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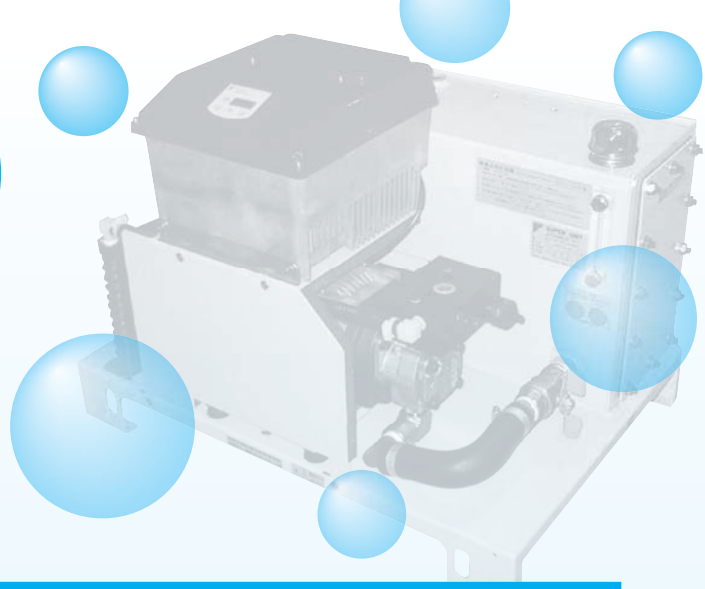
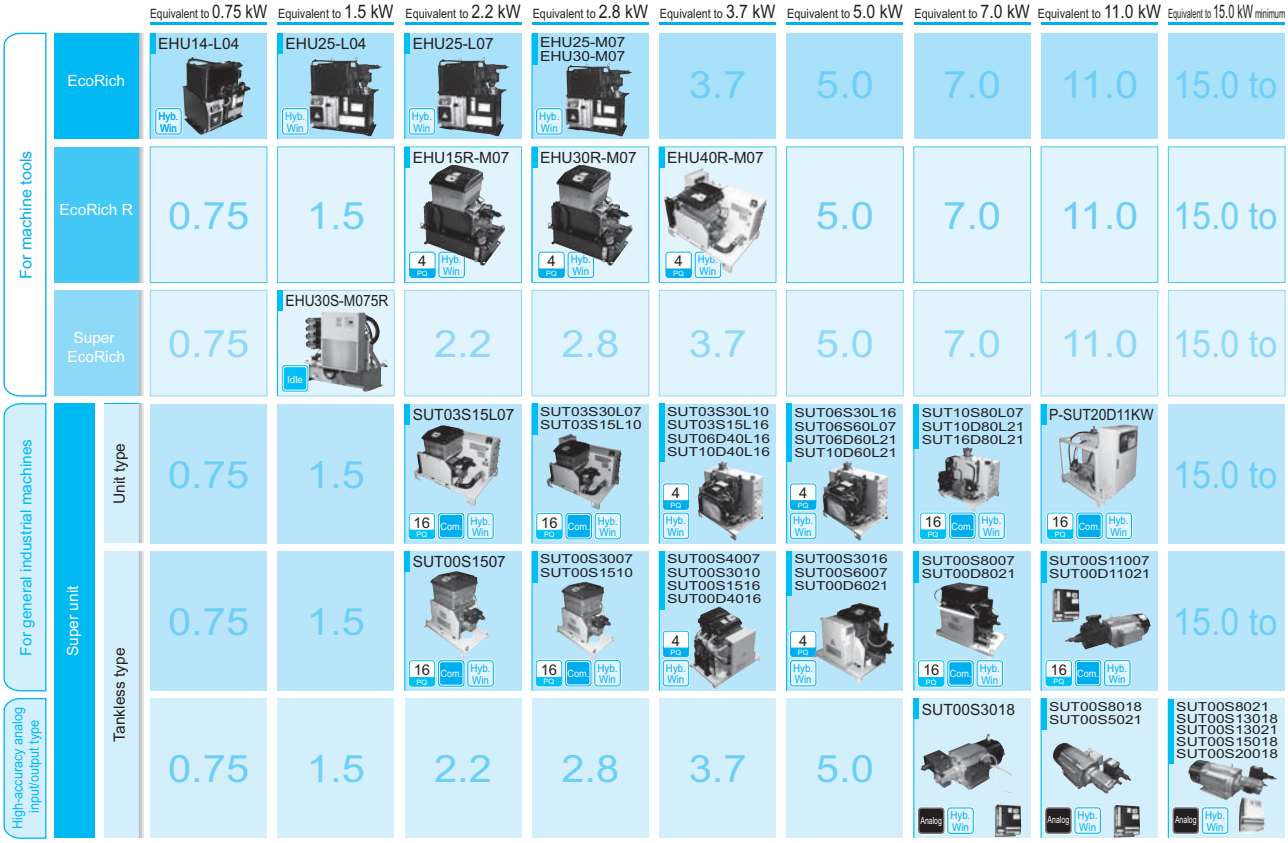


HYBRID HYDRAULIC

List of Hybrid Unit Models

Various specifications for each model.
DAIKIN's lineup provides a variety of functions and capacities depending on the machine type.

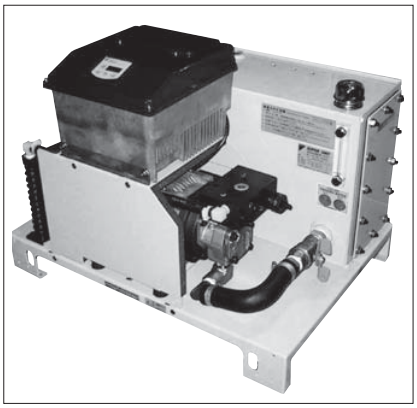
4 PQ 4-pattern PQ selection | 16 PQ 16-pattern PQ selection | Idle Idle stop | Com. Communication function | Analog Analog command input | Hyb. Win Hybrid-Win compatible



Series		Rated capacity	Maximum operating pressure (MPa)	Maximum flow rate (L/min) 10 20 30 40 50 60 70 80 90 100 110	Tankless type	Unit type	Tank capacity (L)	PQ pattern
EcoRich		Equivalent to 0.75 kW	4.0		—	EHU14-L04-A-30		
		Equivalent to 1.5 kW	4.0		—	EHU25-L04-A-30		
		Equivalent to 2.2 kW	7.0		—	EHU25-L07-AE-30	10	1
		Equivalent to 2.8 kW	7.0		—	EHU25-M07-AE-30		
		Equivalent to 2.8 kW	6.0		—	EHU30-M07-AE-30		
EcoRich R		Equivalent to 3.7 kW	7.0		—	EHU40R-M07-A-10	30	
		Equivalent to 2.2 kW	7.0		—	EHU15R-M0701-10	10	
		Equivalent to 2.2 kW	7.0		—	EHU15R-M0702-10	20	4
		Equivalent to 2.8 kW	7.0		—	EHU30R-M0701-10	10	
		Equivalent to 2.8 kW	7.0		—	EHU30R-M0702-10	20	
Super unit	Single pump type	Equivalent to 2.2 kW	7.0		SUT00S1507-10-F/C	SUT03S15L07-10-F/C		
		Equivalent to 2.8 kW	7.0		SUT00S3007-10-F/C	SUT03S30L07-10-F/C		16
		Equivalent to 2.8 kW	10.0		SUT00S1510-10-F/C	SUT03S15L10-10-F/C	30	
		Equivalent to 3.7 kW	7.0		SUT00S4007-10-F	EHU40R-M07-A-10		
		Equivalent to 3.7 kW	10.0		SUT00S3010-10-F	SUT03S30L10-10-F		
		Equivalent to 3.7 kW	16.0		SUT00S1516-10-F	SUT03S15L16-10-F		4
		Equivalent to 5.0 kW	16.0		SUT00S3016-10-F	SUT06S30L16-20-F	60	
		Equivalent to 5.0 kW	7.0		SUT00S6007-10-F	SUT06S60L07-20-F		
		Equivalent to 7.0 kW	7.0		SUT00S8007-10-F/C	SUT10S80L07-10-F/C	100	16
		Equivalent to 11.0 kW	7.0		SUT00S11007-21-F/C	—	—	
	Double pump type	Equivalent to 3.7 kW	15.7		SUT00D4016-10-F	SUT06D40L16-20-F	60	
						SUT10D40L16-20-F	100	4
		Equivalent to 5.0 kW	20.6		SUT00D6021-10-F	SUT06D60L21-20-F	60	
						SUT10D60L21-20-F	100	
		Equivalent to 7.0 kW	20.6		SUT00D8021-10-F/C	SUT10D80L21-10-F/C		
						SUT16D80L21-10-F/C	160	16
		Equivalent to 11.0 kW	20.6		SUT00D11021-21-F/C	P-SUT20D11KW-10	200	
Super unit (High-accuracy analog input/output type)		Equivalent to 7.0 kW	17.6		SUT00S3018 (200 V)	—	—	
		Equivalent to 11.0 kW	20.6		SUT00S5021 (200/400 V)	—	—	
		Equivalent to 11.0 kW	17.6		SUT00S8018 (200/400 V)	—	—	
		Equivalent to 15.0 kW	20.6		SUT00S8021 (200 V)	—	—	Analog command input
		Equivalent to 15.0 kW	17.6	130	SUT00S13018 (400 V)	—	—	
		Equivalent to 15.0 kW	20.6	130	SUT00S13021 (400 V)	—	—	
		Equivalent to 15.0 kW	17.6	150	SUT00S15018 (200/400 V)	—	—	
		Equivalent to 22.0 kW	17.6	200	SUT00S20018 (400 V)	—	—	

Contact Details
Before using the product, please check the guide pages at the front of this catalog.
For sales, spares and support in India
http://www.tca.co.in
Visit us for latest information, PDF catalogs and operation manuals
Send Enquiry

Super Unit



Features

Energy-saving

Daikin original high-efficiency IPM motor drive system with inverter technologies provides a high energy-saving ratio of 50%.
(In the pressure retained mode at 20.6 MPa, with the double pump type unit)

- The motor rotation speed control controls the flow rate and pressure of the fixed-displacement pump.
- The highly-efficient motor adopted in this unit achieves energy savings even in applications for general industrial machinery where actuators have high duty ratios.
- The single pump type is a highly-functional series to make it more useful.
- The double pump type uses the autonomously-switching, fixed-displacement double pump system, which combines large- and small-capacity pumps in the low pressure, high flow rate range, and autonomously switches to the single operation of the high-pressure, small-capacity pump in the high pressure, low flow rate range. In this way, the double pump type ensures a higher energy-saving effect.

Low noise

Low noise level of 60 dB (A) (In the pressure retained operation at 20.6 MPa, with the double pump type unit)
Even over the entire operation range, it is restricted to 73 dB (A).

Restricted oil temperature rise

Motor speed control also lead to restriction of the oil temperature rise.

- The restricted oil temperature rise inhibits deterioration of the hydraulic oil.
- This also lowers the load on air conditioning equipment.

Fewer control valves required

A wide variety of control can be achieved by adjusting parameter settings.

- Acceleration/deceleration operations that have been accomplished using proportional control valves may be replaced by simply setting the acceleration/deceleration time.
- Pressure switch may be reduced by using the pressure switch function.
  (Note that some kinds of control are not applicable depending on the customer's circuit. Care must be taken especially when controlling multiple axes.)

Functions

Multi-stage pressure/flow rate control

4 PQ 16 PQ

Four or sixteen pressure (P) - flow rate (Q) setting patterns are available for cylinder control.

- The proportional control valve and proportional pressure control valve, which are utilized in conventional actuator circuits, can be omitted.
- The pressure and flow rate can be set using the control unit's operation panel.
- The pressure and flow rate settings can be selected from among the four or six patterns using external input signals.
- The Super Unit autonomously switches between the pressure control and flow rate control modes.

Maintenance/Management Function (Hybrid-Win)

Hyb. Win

Internal data of the Super Unit can be obtained by using PC connected to the unit.

- The pressure, flow rate, and other internal data of the inverter can be monitored and displayed in the form of graphs. This facilitates operation checks during test runs, adjustment of parameters such as time constants, and troubleshooting.
- The time required for setting can be slashed by editing the parameter settings on the PC and writing them to the unit in a batch. The ability to read and save settings facilitates management.

Communication functions

Com.

Multi-stage P-Q remote control by communication (Function: -C)

- Using a commercially-available PLC*1 with RS232C communication capabilities and a touch panel display, P and Q parameters, acceleration time, deceleration time, and other parameters can be set and viewed at the machine's operation panel. The Super Unit enables multi-stage pressure/flow rate control through remote operation. *1: Programmable logic controller.

Nomenclature

SUT	06	D	60	L	21	–	20	–	※	–	※※※
1	2	3	4	5	6		7		8		9

1 Model No.
SUT: SUT series

2 Tank capacity
00: Tankless type
03: 30 L
06: 60 L
10: 100 L
16: 160 L
} Unit type

3 Pump type
D: Double pump type
S: Single pump type

4 Pump discharge rate
15: 15 L/min
30: 25 L/min
40: 40 L/min
60: 60 L/min
80: 80 L/min
110: 110 L/min

5 Unit type
L: Tank side mount type
No code: Tankless type

6 Maximum operating pressure
07: 7.0 MPa
10: 10.0 MPa
16: 15.7 MPa
21: 20.6 MPa

7 Design No.
Incremented at model changes
E.g. 10, 11, ...

8 Optional functions
F: With DC reactor and noise filter
C: With DC reactor, noise filter and communication function

9 Non-standard No.
001 to 999

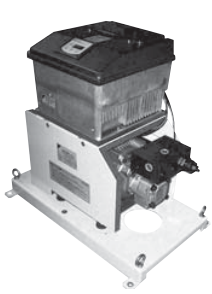
Super Unit [Single pump type]

Maximum operating pressure 7 MPa

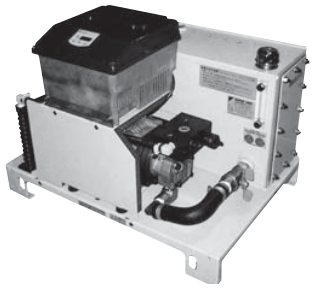
Maximum discharge rate 15/30 L/min

Model code

SUT※※S15※07-10-F/-C
SUT※※S30※07-10-F/-C

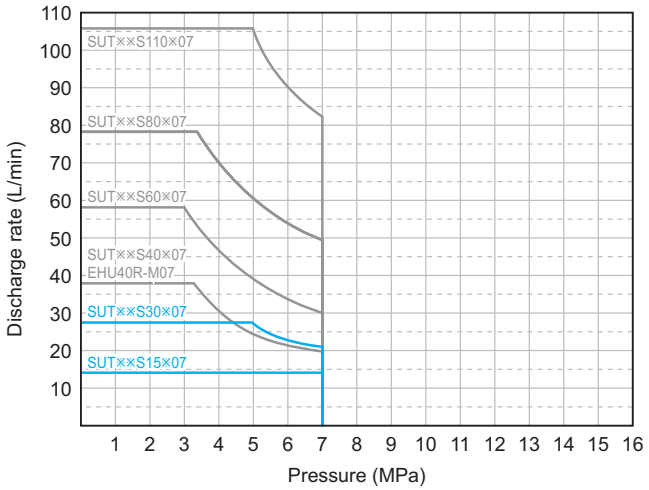


Tankless type



Unit type

Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation:
  SUT※※S15※07: 3 L/min maximum
  SUT※※S30※07: 5 L/min maximum

Specifications

		Tankless type				Unit type			
Model		SUT00S 1507-10-F	SUT00S 1507-10-C	SUT00S 3007-10-F	SUT00S 3007-10-C	SUT03S 15L07-10-F	SUT03S 15L07-10-C	SUT03S 30L07-10-F	SUT03S 30L07-10-C
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	15.2		28.5		15.2		28.5	
	Maximum operating pressure (MPa)	7.0							
	Operating flow rate adjustment range (L/min)	2.5 to 15.2		3.5 to 28.5		2.5 to 15.2		3.5 to 28.5	
	Operating pressure adjustment range (MPa)	1.5 to 7.0							
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 2.2 kW		Equivalent to 2.8 kW		Equivalent to 2.2 kW		Equivalent to 2.8 kW	
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)							
Rated current (A)	AC 3ϕ 200 V (50 Hz)	7.9		10.9		7.9		10.9	
	AC 3ϕ 200 V (60 Hz)	7.7		10.7		7.7		10.7	
	AC 3ϕ 220 V (60 Hz)	7.1		9.7		7.1		9.7	
Power source breaker setting (A)		15							
Multi-stage pressure/flow rate control patterns		16							
Communication function		Nil	Yes	Nil	Yes	Nil	Yes	Nil	Yes
External input signal		5 channels							
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)							
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel							
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)							
Mass (kg)		38		40		65		67	
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm²/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum							
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)							
	Operating ambient temperature	0 to 35°C							
	Storage ambient temperature	–20 to 60°C							
	Operating ambient humidity	85% RH maximum (No condensation)							
	Installation site	Indoors (Be sure to secure the unit with bolts.)							
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.							
Tank capacity (L)		–				30			
Standard coating color		Ivory white (Munsell code 5Y7.5/1)							

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

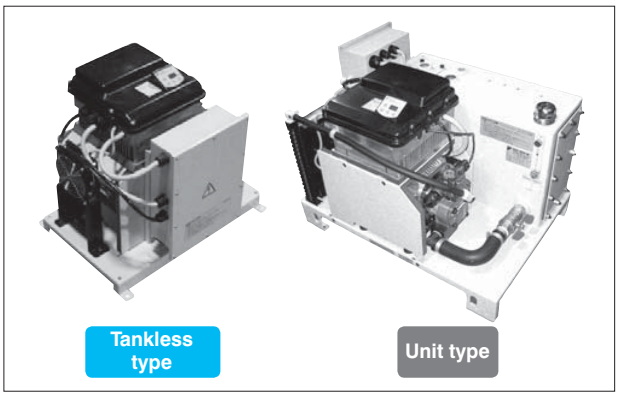
Super Unit [Single pump type]

Maximum operating pressure 7 MPa

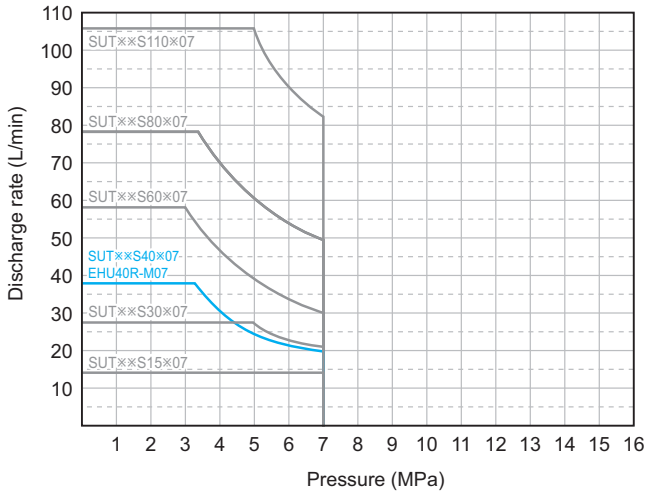
Maximum discharge rate 40 L/min

Model code

SUT00S4007-10-F
EHU40R-M07-A-10



Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **8 L/min maximum**

Specifications

		Tankless type	Unit type
Model		SUT00S4007-10-F	EHU40R-M07-A-10
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	40	
	Maximum operating pressure (MPa)	7.0	
	Operating flow rate adjustment range (L/min)	5.3 to 40.0	
	Operating pressure adjustment range (MPa)	1.5 to 7.0	
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 3.7 kW	
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)	
Rated current (A)	AC 3ϕ 200 V (50 Hz)	11.2	
	AC 3ϕ 200 V (60 Hz)	10.9	
	AC 3ϕ 220 V (60 Hz)	10.0	
Power source breaker setting (A)		20	
Multi-stage pressure/flow rate control patterns		4	
Communication function		Nil	Nil
External input signal		3 channels	
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)	
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel	
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)	
Mass (kg)		54	68
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm²/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum	
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)	
	Operating ambient temperature	0 to 35°C	
	Storage ambient temperature	–20 to 60°C	
	Operating ambient humidity	85% RH max. (No condensation)	
	Installation site	Indoors (Be sure to secure the unit with bolts.)	
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.	
Tank capacity (L)		–	30
Standard coating color		Ivory white (Munsell code 5Y7.5/1)	

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

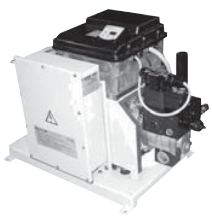
Super Unit [Single pump type]

Maximum operating pressure 7 MPa

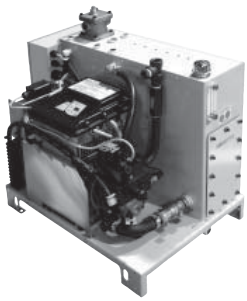
Maximum discharge rate 60 L/min

Model code

SUT00S6007-10-F
SUT06S60L07-20-F

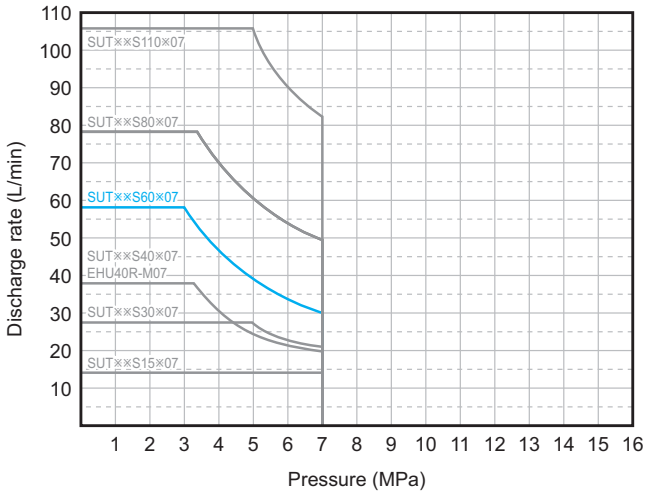


Tankless type



Unit type

Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **14 L/min maximum**

Specifications

		Tankless type	Unit type
Model		SUT00S6007-10-F	SUT06S60L07-20-F
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	61.1	
	Maximum operating pressure (MPa)	7.0	
	Operating flow rate adjustment range (L/min)	8.7 to 61.1	
	Operating pressure adjustment range (MPa)	1.5 to 7.0	
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 5.0 kW	
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)	
Rated current (A)	AC 3ϕ 200 V (50 Hz)	16.8	
	AC 3ϕ 200 V (60 Hz)	16.4	
	AC 3ϕ 220 V (60 Hz)	15.2	
Power source breaker setting (A)		30	
Multi-stage pressure/flow rate control patterns		4	
Communication function		Nil	
External input signal		3 channels	
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)	
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel	
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)	
Mass (kg)		66	99
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm^2/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum	
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)	
	Operating ambient temperature	0 to 35°C	
	Storage ambient temperature	–20 to 60°C	
	Operating ambient humidity	85% RH maximum (No condensation)	
	Installation site	Indoors (Be sure to secure the unit with bolts.)	
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.	
Tank capacity (L)		–	60
Standard coating color		Ivory white (Munsell code 5Y7.5/1)	

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

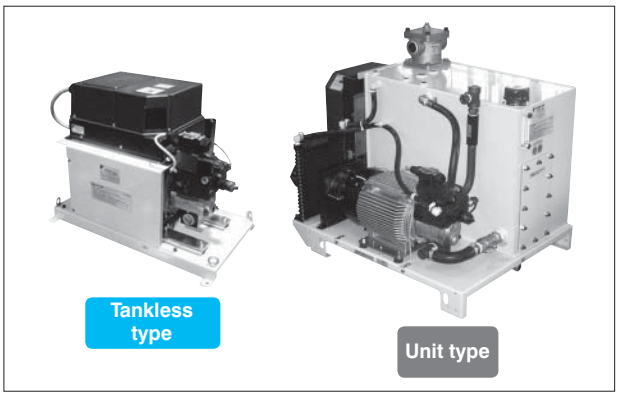
Super Unit [Single pump type]

Maximum operating pressure 7 MPa

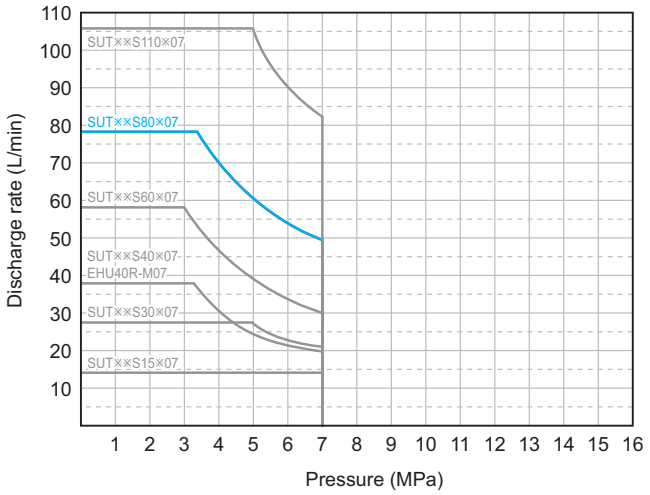
Maximum discharge rate 80 L/min

Model code

SUT※※S80※07-10-F/-C



Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **19 L/min maximum**

Specifications

		Tankless type		Unit type	
Model		SUT00S8007-10-F	SUT00S8007-10-C	SUT10S80L07-10-F	SUT10S80L07-10-C
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	83.0			
	Maximum operating pressure (MPa)	7.0			
	Operating flow rate adjustment range (L/min)	11.6 to 83.0			
	Operating pressure adjustment range (MPa)	1.5 to 7.0			
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 7.0 kW			
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)			
Rated current (A)	AC 3ϕ 200 V (50 Hz)	25.5			
	AC 3ϕ 200 V (60 Hz)	24.8			
	AC 3ϕ 220 V (60 Hz)	22.7			
Power source breaker setting (A)		50			
Multi-stage pressure/flow rate control patterns		16			
Communication function		Nil	Yes	Nil	Yes
External input signal		5 channels			
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)			
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel			
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)			
Mass (kg)		72		134	
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm²/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum			
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)			
	Operating ambient temperature	0 to 35°C			
	Storage ambient temperature	–20 to 60°C			
	Operating ambient humidity	85% RH max. (No condensation)			
	Installation site	Indoors (Be sure to secure the unit with bolts.)			
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.			
Tank capacity (L)		–		100	
Standard coating color		Ivory white (Munsell code 5Y7.5/1)			

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

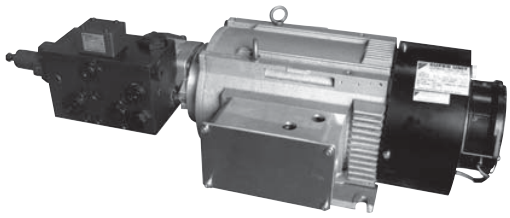
Super Unit [Single pump type]

Maximum operating pressure 7 MPa

Maximum discharge rate 110 L/min

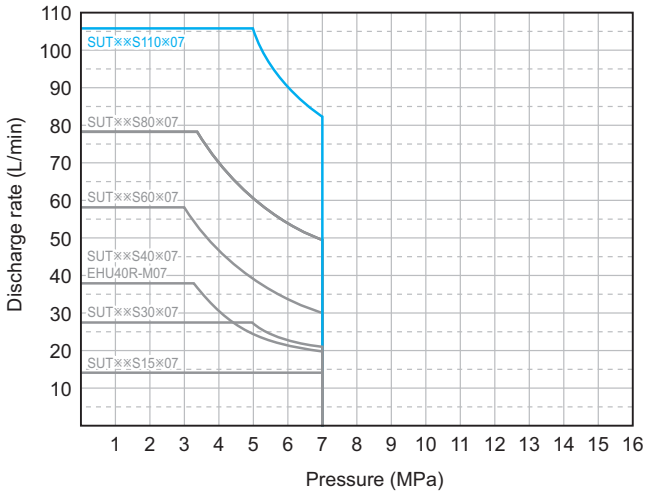
Model code

SUT00S11007-21-F/-C



Tankless type

Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **16 L/min maximum**

Specifications

		Tankless type	
Model		SUT00S11007-21-F	
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	110	
	Maximum operating pressure (MPa)	7.0	
	Operating flow rate adjustment range (L/min)	13.3 to 110	
	Operating pressure adjustment range (MPa)	1.5 to 7.0	
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 11.0 kW	
Power supply	Motor pump	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)	
Rated current (A)	AC 3ϕ 200 V (50 Hz)	38.3	
	AC 3ϕ 200 V (60 Hz)	37.8	
	AC 3ϕ 220 V (60 Hz)	34.9	
Power source breaker setting (A)		75	
Multi-stage pressure/flow rate control patterns		16	
Communication function		Nil	Yes
External input signal		5 channels	
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)	
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel	
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)	
Mass (kg)		112	
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm^2/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum	
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)	
	Operating ambient temperature	0 to 35°C	
	Storage ambient temperature	–20 to 60°C	
	Operating ambient humidity	85% RH max. (No condensation)	
	Installation site	Indoors (Be sure to secure the unit with bolts.)	
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.	
Tank capacity (L)		–	
Standard coating color		Ivory white (Munsell code 5Y7.5/1)	

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

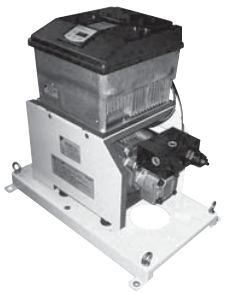
Super Unit [Single pump type]

Maximum operating pressure 10 MPa

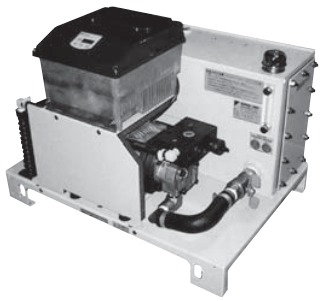
Maximum discharge rate 15 L/min

Model code

SUT※※S15※10-10-F/-C

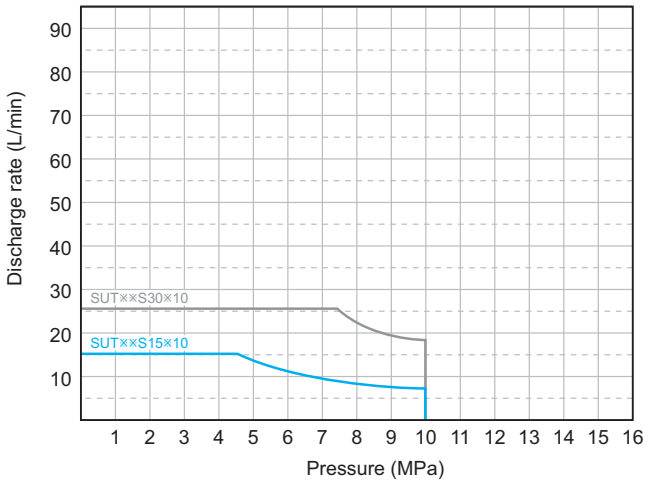


Tankless type



Unit type

Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **3 L/min maximum**

Specifications

		Tankless type		Unit type	
Model		SUT00S1510-10-F	SUT00S1510-10-C	SUT03S15L10-10-F	SUT03S15L10-10-C
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	15.2			
	Maximum operating pressure (MPa)	10			
	Operating flow rate adjustment range (L/min)	2.5 to 15.2			
	Operating pressure adjustment range (MPa)	1.5 to 10.0			
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 2.8 kW			
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)			
Rated current (A)	AC 3ϕ 200 V (50 Hz)	5.7			
	AC 3ϕ 200 V (60 Hz)	5.4			
	AC 3ϕ 220 V (60 Hz)	5.2			
Power source breaker setting (A)		15			
Multi-stage pressure/flow rate control patterns		16			
Communication function		Nil	Yes	Nil	Yes
External input signal		5 channels			
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)			
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel			
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)			
Mass (kg)		40		67	
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm^2/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum			
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)			
	Operating ambient temperature	0 to 35°C			
	Storage ambient temperature	–20 to 60°C			
	Operating ambient humidity	85% RH max. (No condensation)			
	Installation site	Indoors (Be sure to secure the unit with bolts.)			
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.			
Tank capacity (L)		–		30	
Standard coating color		Ivory white (Munsell code 5Y7.5/1)			

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

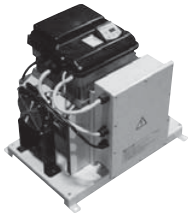
Super Unit [Single pump type]

Maximum operating pressure 10 MPa

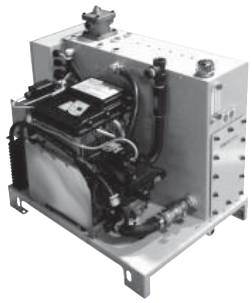
Maximum discharge rate 30 L/min

Model code

SUT※※S30※10-10-F

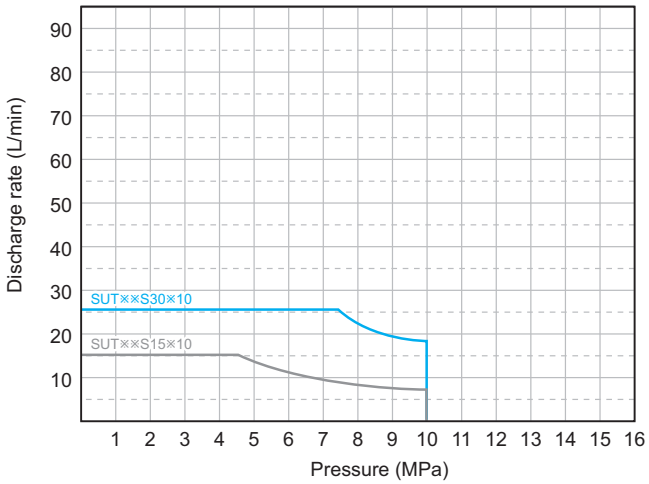


Tankless type



Unit type

Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **5 L/min maximum**

Specifications

		Tankless type	Unit type
Model		SUT00S3010-10-F	SUT03S30L10-10-F
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	25.6	
	Maximum operating pressure (MPa)	10.0	
	Operating flow rate adjustment range (L/min)	3.4 to 25.6	
	Operating pressure adjustment range (MPa)	1.5 to 10.0	
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 3.7 kW	
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)	
Rated current (A)	AC 3ϕ 200 V (50 Hz)	16.5	
	AC 3ϕ 200 V (60 Hz)	16.2	
	AC 3ϕ 220 V (60 Hz)	14.6	
Power source breaker setting (A)		20	
Multi-stage pressure/flow rate control patterns		4	
Communication function		Nil	
External input signal		3 channels	
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)	
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel	
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)	
Mass (kg)		54	68
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm^2/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum	
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)	
	Operating ambient temperature	0 to 35°C	
	Storage ambient temperature	–20 to 60°C	
	Operating ambient humidity	85% RH max. (No condensation)	
	Installation site	Indoors (Be sure to secure the unit with bolts.)	
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.	
Tank capacity (L)		–	30
Standard coating color		Ivory white (Munsell code 5Y7.5/1)	

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
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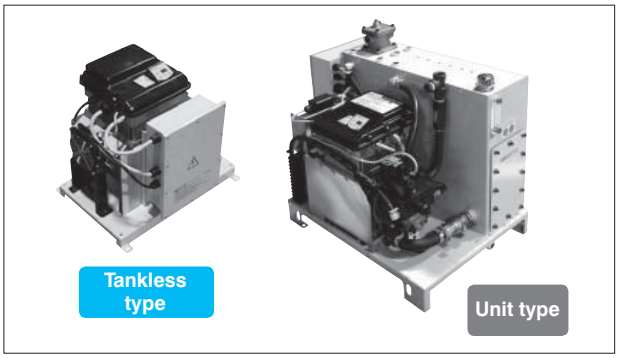
Super Unit [Single pump type]

Maximum operating pressure 16 MPa

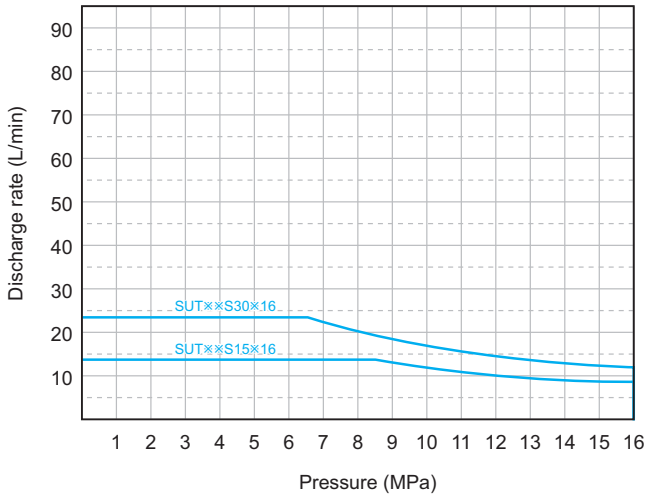
Maximum discharge rate 15/30 L/min

Model code

SUT××S15×16-10-F
SUT00S3016-10-F
SUT06S30L16-20-F



Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **5 L/min maximum**

Specifications

		Tankless type		Unit type	
Model		SUT00S1516-10-F	SUT00S3016-10-F	SUT03S15L16-10-F	SUT06S30L16-20-F
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	15.2	25.6	15.2	25.6
	Maximum operating pressure (MPa)	16.0			
	Operating flow rate adjustment range (L/min)	2.4 to 15.2	3.4 to 25.6	2.4 to 15.2	3.4 to 25.6
	Operating pressure adjustment range (MPa)	1.5 to 16.0			
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 3.7 kW	Equivalent to 5.0 kW	Equivalent to 3.7 kW	Equivalent to 5.0 kW
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)			
Rated current (A)	AC 3ϕ 200 V (50 Hz)	10.9	15.6	10.9	15.6
	AC 3ϕ 200 V (60 Hz)	11.2	15.7	11.2	15.7
	AC 3ϕ 220 V (60 Hz)	10.3	14.6	10.3	14.6
Power source breaker setting (A)		20	30	20	30
Multi-stage pressure/flow rate control patterns		4			
Communication function		Nil			
External input signal		3 channels			
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)			
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel			
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)			
Mass (kg)		54	60	68	83
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm²/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum			
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)			
	Operating ambient temperature	0 to 35°C			
	Storage ambient temperature	–20 to 60°C			
	Operating ambient humidity	85% RH max. (No condensation)			
	Installation site	Indoors (Be sure to secure the unit with bolts.)			
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.			
Tank capacity (L)		–		30	60
Standard coating color		Ivory white (Munsell code 5Y7.5/1)			

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
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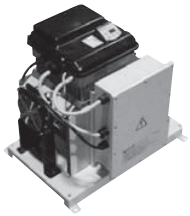
Super Unit [Double pump type]

Maximum operating pressure 16 MPa

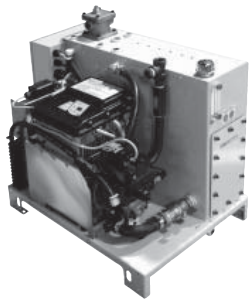
Maximum discharge rate 40 L/min

Model code

SUT00D4016-10-F
SUT※※D40L16-20-F

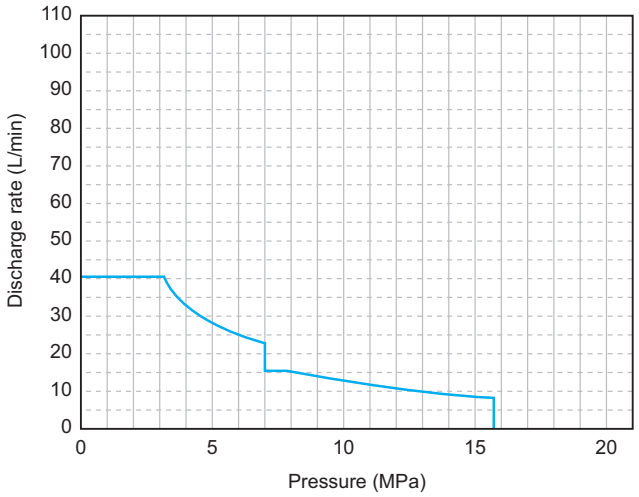


Tankless type



Unit type

Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **8 L/min maximum**

Specifications

		Tankless type	Unit type	
Model		SUT00D4016-10-F	SUT06D40L16-20-F	SUT10D40L16-20-F
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	41.0		
	Maximum operating pressure (MPa)	15.7		
	Operating flow rate adjustment range (L/min)	5.4 to 41.0		
	Operating pressure adjustment range (MPa)	1.5 to 15.7		
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 3.7 kW		
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)		
Rated current (A)	AC 3ϕ 200 V (50 Hz)	13.0		
	AC 3ϕ 200 V (60 Hz)	12.8		
	AC 3ϕ 220 V (60 Hz)	11.6		
Power source breaker setting (A)		30		
Multi-stage pressure/flow rate control patterns		4		
Communication function		Nil		
External input signal		3 channels		
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)		
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel		
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)		
Mass (kg)		61	100	115
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm²/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum		
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)		
	Operating ambient temperature	0 to 35°C		
	Storage ambient temperature	–20 to 60°C		
	Operating ambient humidity	85% RH max. (No condensation)		
	Installation site	Indoors (Be sure to secure the unit with bolts.)		
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.		
Tank capacity (L)		–	60	100
Standard coating color		Ivory white (Munsell code 5Y7.5/1)		

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
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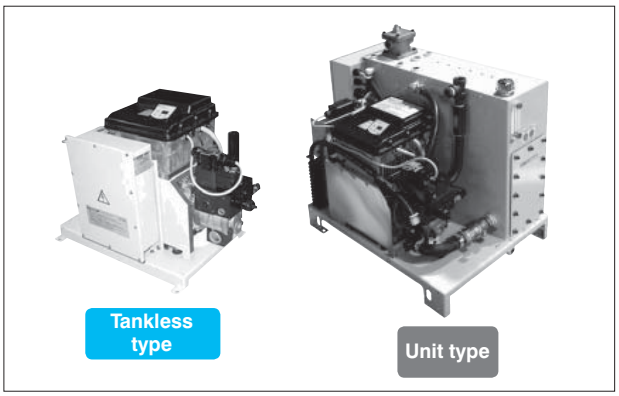
Super Unit [Double pump type]

Maximum operating pressure 21 MPa

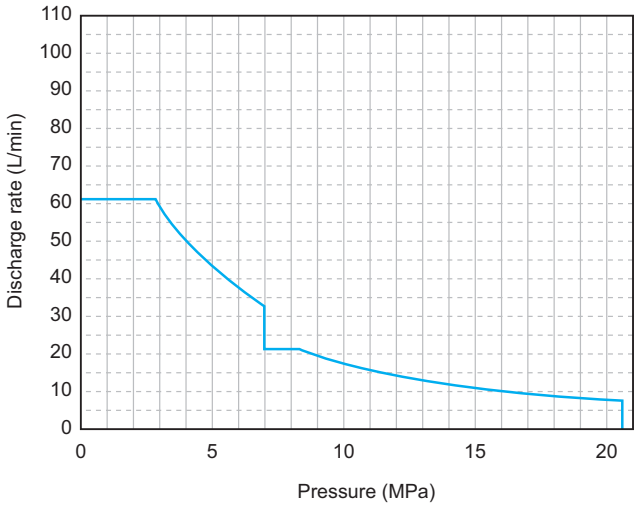
Maximum discharge rate 60 L/min

Model code

SUT00D6021-10-F
SUT※※D60L21-20-F



Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **6.5 L/min maximum**

Specifications

		Tankless type	Unit type	
Model		SUT00D6021-10-F	SUT06D60L21-20-F	SUT10D60L21-20-F
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	61.1		
	Maximum operating pressure (MPa)	20.6		
	Operating flow rate adjustment range (L/min)	8.7 to 61.1		
	Operating pressure adjustment range (MPa)	1.5 to 20.6		
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 5.0 kW		
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)		
Rated current (A)	AC 3ϕ 200 V (50 Hz)	16.8		
	AC 3ϕ 200 V (60 Hz)	16.4		
	AC 3ϕ 220 V (60 Hz)	15.2		
Power source breaker setting (A)		30		
Multi-stage pressure/flow rate control patterns		4		
Communication function		Nil		
External input signal		3 channels		
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)		
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel		
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)		
Mass (kg)		66	105	120
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm²/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum		
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)		
	Operating ambient temperature	0 to 35°C		
	Storage ambient temperature	–20 to 60°C		
	Operating ambient humidity	85% RH max. (No condensation)		
	Installation site	Indoors (Be sure to secure the unit with bolts.)		
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.		
Tank capacity (L)		–	60	100
Standard coating color		Ivory white (Munsell code 5Y7.5/1)		

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

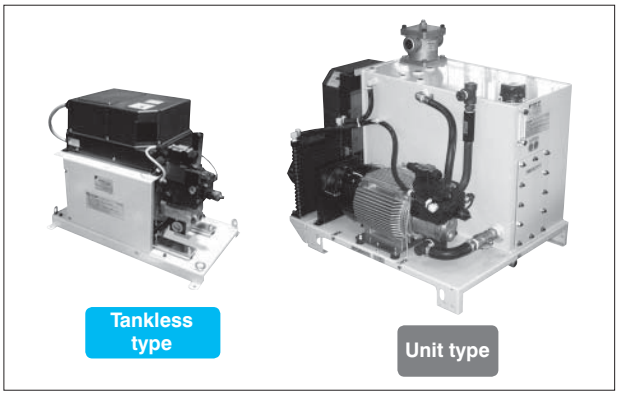
Super Unit [Double pump type]

Maximum operating pressure 21 MPa

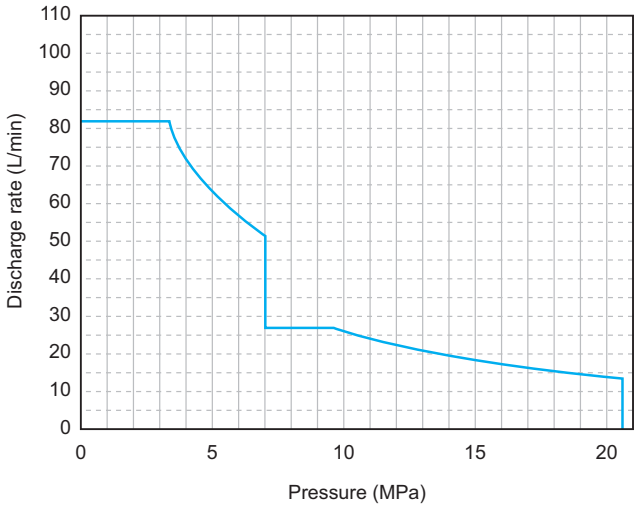
Maximum discharge rate 80 L/min

Model code

SUT※※D80※21-10-F/-C



Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **14 L/min maximum**

Specifications

		Tankless type		Unit type			
Model		SUT00D8021-10-F	SUT00D8021-10-C	SUT10D80L21-10-F	SUT10D80L21-10-C	SUT16D80L21-10-F	SUT16D80L21-10-C
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	83					
	Maximum operating pressure (MPa)	20.6					
	Operating flow rate adjustment range (L/min)	11.6 to 83.0					
	Operating pressure adjustment range (MPa)	1.5 to 20.6					
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 7.0 kW					
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)					
Rated current (A)	AC 3ϕ 200 V (50 Hz)	25.5					
	AC 3ϕ 200 V (60 Hz)	24.8					
	AC 3ϕ 220 V (60 Hz)	22.7					
Power source breaker setting (A)		50					
Multi-stage pressure/flow rate control patterns		16					
Communication function		Nil	Yes	Nil	Yes	Nil	Yes
External input signal		5 channels					
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)					
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel					
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)					
Mass (kg)		72		135		145	
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm²/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum					
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)					
	Operating ambient temperature	0 to 35°C					
	Storage ambient temperature	–20 to 60°C					
	Operating ambient humidity	85% RH max. (No condensation)					
	Installation site	Indoors (Be sure to secure the unit with bolts.)					
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.					
Tank capacity (L)		–		100		160	
Standard coating color		Ivory white (Munsell code 5Y7.5/1)					

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

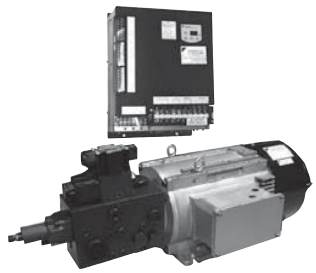
Super Unit [Double pump type]

Maximum operating pressure 21 MPa

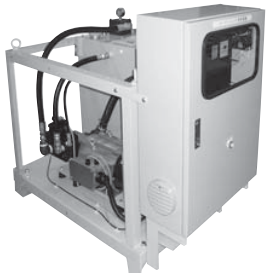
Maximum discharge rate 110 L/min

Model code

SUT00D11021-21-F/-C
P-SUT20D11KW-10

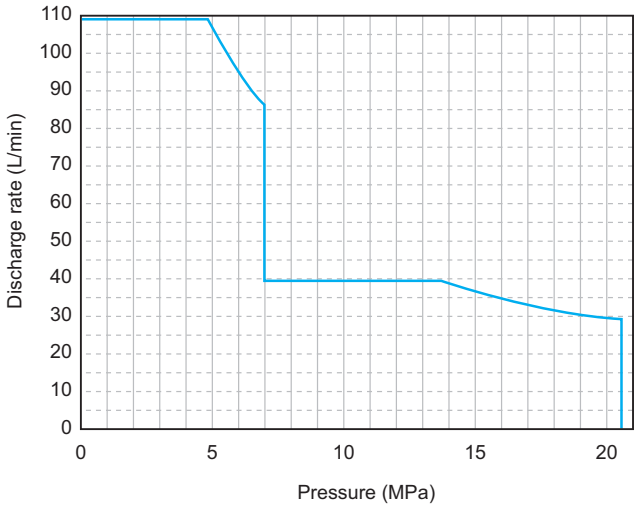


Tankless type



Unit type

Pressure – Flow rate characteristics (Example)



* The graph shows actual flow rates (representative values).
* Operating flow rate at the maximum pressure in continuous operation: **16 L/min maximum**

Specifications

		Tankless type		Unit type
Model		SUT00D11021-21-F	SUT00D11021-21-C	P-SUT20D11KW-10
Pump unit	Maximum discharge rate (Theoretical value; L/min) *1	110		
	Maximum operating pressure (MPa)	20.6		
	Operating flow rate adjustment range (L/min)	13.3 to 110		
	Operating pressure adjustment range (MPa)	1.5 to 20.6		
Motor capacity	Motor capacity (Equivalent kW)	Equivalent to 11 kW		
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)		
Rated current (A)	AC 3ϕ 200 V (50 Hz)	38.3		
	AC 3ϕ 200 V (60 Hz)	37.8		
	AC 3ϕ 220 V (60 Hz)	34.9		
Power source breaker setting (A)		75		
Multi-stage pressure/flow rate control patterns		16		
Communication function		Nil	Yes	Nil
External input signal		5 channels		
		Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel (Negative common)		
External output signal	Digital output	2 channels, photo coupler insulation, open collector output, DC 24 V, 30 mA maximum per channel		
	Contact output	1 channel (1 common contact), dry contact, Contact capacity: DC 30 V, 0.5 A (Resistance load)		
Mass (kg)		112		360
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm^2/s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum		
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)		
	Operating ambient temperature	0 to 35°C		
	Storage ambient temperature	–20 to 60°C		
	Operating ambient humidity	85% RH max. (No condensation)		
	Installation site	Indoors (Be sure to secure the unit with bolts.)		
	Others	• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker. • Make sure that the electrical wiring meets the requirements of European Standard EN60204-1. • Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function. • Be sure to connect the ground terminal.		
Tank capacity (L)		–		200
Standard coating color		Ivory white (Munsell code 5Y7.5/1)		

Note) *1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.
*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil.
*3: The unit incorporates a safety valve.
*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics" and the description of how to select a unit in the separate catalog for Super Units.
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

Optional parts

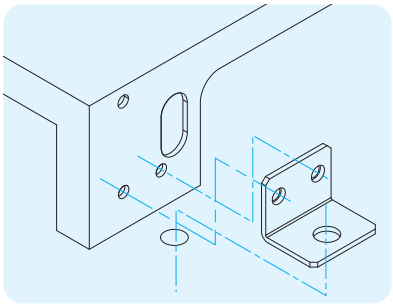
The following optional parts can be purchased separately from the Super Unit.
These parts are to be mounted by the user.

■ Base plate set

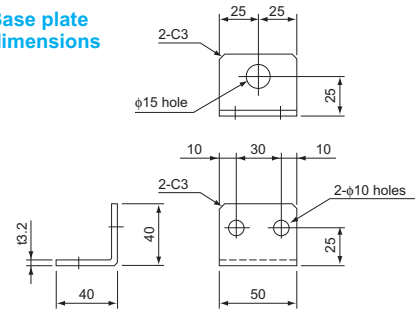
These parts are used to fasten the Super Unit to a floor surface.
The bolts for mounting the unit to the floor should be prepared by the user.

Model	Applicable model	Color	Accessories
E-SUTPLATE-1	[Unit type: Single pump type] SUT06S60L07-10-F [Unit type: Double pump type] SUT06D40L16-10(11)-F SUT10D40L16-10(11)-F SUT06D60L21-10(11)-F SUT10D60L21-10(11)-F	Blue (Munsell code) 10B 3/8	① Base plate (4 pcs) ② Tank fastening bolt (8 pcs) ③ Plain and spring washers for the above parts (8 pcs each)
E-SUTPLATE-2	[EcoRich] EHU40R-M07-A-10 [Unit type: Single pump type] SUT03S15L07-10-F, -C SUT03S30L07-10-F, -C SUT06S60L07-20-F SUT10S80L07-10-F, -C SUT03S15L10-10-F, -C SUT03S30L10-10-F SUT03S15L16-10-F SUT06S30L16-20-F [Unit type: Double pump type] SUT06D40L16-20-F SUT10D40L16-20-F SUT06D60L21-20-F SUT10D60L21-20-F SUT10D80L21-10-F, -C SUT16D80L21-10-F, -C	Ivory white (Munsell code) 5Y7.5/1	

Example of installation



● Base plate dimensions



■ Level switch

Model	Operating voltage	Operating current	Contact resistance	Protection class	Oil level triggering alarms		CE standard
E-DLSN-130L-A-10	DC/AC 24 V	DC/AC 0.05 A	1 Ω maximum	IP65	SUT03 (with 30 L tank) 21 L maximum SUT06 (with 60 L tank) 50 L maximum SUT10 (with 100 L tank) 83 L maximum SUT16 (with 160 L tank) 135 L maximum	Closed Closed Closed Closed	N/A
E-DLSN-130L-B-10	DC/AC 24 V	DC/AC 0.05 A	1 Ω maximum	IP65	SUT03 (with 30 L tank) 21 L maximum SUT06 (with 60 L tank) 50 L maximum SUT10 (with 100 L tank) 83 L maximum SUT16 (with 160 L tank) 135 L maximum	Open Open Open Open	N/A

* Directly mountable on the Rc1/2 option port on the top face of each tank. Use a bushing (3/8 × 1/2) to mount it on the Rc3/8 option port.

■ Temperature switch

Model	Operating voltage	Operating current	Contact resistance	Protection class	Oil level triggering alarms	CE standard
E-MQT83PD-L60X1-10	AC 100 V DC 24 V	AC 2 A DC 50 mA	30 mΩ maximum	IP65	60°C	N/A

Contact Details
Before using the product, please check the guide pages at the front of this catalog.
For sales, spares and support in India
http://www.tca.co.in
Visit us for latest information, PDF catalogs and operation manuals
Send Enquiry

Handling

The following are the minimum requirements for use of the Super Unit.
For details, refer to the unit's Instruction Manual.

● Ambient conditions

1. Ambient temperature: 0 to 35°C, ambient humidity: 20 to 85% RH, altitude: 1,000 m maximum, to be used indoors

● Hydraulic oil

1. Use general petroleum hydraulic oil (R&O) or wear-resistant hydraulic oil.
   Hydrous or synthetic oil cannot be used.
2. Use hydraulic oil equivalent to ISO VG32 to 68 and operate the unit within an oil viscosity range from 15 to 400 mm^2/s and a tank oil temperature from 0 to 60°C. The recommended operating range is from 15 to 50°C (20 to 200 mm^2/s).
3. Keep contamination of hydraulic oil within NAS class 9.

● Installation and piping

1. This hydraulic unit mounts the motor pump using vibration-absorbing rubber to prevent pump vibration being transmitted to the unit. Use hoses for piping to the unit to provide flexibility.
2. The unit is a stationary type. Fix it with bolts on a level location that is free of vibration.
3. Do not place any obstacles to oil cooler air intake and exhaust within a distance of 100 mm from the intake and exhaust vent of the motor and the oil cooler. Install the unit at a location with good air flow so that heated air can be vented.
   Take care about the temperature of the intake air: it must satisfy the stipulated condition for ambient temperature (35°C maximum).
4. Use hoses for piping to provide flexibility.
5. Before operating the unit, be sure to remove the wing bolt and spacer for protecting the rubber vibration isolator.
   If you fail to do so, the noise and vibration may be excessive.
6. Be sure to secure the space required to access the unit during electrical wiring at the noise filter box or control unit side.

● Electric wiring

1. Install a no-fuse breaker and a ground fault interrupter compliant with European Standard EN60947-2 in the main power supply of this hydraulic unit, to protect the electrical circuits against shorting and overcurrent, and to prevent electric shocks.
2. Use suitable electric cable in accordance with the power supply capacity.
3. Be sure to provide a ground connection with a grounding resistance of 100 Ω maximum, and connect the grounding wire directly with no breaker in the line.
4. Take care not to leave waste metal such as screws and cutting chips, combustible matter such as wood waste or oil, or wiring debris inside the controller.
5. Use a commercial power supply for the power source. The use of an inverter power supply may cause burn damage to the unit.
6. Before accessing the interior of the controller, turn the unit's power supply OFF. Make sure that the circuit is turned OFF using the circuit breaker for the primary power supply, and then wait at least 5 minutes.

● Other precautions

1. If a failure occurs in the hydraulic unit, the system indicates an alarm and stops.
2. If failure or malfunction of this unit is expected to cause death or pose a danger to human beings, adopt appropriate safety measures in the facilities. If this unit is used in an important facility, also adopt appropriate safety measures in the facility to ensure that a failure of the equipment will not lead to a serious accident or loss.
3. It takes approximately 3 seconds for this hydraulic unit to start up after being powered ON.
   Depending on the piping conditions, the unit may take longer to increase the pressure to the pressure switch"s preset level, resulting in pressure switch signal output. In this case, set the machine up so that it will not accept this alarm output during this period.
4. Do not turn the power OFF/ON with the main power breaker frequently. It may damage inverter components.
   (To start and stop the unit, use the start/stop signal.)

DAIKIN INDUSTRIES, LTD.

Oil Hydraulic Equipment

Osaka Office
YODOGAWA PLANT
1-1, Nishi-Hitotsuya, Settsu, Osaka 566-8585, Japan

Indian Representative
Technocrats Alliance Engineering Pvt. Ltd.
Works/Correspondence Office : 11/23, TIL Compound, Site-IV,
Sahibabad Industrial. Area, Ghaziabad - 201010 (UP) INDIA

Registered Office : C - 12 / 333, Yamuna Vihar, Delhi - 110053 INDIA
Tel: +91-11- 42448311, 22448312 Fax: +91-11-4248312
E-mail : **info@tca.co.in** website : **www.tca.co.in**