

FIABLE HYDRAULICS PVT.LTD

www.fiablehydraulics.in

HYDRAULIC POWER UNIT

HYDRAULICS



























About Fiable Hydraulics Pvt. Ltd.

Established in 2017 and headquartered in Pune, Fiable Hydraulics Pvt. Ltd. has steadily evolved into a trusted name in the design, manufacturing, and servicing of high-performance hydraulic systems and components. What began as a modest operation has now grown into a dynamic enterprise catering to a wide range of industrial sectors across India.

From the outset, Fiable has focused on quality, reliability, and customer-centric solutions in hydraulic cylinders, power packs, and material handling systems. Our consistent commitment to technical excellence and customer satisfaction has enabled us to expand our operations and build long-term relationships with clients and partners.

Today, Fiable Hydraulics operates out of a well-equipped facility, delivering solutions that meet global quality standards. Our team of skilled engineers and technicians ensures efficient design, production, and after-sales support, backed by years of practical experience.

By collaborating with industry leaders and maintaining direct access to reputed component manufacturers, we are able to offer high-quality hydraulic products at competitive prices. Through continuous innovation and a deep understanding of our customers' needs, Fiable has earned a strong market reputation for dependable products and responsive service.

With a growing portfolio and an expanding client base, we continue to evolve—driven by technology, guided by experience, and committed to excellence.





Our Core Areas of Expertise

At Fiable Hydraulics Pvt. Ltd., we specialize in both in-house manufacturing and distribution of a comprehensive range of hydraulic solutions. Our primary areas of focus include:

Custom-designed hydraulic systems
Hydraulic power packs and mini power packs
Hydraulic cylinders tailored to application needs
Filtration units and hose assemblies

Distribution of all essential components used in power hydraulics

We are continually investing in infrastructure, technology, and skill development to enhance our customer service and deliver only high-quality, reliable products.

With upcoming expansions and strategic investments, our goal is to serve you even better and meet your evolving expectations with precision, speed, and professionalism.

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1.

HYDRAULIC POWER PACKS - STANDARD

TYPE AH Main features:

- Nominal pressure 210bar
- Maximum pressure 350bar
- Electric motors up to 7,5 kW $\,$
- Steel or aluminum version
- Tank capacity from 12 to 150 l

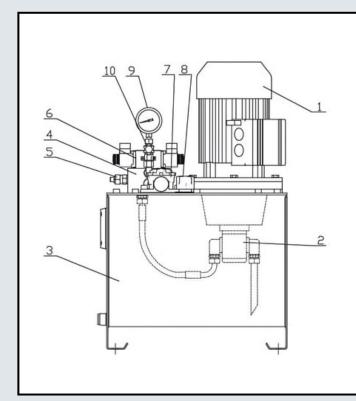




Type AH - Introduction

Application: Hydraulic power packs AH type are designed to drive and control hydraulic actuators used in mobile and industrial applications. They may be used especially in presses, lifts, cranes, elevators, platforms etc. AH type power packs are available with different assembly variants for electric motors, pumps and tanks.

Design: In standard version, AH power pack is composed of vertical motor-pump unit, steel or aluminium reservoir with return filter (with visual clogging indicator), flow and pressure control valves, and solenoid operated directional valve. In order to meet requirements of specific hydraulic systems, standard version may be modified by using additional valves and blocks.



Basic version of AH type power pack is composed of:

- 1 electric motor
- 2 hydraulic gear pump
- 3 oil tank
- 4 valve manifold
- 5 relief valve
- 6 solenoid operated directional control valve (NG6 or NG10)
- 7 return filter with visual clogging indicator
- 8 filling plug with air filter
- 9 pressure gauge
- 10 pressure gauge's shut-off valve

Type AH - Ordering code

Type

Tank Capacity

Pump displacement 3 (cm /rev) (Tab.3)

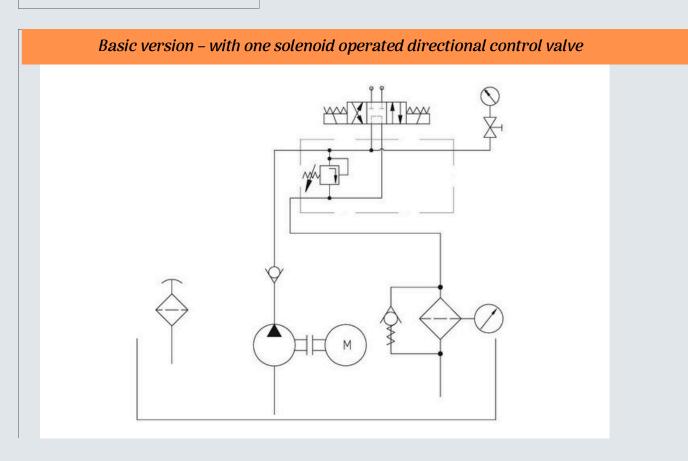
Power of electric motor

(kW)

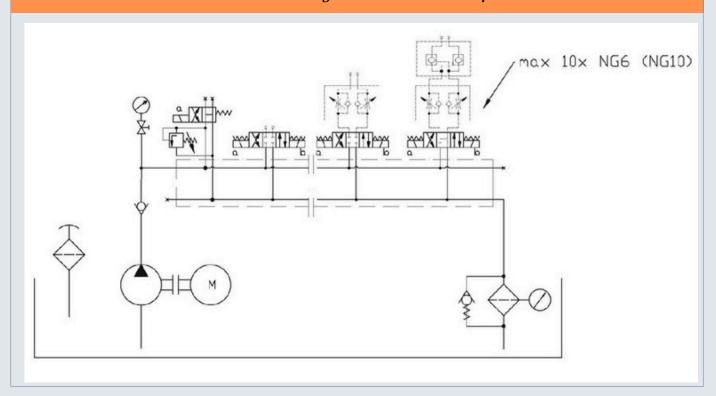
Design number

^{*} Design number is a specific code describing each power unit and it is given by the Technical Department

Type AH - Hydraulic schemes



Version with a manifold containing 2 or more solenoid operated valves







Type AH - Special executions

Basic version may be modificated by using monoblock valve or by complete removal of directional valves. On customer's demand or when it is necessary, it is possible to upgrade AH type power pack to special executions as follows:

- 1 with proportionals
- 2 with heat exchangers (coolers and/or heaters)
- 3 with multiple pumps or several independent pump units
- 4 with fixed or variable displacement vane or piston pumps 5 with additional hand pump
- 6 with control valves in sizes: NG 16, NG25, NG 32
- 7 with optional: pressure switches, transducers, pressure filters
- 8 with other single-phase motor or DC motors
- 9 with stainless steel elements

Type AH - Basic hydraulic characteristics

Installation position	Horizontal, with vertical motor axis
Ambient temperature	-20°C - +50°C
Recommended temperature	30°C - 50°C
Fluid temperature	-15°C - 70°C
Fluid	Mineral oil type HLP
Recommended viscosity	20mm2 /s - 100mm2 /s
Degree of fluid contamination	Class 21/18/15 according to ISO 4406
Electric motor	4-pol., 230/400 V, 400/690 V -50Hz
Pump type	Gear pump
Port sizes	G3/8", G1/2", G3/4"
Tank capacity	Depending on duty cycle and flow level

AH

HYDRAULIC POWER UNIT- STANDARD

Type AH - Hydraulic characteristics - Tab.1

Pump displacement	Flow rate at 1450 rpm			Maximu	ım pres	sure [M	1Pa] wi	th mot	or pov	ver of		Suggested unit size
3 (cm /rev)	[l/min]	0,37kW0,55 kW0,75kW		1,1kW	1,5kW	2,2kW 3	3kW	4kW	5,5kW 7,5kW		unit size	
1,17		12	18	22								AH-20-
2,6	3,8	6	8	12	17	22						
4,16	6		5	7,5	11	14	21	23				
6,5	9,4		3,5	4,5	7	9,5	14	19	23			AH-35-
7,54	10,9			4	6	8	12	16	21	23		
8,4	12,2				5	7	10.5	14	19	20		
10,8	15,7				4	5.5	8	11	15	15	23	AH-35-
14,4	20,9						6	8	11	13	20	
16,8	24,4						5	7	9	11	17	
19,2	27,8							6	8	9	15	AH-50-
22,8	33,1							5	7	8	13	
26,2	38								6	6.5	11	
32,3	46,8								5	5.5	9	AH-100/
38,5	55,8									5	7.5	AH- 150-
43,4	63										6.5	
47,2	68,4										6	
50,9	73,8										5.5	

Attention: Following characteristics refer to three-phase motors (Tab.2) and gear pumps (Tab.3). For other configurations, contact our Technical Department

Type AH - Standard three-phase motors - Tab.2

Motor power	0,37 kW(),55 kW0,	75 kW1,1	kW1,5 k\	N	2,2 kW	3kW	4kW	5,5kW	7,5kW	
Nominal voltage		230/400V 50Hz* 400/690V 50Hz*									
Motor size	71	71 80			0	100	100		132		
Rated speed [rev/min]	1370	1395	1395	1415	1420	1420	1420	1440	1455	1455	
Dimension L max	225	252	252	299	299	331	331	352	396	396	

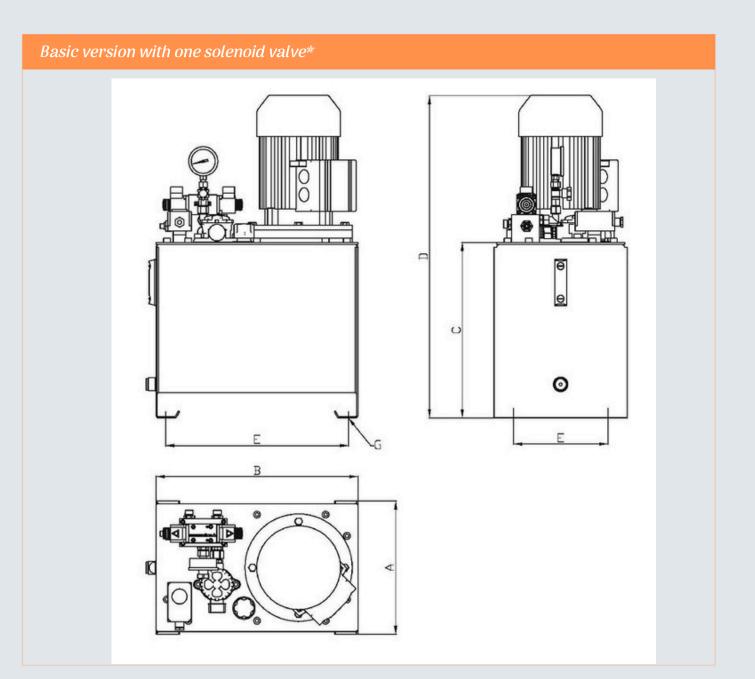
Type AH - Standard gear pumps - Tab.3

Type	XV-1P/1,2	XV-1P/2,6X	V-1P/3,8	XV-1P/4,3	XV-1P/6,5X	V-1P7,8	XV-2P/09	XV-2P/11	XV-2P/14
Displacement 3 [cm /rev]	1,17	2,6	3,64	4,16	6,5	7,54	8,4	10,8	14,4
Type	XV-2P/17	XV-2P/19 >	(V-2P/22	XV-2P/26	XV-3P/32	XV-3P/38	XV-3P/43	XV-3P/47	XV-3/P51
Displacement 3 [cm /rev]	16,8	19,2	22,8	26,2	32,3	38,5	43,4	47,2	50,9





Type AH - Dimensions and tank capacities - Steel execution



Type		Steel execution (Tab. 1.1)											
Type ——AH-20	Capacity [l]	А	В		Dmax			G					
AH-35	20	310	400	334		355	220	11					
AH-50	35	310	470	409		425	220	11					
AH-75	50	400	500	430	C+Lmax	455	310	11					
AH-100	85	400	550	541	(tab.3.)	505	310	11					
AH-100 AH-150	109	400	700	542		655	310	11					
AH-130	145 500 750	632		705	410	11							



Type AH - Dimensions and tank capacities - Steel execution

Version with two or more solenoid valves* max 630 (10x NG6) 00 00 B

Туре		Steel execution (Tab. 1.1)											
AH-20	Capacity [l]	А	В		Dmax			G					
AH-35	20	310	400	334		355	220	11					
AH-50	35	310	470	409		425	220	11					
AH-75	50	400	500	430	C+Lmax	455	310	11					
AH-100	85	400	550	541	(tab.3.)	505	310	11					
AH-150	109	400	700	542		655	310	11					
AIT-130	145	500	750	632		705	410	11					

^{*} For other capacities, sizes and configurations, contact our Technical Department





Type AH - Dimensions and tank capacities - Aluminium execution

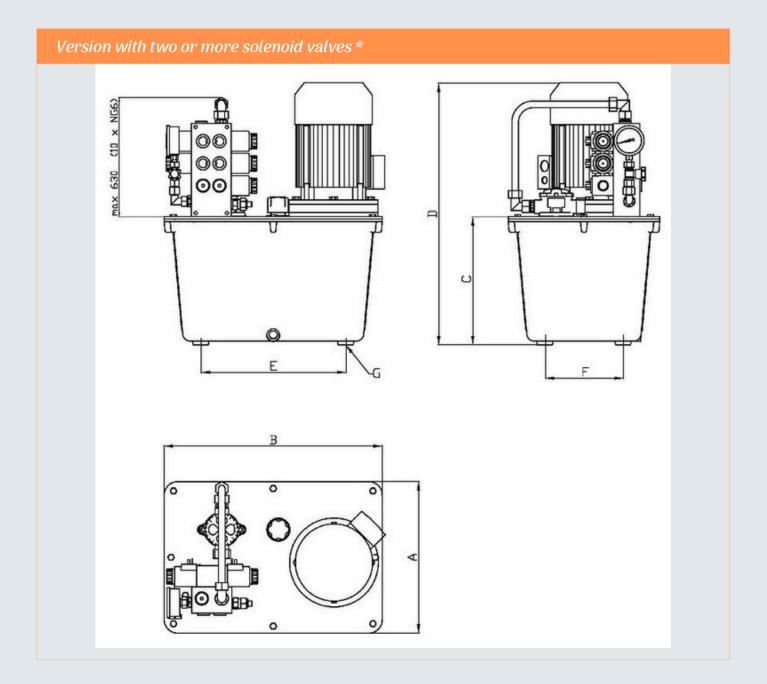
Basic version with one solenoid valve*

_		Aluminium execution (Tab. 1.2)										
Type	Capacity [l]		В		D							
AH-12A	11	240	310	215		225	155	M8				
AH-20A	17	288	366	245		270	192	M8				
AH-30A	26	341	491	285	C+Lmax (tab.3.)	326	176	M10				
AH-44A	40	415	515	315	((ab.3.)	341	241	M10				
AH-70A	63	465	605	365		422,5	282,5	M10				



HYDRAULIC POWER UNIT- STANDARD

Type AH - Dimensions and tank capacities - Aluminium execution



Type	pe Aluminium execution (Tab. 1.2)											
	Capacity [l]		В		D							
AH-12A	11	240	310	215	C+Lmax (tab.3.)	225	155	M8				
AH-20A	17	288	366	245		270	192	M8				
AH-30A	26	341	491	285		326	176	M10				
AH-44A	40	415	515	315		341	241	M10				
AH-70A	63	465	605	365		422,5	282,5	M10				

^{*} For other capacities, sizes and configurations, contact our Technical Department



HYDRAULIC POWER UNIT- COMPACT



2.

HYDRAULIC POWER PACKS - COMPACT

TYPE MH

Main features:

- Nominal pressure to 21MPa
- Nominal flow rate at to 11,5 l/min
- Modular and compact design
- Multiple configurations available
- Motors for AC and DC voltages



SUBMERSIBLE TANK TANK-25LTRS-V2-194W



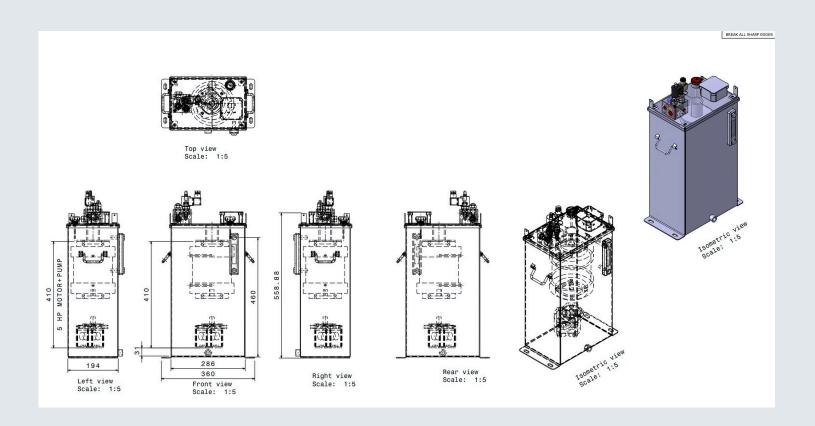
1.

SUBMERSIBLE TANK TANK-25LTRS-V2-194W

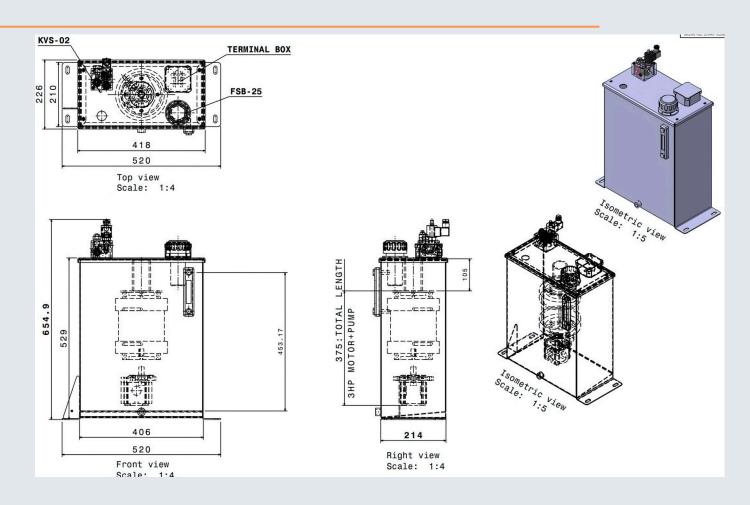
Main features:

- Key Features
- Capacity Range: 25L, 40L, 60L, 80L, 100L, 120L
- Compact Design: Optimized footprint for easy integration in power units.
- High Durability: Fabricated with ISO 2768 mk tolerance standards.
- Pump & Motor Ready: Designed for smooth compatibility with HP motors and pumps.
- Leak-Proof Construction: Precision machining ensures rigid, accurate assembly.
- Corrosion Protection: High-quality surface coating for extended life.
- CE Certified: Meets stringent global safety and performance benchmarks.
- Technical Highlights
- Material: High-grade raw material for structural strength.
- Tolerances: General tolerances as per ISO 2768 mk standards.
- Machining: Precision-engineered with dowel-to-tapped and clearance-hole accuracy.
- Assembly: Includes top, bottom, side, and rear views for comprehensive fitting.

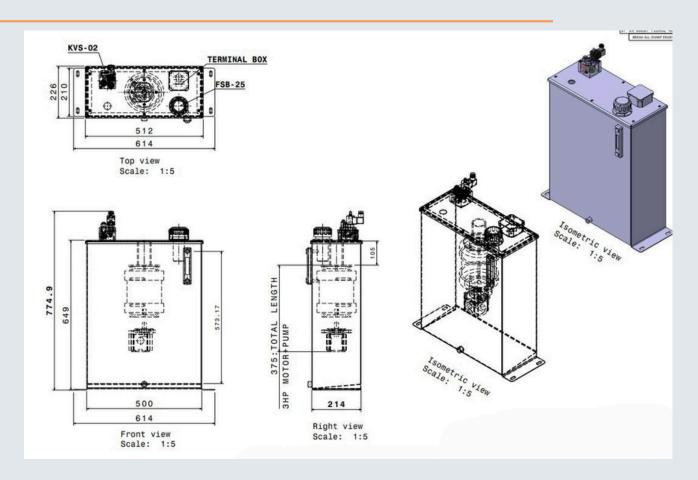
SUBMERSIBLE TANK TANK-25LTRS-V2-194W



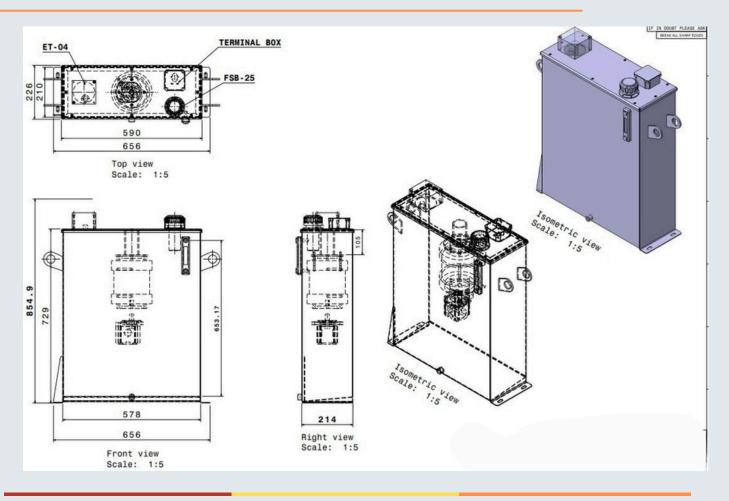
SUBMERSIBLE TANK TANK-40LTRS-V2-214W



SUBMERSIBLE TANK TANK-60LTRS-V2-214W

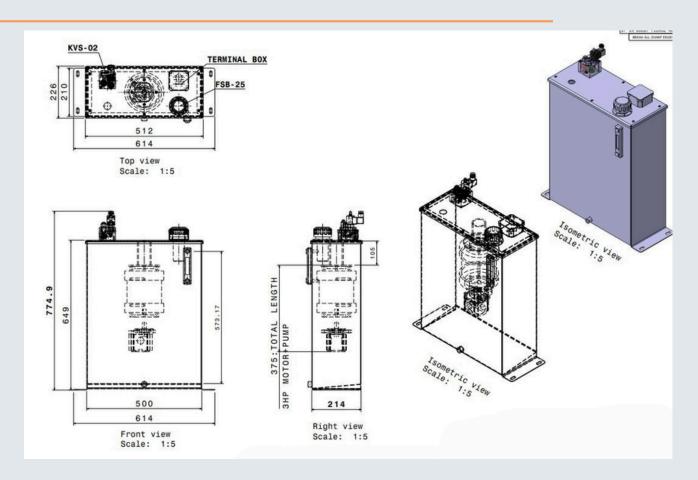


SUBMERSIBLE TANK TANK-80LTRS-V2-214W





SUBMERSIBLE TANK TANK-100LTRS-V2-214W



SUBMERSIBLE TANK TANK-80LTRS-V2-214W

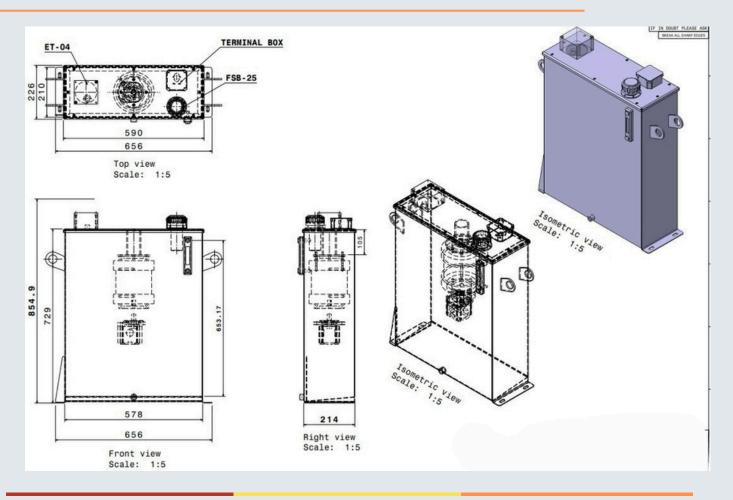




TABLE TOP HYDRAULIC POWER PACK



Hydraulic Power Pack Units (25L / 40L / 80L / 100L / 120L)

Product Overview

Fiable Hydraulics' Hydraulic Power Pack Units are engineered to deliver reliable, efficient, and compact performance across a wide range of industrial and mobile hydraulic applications. Designed with reservo capacities from 25 litres to 120 litres, these units integrate the motor, pump, valves, and hydraulic accessories in a robust assembly, ensuring durability, ease of maintenance, and CE-certified safety standards.

Key Features

Capacity Options: Available in 25L, 40L, 80L, 100L, and 120L configurations.

Compact & Flexible Design: Optimized for easy system integration and table-top mounting.

Motor & Pump Assembly: B5 flange-mounted motors with Dowty-type hydraulic pumps.

Leak-Proof & Durable: Precision-machined tanks with ISO 2768 mk tolerances.

CE Certified: Designed to meet international safety and performance standards.

Easy Maintenance: Accessible layout for servicing filters, gauges, and valves.

Technical Highlights

Motor Range: 2 HP / 3 HP / 5 HP (depending on tank size)

Pump Flow Rate: 5 LPM - 20 LPM

Operating Pressure: Up to 170 Bar (adjustable with relief valve)

Reservoir Capacities:

40 Litres 80 Litres 100 Litres 120 Litres

25 Litres

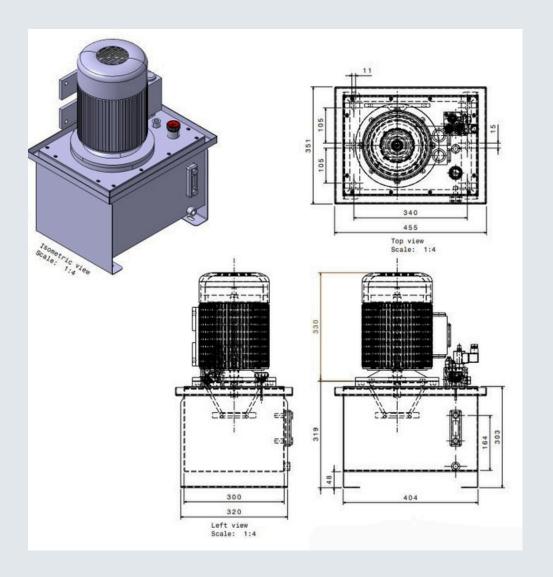


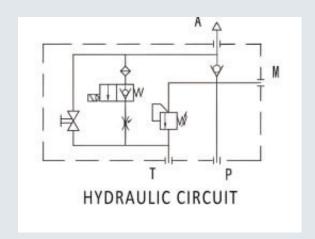
TABLE TOP HYDRAULIC POWER PACK



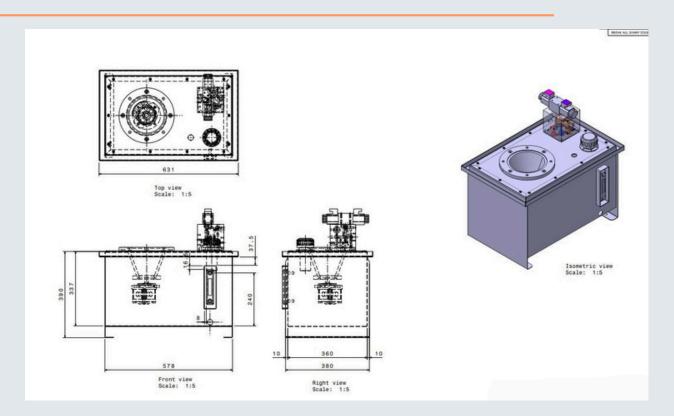


TANK-25/30LTR - TABLE TOP

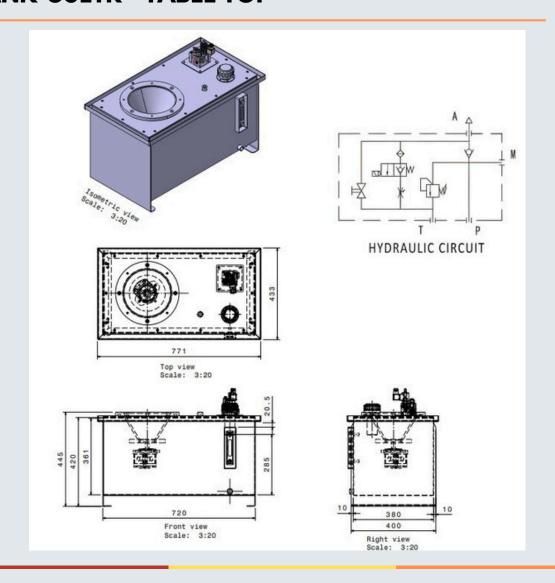




TANK-40LTR - TABLE TOP



TANK-80LTR - TABLE TOP



MH

HYDRAULIC POWER UNIT- COMPACT

Type MH - Introduction

Application

Fiable Compact Hydraulic Power Pack (MH Series)

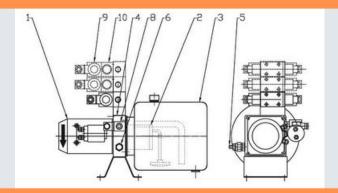
The MH Series Compact Hydraulic Power Packs by Fiable Hydraulics Pvt. Ltd. are engineered to efficiently drive and control hydraulic actuators across both industrial and mobile applications. These power packs are designed with versatility in mind, offering multiple assembly options for electric motors, pumps, and tanks. Their modular construction enables thousands of compact and space-saving configurations tailored to meet diverse application needs.

Design Highlights

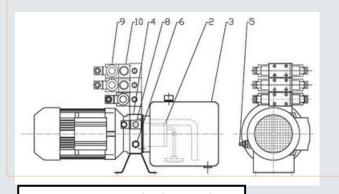
The standard Fiable MH Series Power Pack features an integrated system comprising a high-performance electric motor, hydraulic pump, oil reservoir, and a central manifold with built-in control valves. This base model can be further customized by incorporating modular valve assemblies, allowing for flexible hydraulic circuits and application-specific configurations.

Whether you're working in automation, material handling, construction equipment, or mobile systems, the Fiable MH Series ensures compact size, customizability, and reliable operation.

Version with DC motor and steel tank



Version with AC motor and steel tank



Type MH - Ordering code

MH

Power Pack type *5S*

Tank type (Tab. 2) *G*1,*6*

Pump displacement 3 (cm /rev.) (Tab.3) Basic version of MH type power pack is Composed of:

- 1 AC or DC motor
- 2 Hydraulic gear pump
- 3 Oil tank
- 4 Central manifold
- 5 Pressure relief valve
- 6 Check valve
- 7 Manometer or pressure gauge

Additionally basic version may be extended by using:

- 8 Solenoid operated on-off valve (NO or NC)
- 9 Solenoid operated directional valvesNG 6 for subplate mounting
- 10 Modular NG6 pressure and flow control valves

2,2

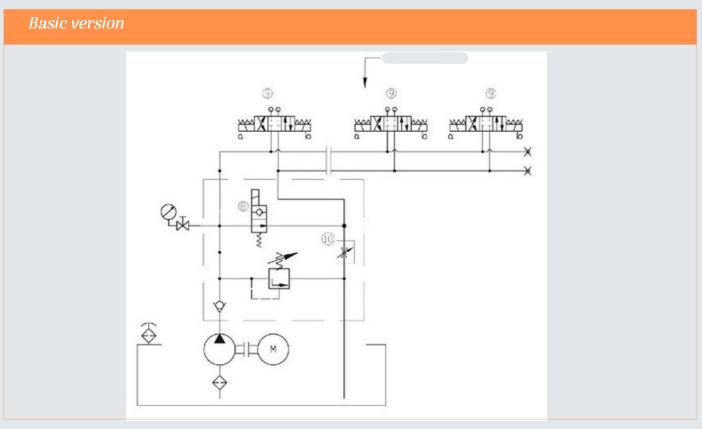
Pump displacement 3 (cm /rev.) (Tab.3) 24DC

Nominal voltage XXXX*
Design number





Type MH - Hydraulic scheme



Note: Valves 8, 9, and 10 are optional. For custom configurations, please contact Fiable Hydraulics Technical Team.

Type MH - Basic hydraulic characteristics

Installation position	Horizontal or vertical
Ambient temperature	-20°C - +50°C
Recommended temperature	30°C - 50°C
Fluid temperature	-15ºC - 70ºC
Fluid	Mineral oil type HLP
Recommended viscosity	20 mm2 /s - 100 mm2 /s
Degree of fluid contamination	Class 21/18/15 according to ISO 4406
Nominal voltage	For AC: 230/400V 50Hz For DC 12 or 24V
Pump type	Gear pump (Tab.3)
Tank capacity	Depended on flow rate and duty cycle (Tab.2)



Type MH - Tank types and capacities - Tab.2

Mate	rial			S	Steel		Plastic				
Тур	oe e	2,5 S	5 S	10 S	12 S	20 S	30 S	1,5 P	3 P	6 P	8 P
Capo	icity	2,5 dm3	5 dm3	10 dm3	12 dm3	20 dm3	30 dm31	,5 dm3	3 dm3	6 dm3	8 dm3
suc	L	235	300	262	380	293	423	135	250	350	375
Dimensions	D	130	180	220	220	-		-	-		-
Dim	AxB	-	-	-	-	350	×280		170×140)	170×140

^{*} Other tanks are available on request

Type MH - Pump types and displacements - Tab.3

Pump types	G0,8	G1,1	G1,6	G2,1	G2,6	G3,2	G3,7	G4,2	G4,9	G6,0	G7,9
q[cm3 /rev]	0,85	1,1	1,6	2,1	2,6	3,2	3,7	4,2	4,9	6	7,9
p [bar]	210	210	210	210	210	190	190	190	170	170	160

^{*} Optionally 0,2- 0,6 cm /rev and 9,8 cm /rev and high pressure pumps are available.

Type MH - Standard three-phase motors - Tab.4

Power	0,25 kW	0,37 kW0	,55 kW0,	55 kW1,1	kW1,5 k\	V	2,2 kW	3 kW			
Nominal voltage		230/400V 50Hz									
Motor size	71		80		90		100				
Rated speed [rev/min]	1350	1370	1395	1395	1415	1420	1420	1420			
Length A**	210+20	210+20	233,5+22	233,5+22	281+32	281+32	372+58	372+58			
Diameter AC	145	145	163	163	180	180	203	203			

^{*} For other voltages contact our Technical Department



^{**} Length A consists of motor and flange lengths



Type MH - Hydraulic characteristics for three-phase AC motors

Pump type Pump type	Rated flow at	Maximum pressure [MPa] with motor power of:								
rump type	1450rev/min	0,25 kW	0,37 kW	0,55 kW	0,75 kW	1,1 kW	1,5 kW	2,2 kW	3 kW	
G 0,8	1,16	11	16							
G 1,1	1,6	8	12	17						
G 1,6	2,32	5	8	12	16					
G 2,1	3,05		6	9	12	18				
G 2,6	3,77		5	7	10	15	20			
G 3,2	4,64			6	8	12	16			
G 3,7	5,37				7	10	14	21		
G 4,2	6,09					9	12	18		
G 4,9	7,11					8	11	15	21	
G 6,0	8,7						9	13	17	
G 7,9	11,46						7	10	13	

^{*} Calculation made for three-phase motors

Type MH - Standard DC motors - Tab.5

Power *	0,5 kW	0,8 kW	1,6 kW	2,1 kW	0,8 kW	2,2 kW	3 kW
Nominal voltage	12V	12V	12V	12V	24V	24V	24V
Current [A]	90	150	210	300	75	130	100
Nominal duty cycle	S2:5min S3:17%ED	S2:4min S3:10%ED	S2:5min S3:10%ED	S2:4min S3:12%ED	S2:4min S3:10%ED	S2:2,5min S3:10%ED	S2:4min S3:7,5%ED
Rated speed [rev/min]	1700	2100	2800	2400	2400	2400	3500 237
Length A	139	139	162	162 114	139 80	162	125
Diameter AC	80	80	114	114	- 00	114	

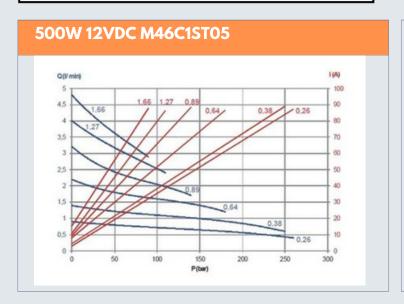
^{*} For motors with other power (up to 4 kW) contact our Technical Department

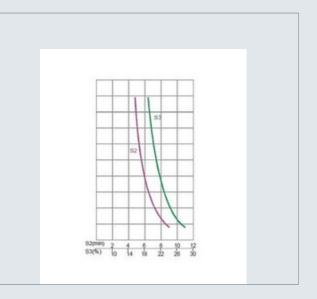


^{**} For single-phase motors parameters should be 10 - 15% lower (consult with our Technical Department)

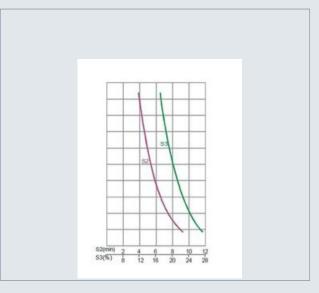
^{***} For other pumps contact our Technical Department

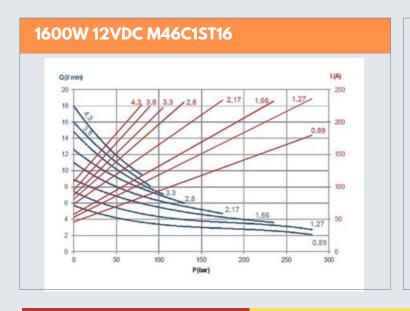
Type MH - Hydraulic characteristics for DC motors

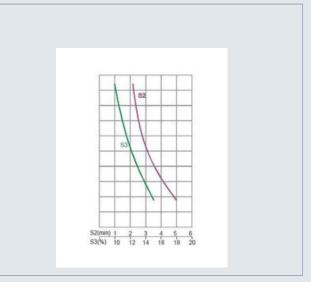








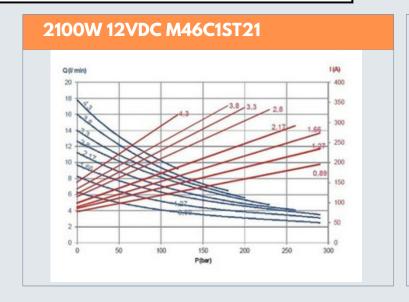


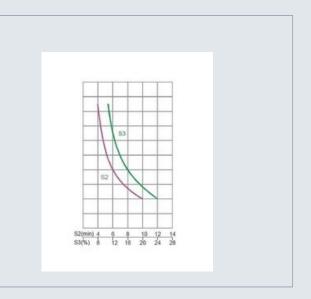




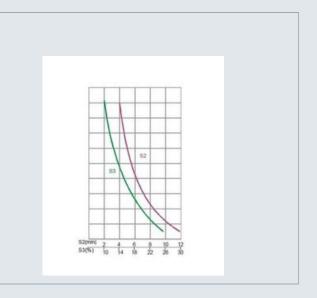


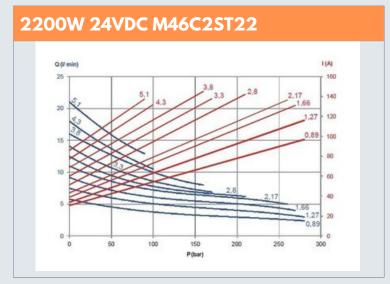
Type MH - Hydraulic characteristics for DC motors

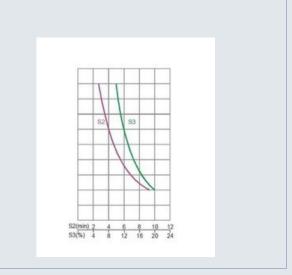










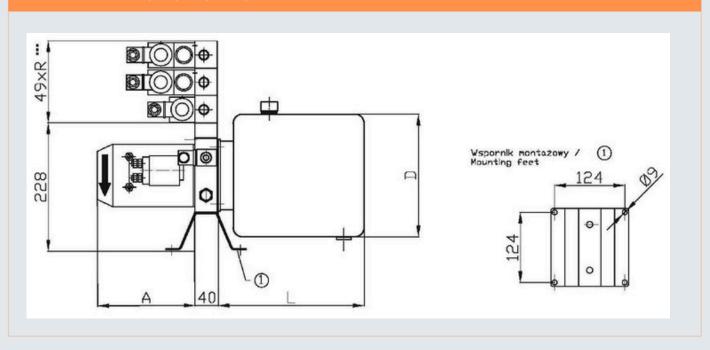


 $[\]ensuremath{^{\star}}$ For specific parameters and duty cycles contact our Technical Department



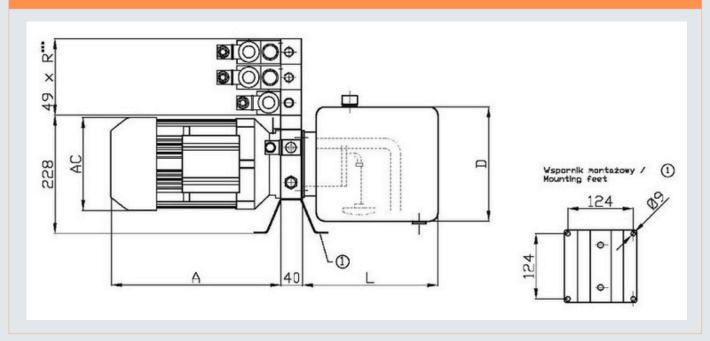
Type MH - Hydraulic characteristics for DC motors

Version with: 2,5S, 5S, 10S, 12S tanks*



Type MH - Three-phase AC motor version - Dimensions

Version with: 2,5S, 5S, 10S, 12S tanks*



- * For tanks: 1,5P, 3P, 6P, 8P and 20S and 30S contact our Technical Department
- ** Dimensions A and AC- see Tab.4
- *** "R" means quantity of NG6 stations





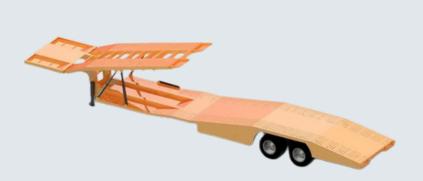














CE Certified Quality Assurance

Fiable Hydraulics Pvt. Ltd. is proud to be CE Certified under the Pressure Equipment Directive 2014/68/EU, ensuring our products meet the highest international standards of safety, reliability, and performance.

Certification Details:

Certificate Number: CE-1225

Issued By: UK Certification and Assessment Ltd. (UKAS)

Validity: 31st July 2025 - 30th July 2028

Scope: Design and Manufacturing of Hydraulic Cylinders, Hydraulic Power Units, and Hydraulic Components. This certification confirms that our design, manufacturing, and inspection processes undergo continuous surveillance and meet stringent European quality and safety benchmarks.

With the CE mark, Fiable Hydraulics products are trusted globally for their compliance, durability, and reliability across diverse applications.

CERTIFICATE OF COMPLIANCE



UK CERTIFICATION AND ASSESSMENT LTD.



We hereby declare that the technical file of product complied with the requirement of Council Directive on Pressure Equipment Directive 2014/68/EU.

Manufacturer

: FIABLE HYDRAULICS PRIVATE LIMITED

Address : PLOT NO. PAP-V-75, MIDC PHASE II ROAD KHED WASULI CHAKAN PUNE

MAHARASHTRA 410501

Products : DESIGN AND MANUFACTURING OF HYDRAULIC CYLINDERS, POWER-UNITS

AND HYDRAULIC COMPONENTS.

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to Council Directive on Pressure Equipment Directive 2014/68/EU.

This certificate is issued under the following conditions:

- It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type examination procedures, if requested.

 The certificate remains valid until the manufacturing conditions or the quality systems are changed.

 The certificate validity is conditioned by positive results or surveillance audits.

 After fulfilling the relevant Standard testing performance, the manufacturer shall affix to each device, of the referenced models.

as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Validity of this certificate can be verified at https://www.ukascert.co.uk/verify.aspx

Certificate Number: CE-1225 Issue Date: 31st July 2025

Valid Until: 30th July 2028 1st Surveillance on or before: 30th July 2026 2nd Surveillance on or before: 30th July 2027

UK CERTIFICATION AND ASSESSMENT LTD.





UKASCER

Auth. Signatory

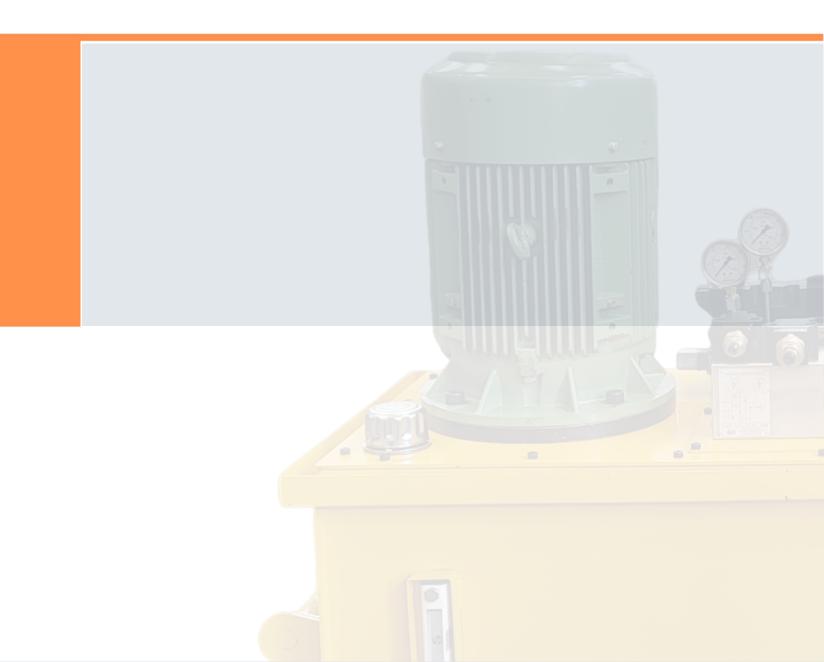
UK Certification and Assessment Ltd

Regd. Off: 71-75 Shelton Street London Greater London WC2H 9JQ UNITED KINGDOM Website:-www.ukascert.co.uk, Mail: info@ukascert.co.uk Company No. 12660984

(In case of surveillance audit is not allowed to be conducted: this certificate shall be suspended/withdrawn). This certificate is the property of UK Certification and Assessment Ltd and shall be returned immediately









ISO 9001:2015 Certified Company

Fiable Hydraulics Pvt Ltd

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Website: www.fiablehydraulics.in



