		0.14		0.13		0.11	0.10	0.08	0.06			0.05	0.03	0.02	0		
	9				0.36	0.35		0.32		0.29		0.26		0.23		0.20	0.17	0.14	0.12			0.09	0.06	0.03	0.00		
	12				0.48	0.46		0.42		0.38		0.35		0.31		0.27	0.23	0.19	0.15			0.12	0.08	0.04	0.00		

CHART - C3

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																															
		50	55	60	65	70	75	100	110	120	130	140	150	160	170	180	187.5	190	200	210	220	225	230	240	250	260	270	280	290	300			
50	5	3.33	2.67	2.00	1.33	0.67	0																										
	8	5.33	4.27	3.20	2.13	1.07	0																										
	12	8.00	6.40	4.69	3.20	1.60	0																										
100	5						3.33	2.67	2.00	1.33	0.67	0																					
	8						5.33	4.27	3.20	2.13	1.07	0																					
	12						8.00	6.40	4.80	3.20	1.60	0																					
150	5											3.33	2.89	2.44	2.00	1.67	1.56	1.11	0.67	0.22	0.00												
	8											5.33	4.62	3.91	3.20	2.67	2.49	1.78	1.07	0.36	0.00												
	12											8.0	6.93	5.87	4.80	4.00	3.73	2.67	1.60	0.53	0.00												
200	5																	3.33	3.00	2.67			2.33	2.00	1.67	1.33	1.00	0.67	0.33	0.00			
	8																	5.33	4.8	4.27			3.56	3.2	2.67	2.13	1.60	1.07	0.53	0.00			
	12																	8.00	7.2	6.4			5.6	4.8	4	3.2	2.4	1.6	0.8	0.00			

CHART - C4

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																																
		50	60	85	100	110	120	135	150	160	170	200	220	235	240	270	280	320	325	340	360	370	400	415	440	460	480	505	550	595	640			
50	5	1.56	1.42	1.07		0.71	0.36																											
	8	2.50	2.27	1.7		1.14	0.57																											
	15	4.69	4.26	3.2		2.13	1.07																											
100	5				1.56		1.42				1.07		0.71			0.36		0																
	8				2.50		2.27				1.7		1.14			0.57		0																
	15				4.69		4.26				3.2		2.13			1.07		0																
150	5												1.6	1.52			1.33			1.14		0.95	0.76			0.57		0.38		0.38	0.00			
	8												2.5	2.42			2.12			1.82	1.52	1.21			0.91		0.61		0.30	0.00				
	15												4.7	4.55			3.98			3.41		2.84	2.27			1.7		1.14		0.57	0.00			
200	5															1.56	1.44			1.28		1.12			0.96		0.8		0.64		0.48	0.32	0.16	0.00
	8															2.50	2.3			2.05		1.79			1.53		1.28		1.02		0.77	0.51	0.26	0.00
	15															4.69	4.31			3.84		3.36			2.88		2.4		1.92		1.44	0.96	0.48	0.00

CHART - C5

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																															
		50	65	80	95	100	110	125	130	150	160	175	190	200	220	225	230	250	260	275	290	300	320	325	350	375	380	410	440	470	500		
50	5	2.00	1.60	1.20	0.80		0.40	0																									
	8	3.20	2.56	1.92	1.28		0.84	0																									
	13	5.20	4.16	3.12	2.08		1.04	0																									
100	5					2.00				1.60		1.2		0.8		0.4																	
	8					3.20				2.56		1.92		1.28		0.64																	
	13					5.20				4.16		3.12		2.08		1.04																	
150	5										2.0		1.78		1.56		1.33		1.11		0.89		0.67		0.44	0.22	0.00						
	8										3.2		2.84		2.49		2.13		1.78		1.42		1.07		0.71	0.36	0.00						
	13										5.2		4.62		4.04		3.47		2.89		2.31		1.73		1.16	0.58	0.00						
200	5															2.00		1.80		1.60		1.40		1.20		1.00		0.80	0.40	0.40	0.20	0.00	
	8															3.20		2.88		2.56		2.24		1.92		1.60		1.28	0.96	0.64	0.32	0.00	
	13															5.20		4.68		4.16		3.64		3.12		2.60		2.08	1.56	1.04	0.52	0.00	

CHART - C6

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																															
		50	60	65	70	75	80	100	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	320					
50	5	3.13	2.08	1.56	1.04	0.52	0																										
	8	5.00	3.33	2.5	1.67	0.83	0																										
	15	9.38	6.25	4.69	3.13	1.56	0																										
100	5									3.13	2.08	1.56	1.04	0.52	0																		
	8									5.00	3.33	2.5	1.67	0.83	0																		
	15									4.69	4.26	3.2	2.13	1.07	0																		
150	5															3.1	2.78	2.43	2.08	1.74	1.39	1.04	0.69	0.35	0.00								
	8															5.0	4.44	3.89	3.33	2.78	2.22	1.67	1.11	0.56	0.00								
	15															9.4	8.33	7.29	6.25	5.21	4.17	3.33	2.08	1.04	0.00								
200	5																																
	8																																
	15																																

CHART - C7

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																																
		50	80	100	110	140	150	160	170	200	220	250	260	280	300	320	340	350	380	400	440	450	500	550	560	600	620	680	740	800				
50	5	1.25	1.00		0.75	0.5				0.25	0																							
	8	2.00	1.6		1.2	0.8				0.4	0																							
	14	3.50	2.8		2.1	1.4				0.7	0																							
100	5			1.25						1.00			0.75			0.5				0.25				0										
	8			2.00						1.6			1.2			0.8				0.4				0										
	14			3.50						2.8			2.1			1.4				0.7				0										
150	5										1.3					0.83				0.69		0.56			0.42	0.28	0.14				0.00			
	8										2.0					1.33				1.11		0.89		0.67	0.44	0.22				0.00				
	15										3.5					3.11				2.72		1.94		1.56	1.17	0.78	0.39			0.00				
200	5											1.25				1.13				1.00			0.88		0.75		0.63		0.50		0.38	0.25	0.13	0.00
	8											2.00				1.8				1.6			1.40		1.20		1.00		0.80		0.60	0.40	0.20	0.00
	14											3.50				3.15				2.8			2.45		2.1		1.75		1.4		1.05	0.7	0.35	0.00

CHART - C8

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																																
		50	100	150	194	200	300	400	500	515	600	700	800	900	1000	1100	1200	1300	1400	1545	1600	1800	2000											
50	5	0.49	0.43			0.33	0.22	0.12																										
	8	0.78	0.69			0.53	0.36	0.10																										
	12	1.17	1.04			0.79	0.54	0.29																										
100	5		0.49			0.43		0.33				0.22			0.12					0														
	8		0.78			0.69		0.53				0.36			0.19					0														
	12		1.17			1.04		0.79				0.54			0.29					0														
150	5			0.5		0.47	0.43	0.4	0.36			0.29			0.22				0.15			0.09									0.00			
	8			0.8		0.75	0.69	0.64	0.58			0.47			0.36				0.25			0.14									0.00			
	12			1.2		1.12	1.04	0.96	0.87			0.71			0.54				0.37			0.2									0.00			
194	5					0.49		0.46	0.43			0.38			0.32				0.27			0.22								0.16		0.11	0.05	0.00
	8					0.78		0.73	0.69			0.6			0.52				0.43			0.34							0.26		0.17	0.09	0.00	
	12					1.17		1.1	1.03			0.9			0.77																			

CHART - C9

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE														
		50	100	154	200	300	500	600	650	800	1000	1200	1300	1500	1700	2000
50	5	0.38	0.35		0.29	0.22	0.10		0.00							
	8	0.62	0.56		0.46	0.36	0.15		0.00							
	12	0.92	0.85		0.69	0.54	0.23		0.00							
100	5		0.38			0.32	0.26			0.16	0.1		0.00			
	8		0.62			0.51	0.41			0.26	0.15		0.00			
	12		0.92			0.77	0.62			0.38	0.23		0.00			
154	5			0.38		0.35	0.31	0.29		0.25	0.21	0.17		0.10	0.06	0.00
	8			0.62		0.57	0.5	0.47		0.4	0.33	0.27		0.17	0.1	0.00
	12			0.92		0.85	0.75	0.7		0.6	0.5	0.4		0.25	0.15	0.00

CHART - C10

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																
		50	100	125	200	300	400	500	600	700	800	1000	1200	1300	1500	1600	1700	2000
50	5	0.31	0.29		0.25		0.17		0.08		0.00							
	8	0.50	0.47		0.40		0.27		0.13		0.00							
	12	0.75	0.70		0.60		0.40		0.20		0.00							
100	5		0.31				0.25			0.19		0.13		0.06		0.00		
	8		0.50				0.40			0.30		0.20		0.10		0.00		
	12		0.75				0.6			0.45		0.30		0.15		0.00		
125	5			0.31		0.28		0.25	0.23		0.20	0.17	0.13		0.08		0.05	0.00
	8			0.50		0.45		0.40	0.37		0.32	0.27	0.21		0.13		0.08	0.00
	12			0.75		0.68		0.60	0.56		0.48	0.40	0.32		0.20		0.12	0.00

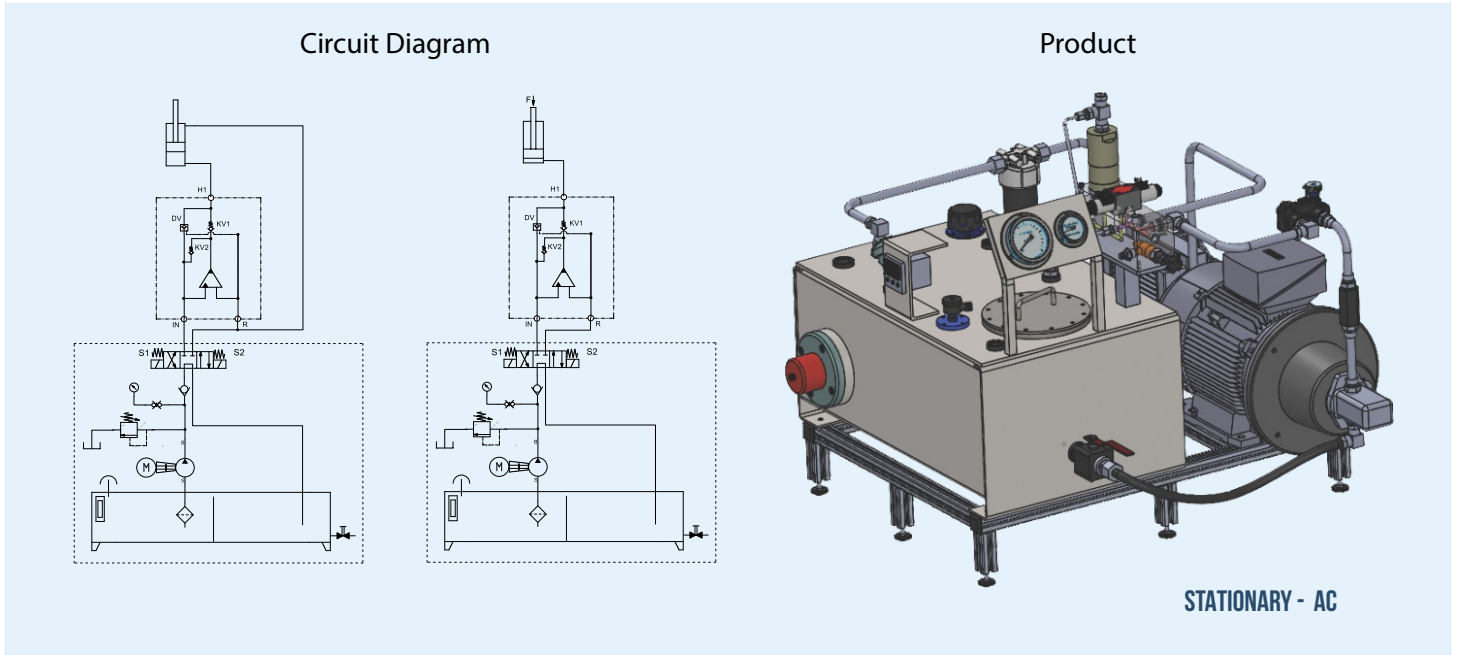
CHART - C11

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																					
		50	100	150	162	200	300	400	500	600	700	800	1000	1200	1300	1400	1500	1600	1800	2000	2200	2400	2600
50	5	0.31	0.29			0.25	0.17	0.13	0.08	0.04	0.08	0											
	9	0.56	0.53			0.45	0.38	0.30	0.23	0.15	0.08	0											
	12	0.75	0.70			0.60	0.50	0.40	0.30	0.20	0.10	0											
100	5		0.31			0.29	0.27	0.25	0.23	0.21		0.17	0.13	0.08	0.06	0.04	0.02	0					
	9		0.56			0.53	0.49	0.45	0.41	0.38		0.3	0.23	0.15	0.11	0.08	0.04	0					
	12		0.75			0.70	0.65	0.60	0.55	0.50		0.40	0.30	0.20	0.15	0.10	0.05	0					
150	5			0.31		0.3	0.29	0.28		0.25		0.22	0.19	0.17		0.14		0.11	0.08	0.06	0.04	0	
	9			0.56		0.55	0.53	0.50		0.45		0.40	0.35	0.30		0.25		0.20	0.15	0.10	0.05	0	
	12			0.75		0.73	0.7	0.67		0.6		0.53	0.47	0.40		0.33		0.27	0.20	0.13	0.07	0	
162	5				0.31		0.3	0.29		0.26		0.23	0.21	0.18		0.16		0.13	0.1	0.98	0.05	0.03	0
	9				0.56		0.54	0.52		0.47		0.42	0.38	0.33		0.28		0.23	0.19	0.14	0.09	0.05	0
	12				0.75		0.72	0.69		0.63		0.56	0.5	0.44		0.38		0.31	0.25	0.19	0.13	0.06	0

CHART - C12

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																					
		50	100	120	200	300	400	500	600	700	800	1000	1250	1300	1400	1600	1800	1900	2200	2500	2600	3000	
50	6	0.24			0.21	0.19	0.17	0.15	0.13	0.11	0.09	0.05	0.00										
	12	0.48			0.42	0.38	0.34	0.30	0.26	0.22	0.18	0.10	0.00										
100	6		0.24		0.23		0.21			0.18		0.15		0.12		0.09		0.06	0.03	0.00			
	12		0.48		0.46		0.42			0.36		0.30		0.24		0.18		0.12	0.06	0.00			
120	6			0.24	0.23	0.23			0.2			0.17			0.13		0.1		0.07			0.03	0.00
	12			0.48	0.47	0.45			0.4			0.33			0.27		0.2		0.13			0.07	0.00

HTM HI-PRESSURE POWER UNIT SERIES - STATIONERY - AC



BENEFITS OF HTM POWER PACK

- Power Packs is capable of supplying high flow and pressure up to 5000 bar.
- Hi-Pressure Stationary Power Pack is a compact and lightweight unit which is easy to handle.
- This power unit is most often used for supporting in-house service jobs.
- Typical Work holding in machine tools, mobile equipment where the power pack to be fitted with compact space with high working pressure.

MODEL CODE CONFIGURATOR-STATIONERY

STATIONARY AC POWER PACK								
HTM-S	-M01-V1		-SP050	-DQ3.2-047	FOR REFERENCE ONLY			
PRODUCT SERIES	ELECTRICAL INPUTS		STATIC PRESSURE	MINIMUM DYNAMIC FLOW @ MAX DYNAMIC PRESSURE	MAX DYNAMIC FLOW AT MAX INPUT PRESSURE			
	MOTOR	VALVES	AT ZERO LPM		FLOW LPM	PRESSURE BAR	INPUT POWER kW	FLOW CHART #
STANDARD STATIONARY HI-PRESSURE POWER UNIT SERIES	M01= 220VAC@50 Hz	V1= 12 V DC V2= 24 VDC V3= 230 VAC	SP050= 500 bar	DQ3.2/047=32 LPM AT 470 BAR	32	200	32.3	C1
	M02= 230VAC@50 Hz		SP066= 660 bar	DQ0.34/59.5=3.4 LPM AT 595 BAR	17.7	320	32.3	C2
	M03=240VAC@50 Hz		SP080=800 bar	DQ0.15/070=6.06LPM AT 700 BAR	60.06	400	15	C3
	M04=380VAC@50 Hz			DQ0.12/070=1.22 LPM AT 700 BAR	4.88	400	12.7	C4
	M05=400VAC@50 Hz		DQ0.14/065=1.42 LPM AT 650 BAR	3.77	400	10.3	C5	
	M06=415VAC@50 Hz		SP196=1960 bar	DQ0.13/120=1.13 LPM AT 1200 BAR	1.94	900	16.2	C6
	M07=500VAC@50 Hz		SP254=2540 bar	DQ0.13/170=1.13 LPM AT 1700 BAR	1.53	1400	16.2	C7
	M08=660VAC@50 Hz		SP300=3000 bar	DQ0.01/290=0.11 LPM AT 2900 BAR	1.56	1600	30.3	C8
	M09=690VAC@50Hz			DQ0.028/280=0.28 LPM AT 2800 BAR	2.25	1400	24.3	C9
	M10=220VAC@60Hz		SP500=5000 bar	DQ0.033/450=0.33 LPM AT 4500 BAR	1.67	2500	32.3	C10

CHART - C1

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																												
		50	65	80	95	100	110	125	130	150	160	175	190	200	220	225	230	250	260	275	290	300	320	325	350	375	380	410	440	470
50	15	6.00	4.80	3.60	2.40		1.20	0.00																						
	40	16.00	12.00	9.60	6.40		3.20	0.00																						
	80	32.00	25.60	19.20	12.80		6.40	0.00																						
100	15				6.00			4.80		3.60		2.40		1.20				0												
	40				16.00			12.80		9.60		6.40		3.20				0												
	80				32.00			25.60		19.20		12.80		6.40				0												
150	15								6.00		5.33		4.67		4.00		3.33		2.67		2.00		1.33	0.67	0.00					
	40								16.00		14.22		12.44		10.67		8.89		7.11		5.33		3.56	1.78	0.00					
	80								32.00		28.44		24.89		21.33		17.78		14.22		10.67		7.11	3.58	0.00					
200	15											6.00				5.40		4.80		4.20		3.60		3.00		2.40	1.80	1.20	0.60	0.00
	40											16.00				14.40		12.80		11.20		9.60		8.00		6.40	4.80	3.20	1.60	0.00
	80											32.00				28.80		25.60		22.40		19.20		16.00		12.80	9.60	6.40	3.20	0.00

CHART - C2

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																													
		50	65	85	100	110	120	135	150	160	165	170	200	220	235	240	270	280	320	325	330	360	370	400	415	440	460	495	505	550	595
50	15	4.50	4.20	3.20		2.20		1.20			0.00																				
	40	12.10	11.10	16.90		5.80		3.20			0.00																				
	80	24.20	22.10			11.60		6.30			0.00																				
100	15				4.50		4.20					3.20		2.20			1.20				0										
	40				12.10		11.10				8.40		5.80			3.20					0										
	80				24.20		22.10				16.90		11.6			6.30					0										
150	15							4.50	4.40			3.90			3.40		2.80	2.30			1.80		1.30		0.70		0.00				
	40							12.10	11.80			10.40			9.00		7.60	6.10			4.70		3.30		1.90		0.00				
	80							24.20	23.50			20.70			17.90		15.10	12.30			9.50		6.70		3.90		0.00				
200	15										4.50		4.20			3.80		3.30			2.90		2.40		2.00		1.50	1.10	0.60	0.00	
	40										12.10		11.20			10.00		8.80			7.60		6.50		5.30		4.10	2.90	1.70	0.00	
	80										24.20		22.40			20.00		17.70			15.30		12.90		10.50		8.20	5.80	3.40	0.00	

CHART - C3

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																							
		50	60	100	140	150	180	186	200	215	250	300	350	400	430	450	500	550	600	645	650	700	750	800	
50	15	3.49	3.28	2.43	1.59		0.74			0															
	30	6.98	6.55	4.86	3.17		1.48			0															
	40	9.30	8.74	6.48	4.23		1.97			0															
100	15			3.49		2.96			2.43		1.90	1.37			0										
	30			6.98		5.92			4.86		3.81	2.75			0										
	40			9.30		7.8			6.48		5.07	3.66			0										
150	15					3.49					2.78	2.43	2.08	1.73		1.37	1.02	0.67	0.32	0					
	30					6.98					5.57	4.86	4.16	3.45		2.75	2.04	1.34	0.63	0					
	40					9.30					7.42	6.48	5.54	4.60		3.66	2.72	1.79	0.85	0					
186.0	15							3.49	3.41		3.12	2.84		2.27			1.70		1.14		0.85	0.57	0.28	0	
	30							6.98	6.82		6.25	5.68		4.55			3.41		2.27		1.70	1.14	0.57	0	
	40							9.30	9.09		8.33	7.58		6.06			4.55		3.03		2.27	1.52	0.76	0	

CHART - C4

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE															
		50	75	100	150	157	200	250	255	300	400	500	510	600	650	700	800
50	15	2.94	2.58	2.22	1.51		0.79			0							
	30	5.88	5.16	4.45	3.01		1.58			0							
	40	7.84	6.89	5.93	4.02		2.10			0							
100	15			2.94	2.58		2.22			1.51	0.79			0			
	30			5.88	5.16		4.45			3.01	1.58			0			
	40			7.84	6.89		5.93			4.02	2.10			0			
157	15					2.94	2.74	2.52		2.29	1.83	1.37		0.91	0.69	0.46	0
	30					5.88	5.49	5.03		4.57	3.66	2.74		1.83	1.37	0.91	0
	40					7.84	7.32	6.71		6.1	4.88	3.66		2.44	1.83	1.22	0

CHART - C5

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE															
		50	100	127	150	200	250	300	315	400	500	600	630	650	700	800	
50	15	2.38	1.93		1.48	1.03	0.58		0								
	30	4.76	3.86		2.96	2.07	1.17		0								
	40	6.35	5.15		3.95	2.76	1.56		0								
100	15		2.38			1.93		1.48		1.03	0.58		0				
	30		4.76			3.86		2.96		2.07	1.17		0				
	40		6.35			5.15		3.95		2.76	1.56		0				
127	15			2.38			2.12	1.95	1.77		1.42	1.06	0.71		0.53	0.35	0
	30			4.76			4.25	3.89	3.54		2.83	2.12	1.42		1.06	0.71	0
	40			6.35			5.66	5.19	4.72		3.77	2.83	1.89		1.42	0.94	0

CHART - C6

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																						
		50	100	150	200	250	300	350	400	450	490	500	600	700	800	900	980	1000	1200	1400	1470	1600	1800	1960
50	20	1.57	1.44		1.17	0.9	0.77				0													
	40	3.15	2.88		2.34	1.80	1.53				0													
100	20		1.57		1.44	1.31		1.17	1.04			0.77		0.50	0.36	0.23	0							
	40		3.15		2.88	2.61		2.34	2.07			1.53		1.00	0.73	0.46	0							
150	20			1.57	1.53	1.44			1.26			1.08		0.90	0.72			0.45	0.18		0			
	40			3.15	3.06	2.88			2.52			2.16		1.80	1.44			0.91	0.37		0			
200	20				1.57	1.51		1.44		1.31			1.17			0.97		0.77	0.57	0.43		0.23		0
	40				3.15	3.02		2.88		2.61			2.34			1.94		1.53	1.13	0.86		0.46		0

CHART - C7

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																					
		50	100	150	200	300	350	400	500	600	635	700	800	900	1000	1100	1270	1400	1700	1900	1905	2200	2540
50	20	1.57	1.44		1.17	0.9	0.77				0												
	40	3.15	2.88		2.34	1.80	1.53				0												
100	20		1.57		1.44	1.31		1.17	1.04			0.77		0.50	0.36	0.23	0						
	40		3.15		2.88	2.61		2.34	2.07			1.53		1.00	0.73	0.46	0						
150	20			1.57	1.53	1.44			1.26			1.08		0.90	0.72			0.45	0.18		0		
	40			3.15	3.06	2.88			2.52			2.16		1.80	1.44			0.91	0.37		0		
200	20				1.57	1.51		1.44		1.31			1.17			0.97		0.77	0.57	0.43		0.23	0
	40				3.15	3.02		2.88		2.61			2.34			1.94		1.53	1.13	0.86		0.46	0

CHART - C8

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																											
		50	100	187.5	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2300	2400	2600	2700	2800	2900
50	10	0.63	0.58			0.5	0.42	0.33	0.25	0.17	0.08	0																	
	25	1.58	1.46			1.25	1.04	0.83	0.63	0.42	0.21	0																	
	50	3.13	2.92			2.50	2.08	1.67	1.25	0.83	0.42	0																	
100	10		0.83			0.61	0.50		0.42	0.38	0.33	0.29	0.25	0.21	0.17	0.13	0.08	0.04	0										
	25		1.56			1.46	1.25		1.04	0.94	0.83	0.73	0.61	0.52	0.42	0.31	0.21	0.10	0										
	50		3.13			2.97	2.5		2.08	1.88	1.67	1.46	1.25	1.04	0.83	0.63	0.42	0.21	0										
150	10			0.63		0.61	0.56	0.50	0.44	0.39	0.33	0.28		0.22	0.17	0.11	0.06	0.03	0										
	25			1.56		1.53	1.39	1.25	1.11	0.97	0.83	0.69		0.56	0.42	0.28	0.14	0.07	0										
	50			3.13		3.06	2.78	2.50	2.22	1.94	1.67	1.39		1.11	0.83	0.56	0.28	0.14	0										
187.5	10				0.63				0.53	0.49	0.44			0.31	0.27	0.22	0.18			0.13	0.09	0.07	0.04	0.02	0				
	25				1.56				1.33	1.22	1.11			0.78	0.67	0.56	0.44			0.33	0.22	0.17	0.11	0.06	0				
	50				3.13				2.67	2.44	2.22			1.56	1.33	1.11	0.89			0.67	0.44	0.33	0.22	0.11	0				

CHART - C9

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																										
		50	100	150	200	300	400	500	600	700	800	900	1000	1200	1400	1500	1600	1700	1800	1900	2000	2400	2600	2800	3000			
50	10	0.50	0.47		0.42	0.37	0.32	0.26	0.21	0.16	0.11	0.05	0															
	25	1.25	1.18		1.05	0.92	0.79	0.66	0.53	0.39	0.26	0.13	0															
	50	2.50	2.37		2.11	1.84	1.58	1.32	1.05	0.79	0.53	0.26	0															
	80	4.00	3.79		3.37	2.95	2.53	2.11	1.68	1.26	0.84	0.42	0															
100	10		0.50		0.47		0.42		0.37		0.32		0.26	0.21	0.16	0.13	0.11	0.08	0.05	0.03	0							
	25		1.25		1.18		1.05		0.92		0.79		0.66	0.53	0.39	0.33	0.26	0.2	0.13	0.07	0							
	50		2.50		2.37		2.11		1.84		1.58		1.32	1.05	0.79	0.66	0.53	0.39	0.26	0.13	0							
	80		4.00		3.79		3.37		2.95		2.53		2.11	1.68	1.26	1.05	0.84	0.63	0.42	0.21	0							
150	10			0.50	0.49		0.46		0.42		0.35	0.32	0.28		0.25		0.21		0.18	0.11	0.07	0.04	0					
	25			1.25	1.23		1.14		1.05		0.88	0.79	0.7		0.61		0.53		0.44	0.26	0.18	0.09	0					
	50			2.50	2.46		2.28		2.11		1.75	1.58	1.40		1.23		1.05		0.88	0.53	0.35	0.18	0					
	80			4.00	3.93		3.65		3.37		2.81	2.53	2.25		1.96		1.68		1.4	0.84	0.56	0.28	0					

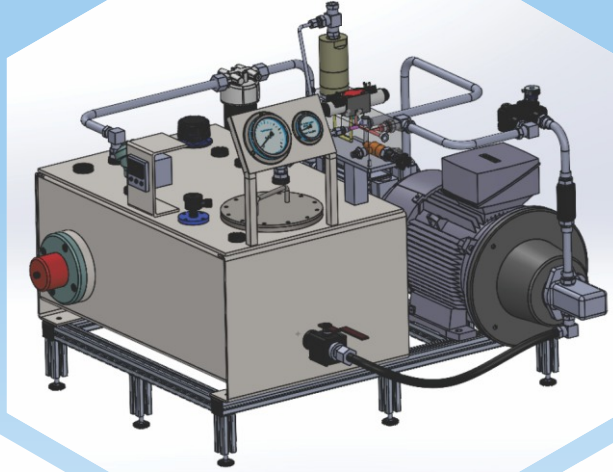
CHART - C10

INPUT PRESSURE SETTING BAR	INPUT FLOW LPM @ 0 BAR	DYNAMIC FLOW LPM @ OUTPUT PRESSURE																		
		50	100	150	200	400	500	800	1000	1250	1500	2000	2500	3000	3500	3750	4000	4500	5000	
50	20	0.80			0.70	0.57		0.30	0.17	0										
	40	1.60			1.40	1.13		0.60	0.33	0										
	80	3.20			2.80	2.27		1.20	0.67	0										
100	20		0.80					0.67	0.50		0.33	0.17	0							
	40		1.60					1.33	1.00		0.67	0.33	0							
	80		3.20					2.67	2.00		1.33	0.67	0							
150	20			0.80	0.79		0.72		0.61		0.50	0.39	0.28	0.17	0.06	0				
	40			1.60	1.58		1.44		1.22		1.00	0.78	0.56	0.33	0.11	0				
	80			3.20	3.16		2.89		2.44		2.00	1.56	1.11	0.67	0.22	0				
200	20				0.80		0.75		0.67		0.58	0.5	0.42	0.33	0.25			0.17	0.08	0
	40				1.60		1.50		1.33		1.17	1.00	0.83	0.67	0.50			0.33	0.17	0
	80				3.20		3.00		2.67		2.33	2.00	1.67	1.33	1.00			0.67	0.33	0

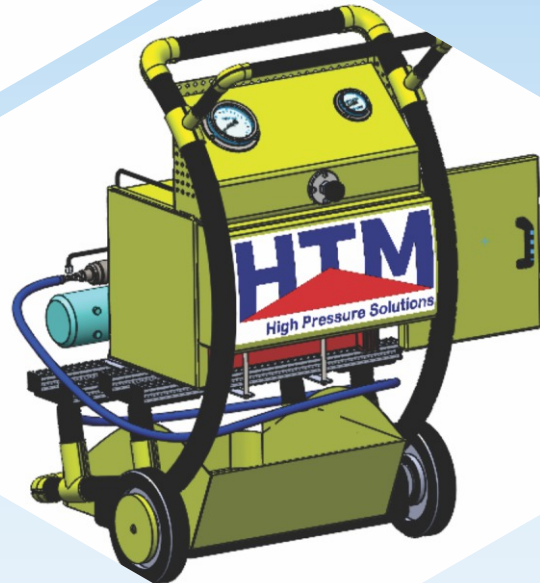
HIGH PRESSURE POWER UNIT

300 BAR TO 5000 BAR

STATIONARY - AC



PORTABLE - AC



PORTABLE - DC



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