

## ▼ HE Heavy Duty Electric Hydraulic Pumps



### HE series

Maximum output pressure : 70MPa

Motor size : 1.1KW-7.5KW

Low pressure flow : 7-20L/Min

High pressure flow : 0.7-4.2L/Min

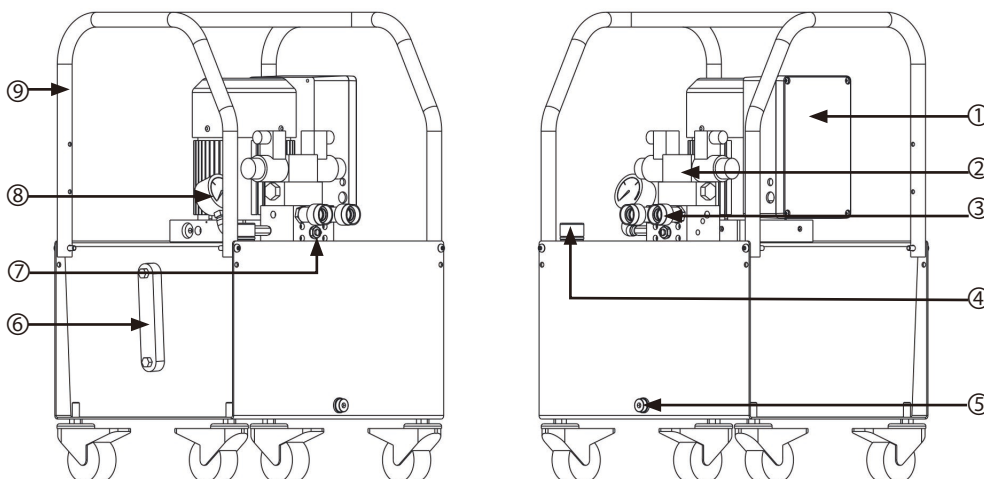
Reservoirs capacity : 10-200L

- IEC brushless motor, maintenance-free
- Gear pump+radial piston pump two-stage pump structure, high efficiency
- Motor pump head integrated design, light weight
- 75dB ultra-low noise
- Built-in safety valve, External adjustable relief valve
- Standard pressure gauge, threaded Oil Drain quick connector
- Standard visual Sight Glass, fuel outlet air filter, Oil Drain plug
- Standard pump start/stop switch, power plug cable
- Optional configuration: wire control handle, fuel tank lockable caster, protection frame, air cooled radiator, multiple valve groups, different operating voltages, etc

### ▼ HE series Type Specification Sheet:

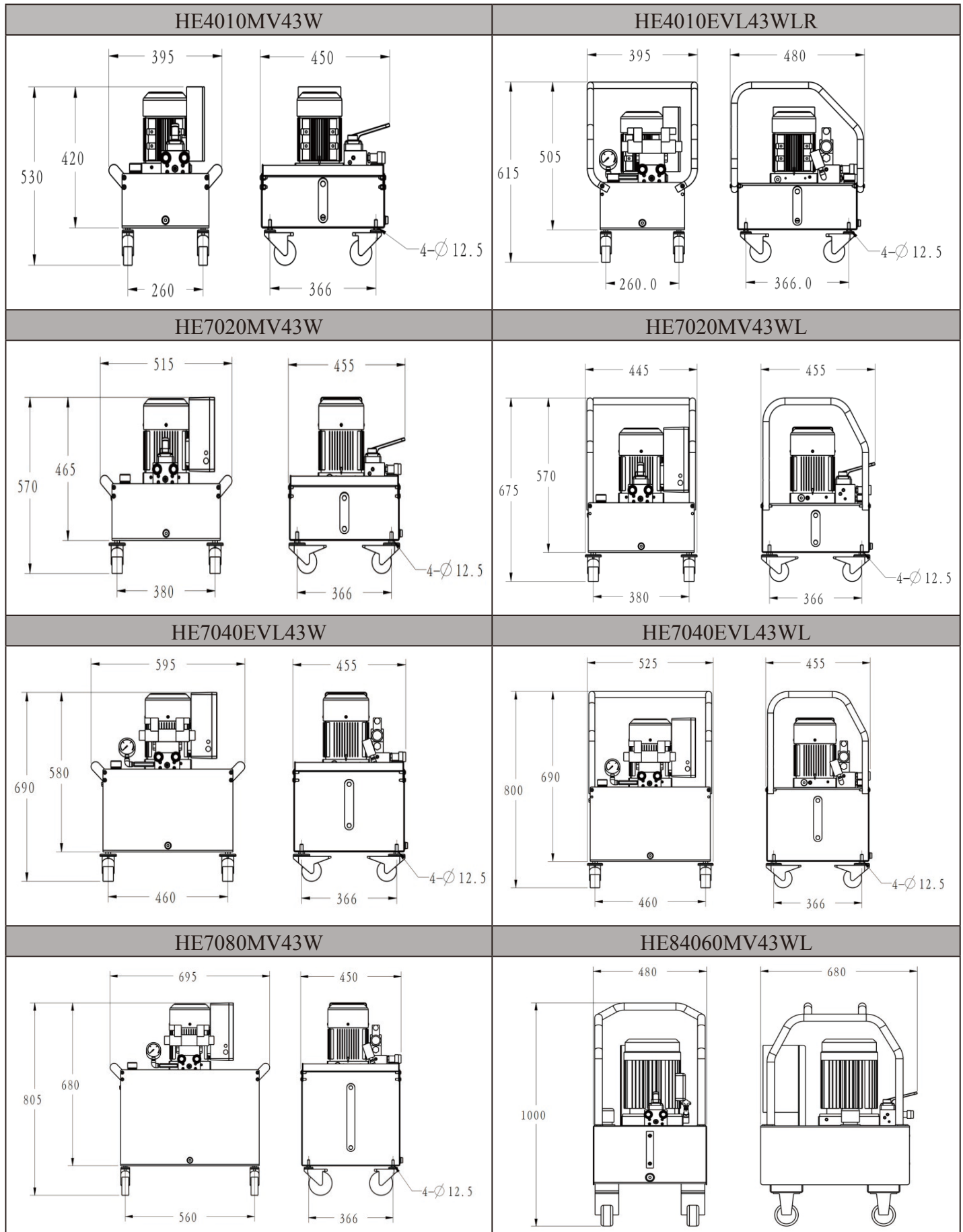
Model Numbe	Optional voltage(VAC)	Power phase number	Motor size (KW)	Low pressure flow (L/Min)	High pressure flow (L/Min)
HE4	230 (50HZ) / 115 (60HZ)	1	1.1	7	0.7
HE5	230 (50HZ) / 115 (60HZ)	1	1.5	9	1
HE6	380/220	3	1.5	9	1
HE7	380/220	3	2.2	12	1.5
HE83	380/220V/440	3	3	12	1.8
HE84	380/660/440	3	4	12	2.3
HE95	380/660/440	3	5.5	20	3
HE97	380/660/440	3	7.5	20	4.2

### ▼ HE Series Product Illustration:

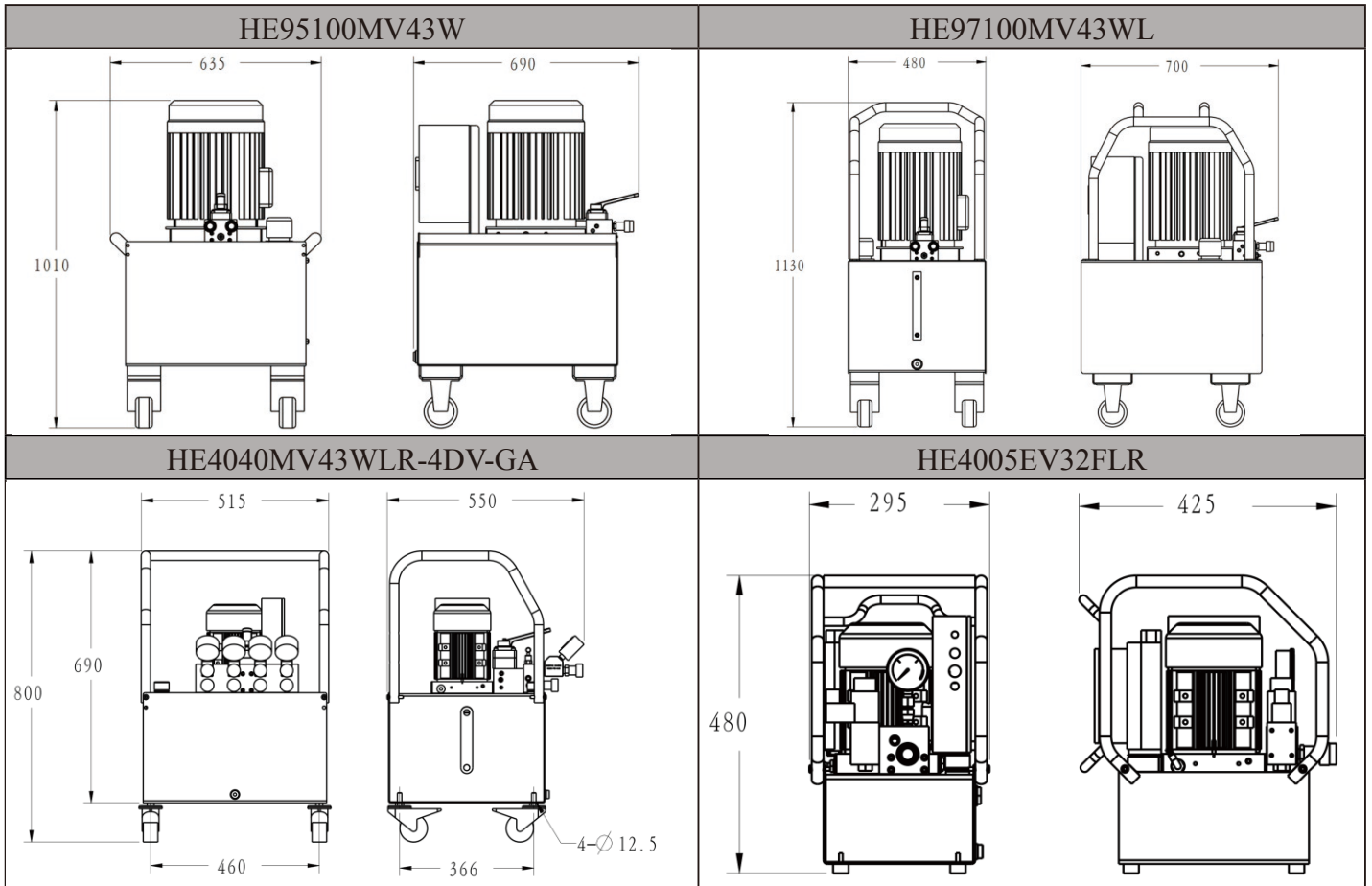


NO	Name
1	Electric Box
2	Solenoid Directional Valve
3	Couplers
4	Refueling And Exhaust Outlet
5	Oil Drain
6	Sight Glass
7	Relief Valve
8	Gauge
9	Protected Framework

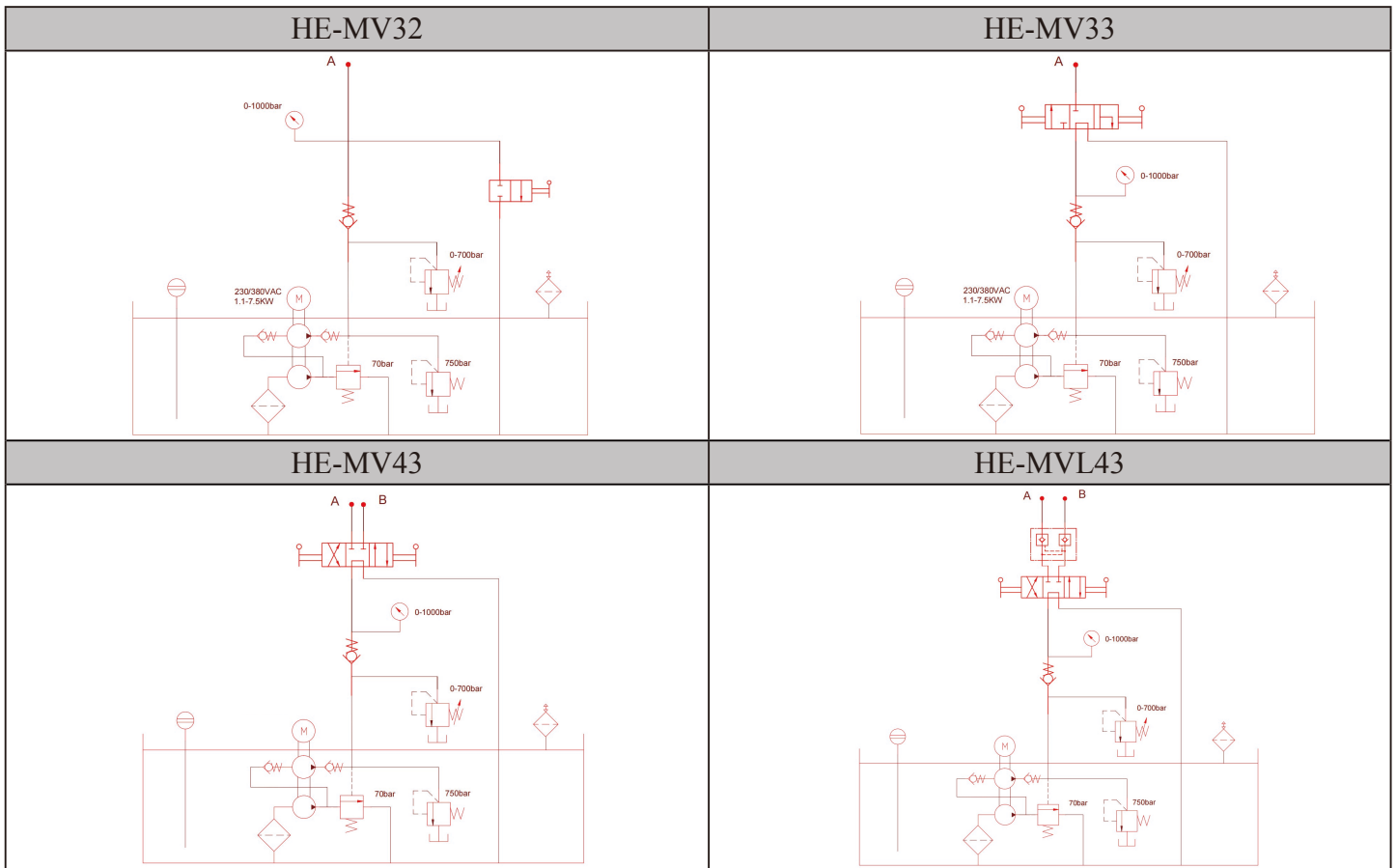
▼ HE series commonly used models outline size diagram:

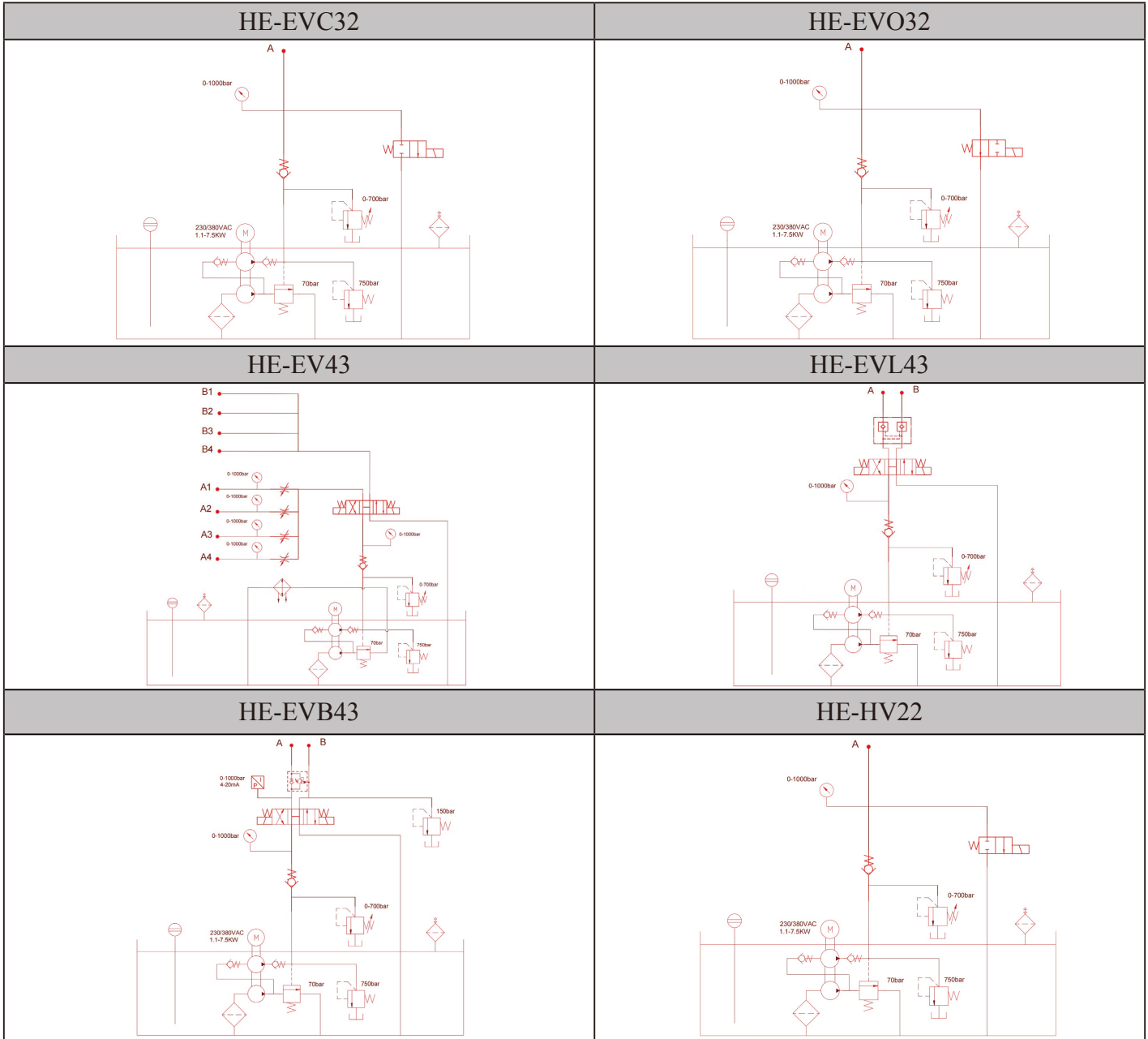


# Hydraulic Oil Cylinder Pumps (70MPa)

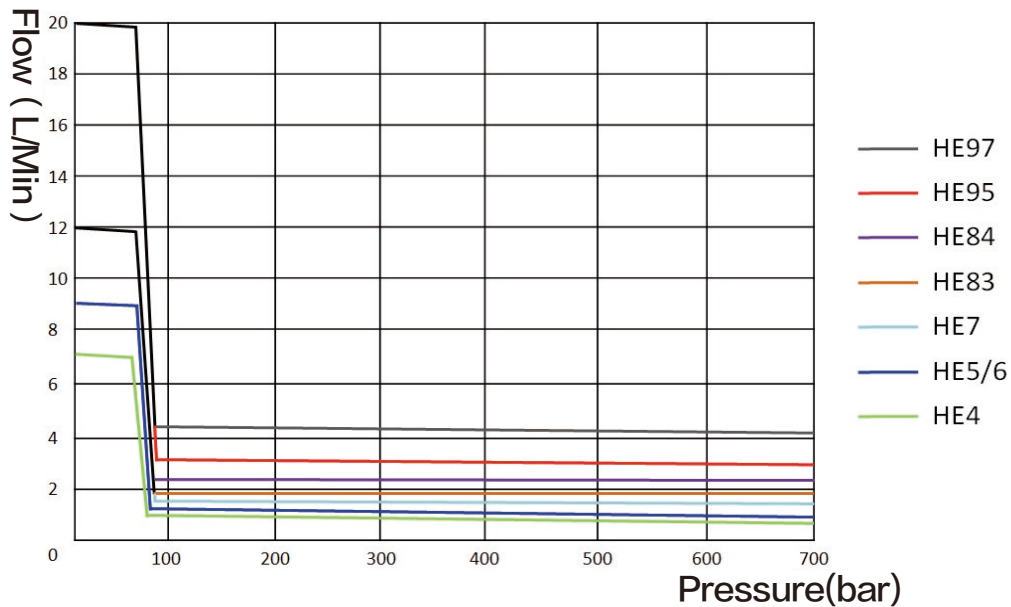


▼ Hydraulic schematic diagram :





▼ HE series pressure flow curve:



## ▼ HE Series Selection Table Tools:

Power	Tank Capacity	Function	Caster	Air-cooled Radiator	Protected Framework	Control way	Multi-way Valve	Relief Valve
HE4	•010	•MV32	•Blank (without casters)	• Blank (no air cooled radiator)	•Blank (standard handling handle)	•Blank (with pump start-stop switch)	•Blank (without multiple valves)	• Blank
HE4(115V)								
HE5	•020	•MV33					•-2SV(2-way single acting needle valve)	
HE5(115V)								
HE6	•040	•MV43				•R (wire handle)	•2SV-2GA	
HE6(220V)								
HE7	•060	•MVL43	•W (with lockable casters)	•F (Configured radiator)	•L (full protection frame)		•-2DV(2-way double acting needle valve)	•PRV1000 (Precision Relief Valve)
HE7(220V)								
HE83	•080	•EVC32					•-4SV(4-way single acting needle valve)	
HE83(220V)								
HE83(440V)	•100	•EVO32					•4SV-4GA	
HE84								
HE84(440V)	•200	•EV43					•-4DV(4-way double acting needle valve)	
HE84(660V)								
HE84	•200	•EVL43					•4DV-4GA	
HE84(440V)								
HE84(660V)	•200	•EVB43					•-6SV(4-way single acting needle valve)	
HE84(660V)								
HE95	•200						•6SV-6GA	
HE95(440V)								
HE95(660V)	•200						•-6DV(4-way double acting needle valve)	
HE97								
HE97(440V)	•200						•6DV-6GA	
HE97(660V)								

- ◆ Tank capacity is the maximum oil capacity, unit L
- ◆ Valve group function please refer to the valve group function table
- ◆ A variety of other non-standard customization method is optional, For example, multi-way solenoid valve group, multi-way manual reversing valve group, foot switch, custom tank capacity shape, pressure sensor, pressure switch, pressure gauge, custom electrical control, different appearance color, etc. The above naming method does not represent the full range of supply, more options please consult for details

## ▼ Introduction to HE Series Selection:



Name	Characteristics
HE4	1.1KW,1PH,230VAC/50HZ
HE4(115V)	1.1KW,1PH,115VAC/60HZ
HE5	1.5KW,1PH,230VAC/50HZ
HE5(115V)	1.5KW,1PH,115VAC/60HZ
HE6	1.5KW,3PH,380VAC
HE6(220V)	1.5KW,3PH,220VAC
HE7	2.2KW,3PH,380VAC
HE7(220V)	2.2KW,3PH,220VAC
HE83	3KW,3PH,380VAC
HE83(220V)	3KW,3PH,220VAC
HE83(440V)	3KW,3PH,440VAC
HE84	4KW,3PH,380VAC
HE84(440V)	4KW,3PH,440VAC
HE84(660V)	4KW,3PH,660VAC
HE95	5.5KW,3PH,380VAC
HE95(440V)	5.5KW,3PH,440VAC
HE95(660V)	5.5KW,3PH,660VAC
HE97	7.5KW,3PH,380VAC
HE97(440V)	7.5KW,3PH,440VAC
HE97(660V)	7.5KW,3PH,660VAC

▼ Fuel tank capacity, frame and caster selection :





-10WL	-20W	-20WL	-40
			
-20	-40W	-40WL	-60W
			

◆The above display pictures do not represent the entire supply scope. For more options, please consult in detail.



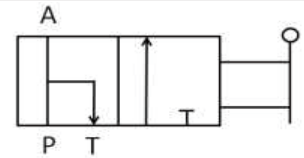
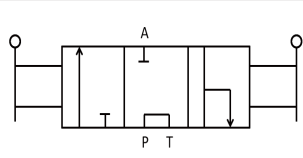

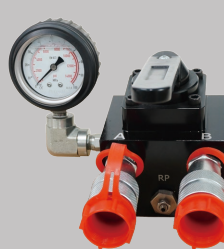
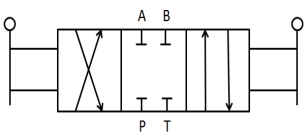
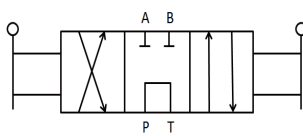

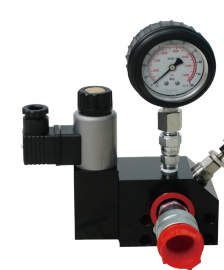
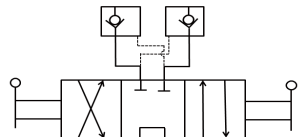
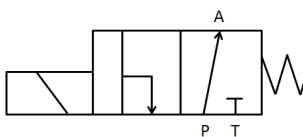

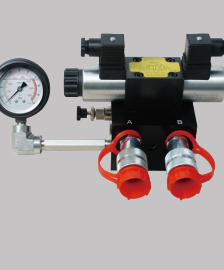
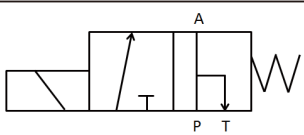
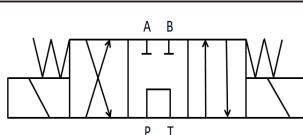

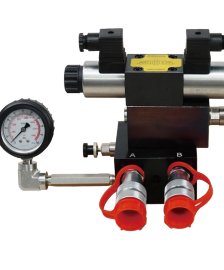
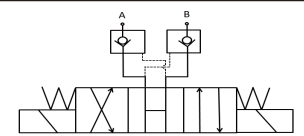
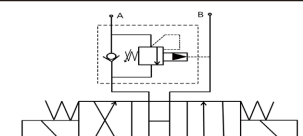
▼ Air-cooled Radiator :

-F ( 220V )	-F ( 380V )
	

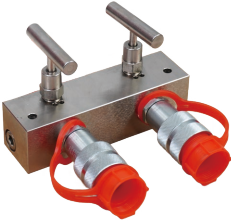


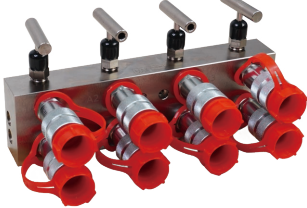
▼ Control method :

-R (Single-button handle)	-R (Dual-button handle)
	
-R (Three-button handle)	-RC (Digital-display handle)
	

# Hydraulic Oil Cylinder Pumps (70MPa)

Name	Image	Functions	Name	Image	Functions
MV32		Manual Control, Single Acting, Advance/Hold/Retract, Zero Leakage	MV33		Manual Control, Single Acting, Advance/Hold/Retract, Micro Leakage
					
MV43-O		Manual Control, Double Acting, Advance/Hold/Retract, Micro Leakage	MV43-M		Manual Control, Double Acting, Advance/Hold/Retract, Micro Leakage
					
MV43L		Manual Control, Double Acting, Advance/Hold/Retract, Zero Leakage With Load Holding Valve	EVC32		Solenoid Valve Control, Single Acting, Advance/Hold/Retract, Micro Leakage
					
EVO32		Solenoid Valve Control, Single Acting, Advance/Retract	EV43-M		Solenoid Valve Control, Double Acting, Advance/Hold/Retract, Micro Leakage
					
EVL43		Solenoid Valve Control, Double Acting, Advance/Hold/Retract, Zero Leakage, With Load Holding Valve	EVB43		Solenoid Valve Control, Double Acting, Advance/Hold/Retract, Zero Leakage, With Load Lowering Valve
					

▼ Multi-Way Valve Selection

2SV	2DV	4SV	4DV
			

▼ PRV Precision Relief Valve



▼ Examples of Typical Models:

HE4010MV32-PRV 	HE4010MV43 	HE4010MV43R 	HE7040EVL43LR 
HE6040EVL43R 	HE5010MV43W 	HE4010EVL43WFLR 	HE84040EVL43WR 

# Hydraulic Oil Cylinder Pumps (70MPa)

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<p>HE7040MV43W-4DV</p> 	<p>HE83080MV43WL</p> 	<p>HE4010MV32-2SV-PRV</p> 	<p>HE4010MV32-4SV-PRV</p> 
<p>HE5010MV43R-2DV</p> 	<p>HE4010MV43WFLR-2DV</p> 	<p>HE4040EVL43RLF</p> 	<p>HE5040MV32-10SV-PRV</p> 
<p>HE4010MV33-6SV</p> 	<p>HE84080MV33WL-4SV</p> 	<p>HE7040MV43W-4DV</p> 	<p>HE4010MV43(2)</p> 
<p>HE5010EVL43(4)RL</p> 	<p>HE4010EVL43(2)R</p> 	<p>HE4007EVO32WFLP</p> 	<p>HE83040EVO32WLP</p> 

HE4005EVL43FLR	HE7(2)080EVB43-2R	HE4010MV43R-2SV-115/60	HE4005MV32L
			
HE6020EVL43R	HE97100MV43(2)WL	HE95080MV43-2-WLR	HE97150MV43WLR
			
HE7080MV43W-4DV-4GA	HE97080MV43(2)WL	HE97080MV43(2)WL	HE97150MV43WLR-PRV
			
HE97080EVB43RW	HE7020MV33LR-4SV	HE84040MV33WL-4SV-PRV	HE97300MV43W
			