

Dry-Type Transformer TKH4 serie



■ Specification

Series Name	TKH4 serie
Normal service conditions	For indoor use, ambient temperature -5 to 40 °C (daily average below 35 °C, yearly average below 20 °C) above altitude 1000m or less
Applicable standard	JEC-2200(2014)transformer & JEM-1310(2001) Dry-type transformer, rise limit and winding standard temperature (Insulation system thermal class [H])
Insulation system thermal class & Temperature rise limit	Insulation system thermal class [H] & Temperature rise limit 140k(winding temperature rise)
Installation location	Indoor installation without case, into cubicle storage

Number of phases - Connection	Single-phase two-wire		Single-phase three-wire				Three-phase (Δ - Δ)		Three-phase (Δ - Δ)	
	50/60	60	50/60	60	50/60	60	50/60	60	50/60	60
Frequency (Hz)	50/60	60	50/60	60	50/60	60	50/60	60	50/60	60
Primary voltage(V)	F220-R210-F200		F220-R210-F200		F440-R420-F400	F460-R440-F420	F440-R420-F400	F460-R440-F420	F440-R420-F400	F460-R440-F420
Secondary voltage(V)	105		210-105		210-105		210		210/121	
Capacity (kVA)	5	7.5	10	15	20	30	40	50	75	100

Number of phases - Connection	Three-phase / Two-phase (Scott connection)		Three-phase / Single-phase (V/Reverse-V)					
	50/60	60	50/60	60	50/60	60	50/60	60
Frequency (Hz)	50/60	60	50/60	60	50/60	60	50/60	60
Primary voltage(V)	210 (100kVA or less) 420 (more than 100kVA)	210(100kVA or less) 440(more than 100kVA)	F220-R210-F200		F220-R210-F200		F440-R420-F400	F460-R440-F420
Secondary voltage(V)	210-105		105		210-105		210-105	
Capacity (kVA)	5	7.5	10	15	20	30	40	50

● Standard specification product ▲ Semi-standard product
 [Please contact us for the dimensions and characteristics of semi-standard products and products with different voltages.]

● Model description

TKH4- - - - - -

- Number of phases (Pri./Sec.)**
 - 1 Single-phase two-wire / Single-phase two-wire
 - 2 Single-phase three-wire / Single-phase three-wire
 - 3 Three-phase (Δ - Δ)
 - 4 Three-phase (Δ - Δ)
 - 5 Three-phase (Δ - Δ)
 - 6 Three-phase (Δ - Δ)
 - 7 Three-phase (Δ - Δ)
 - Q Scott connection (Three-phase / Single-phase x 2)
 - V V/Reverse-V (Three-phase/Single-phase x 1)
 - N Other
- Frequency**
 - 5 50/60Hz
 - 6 60Hz
 - If 50Hz, specify 50/60Hz
- Capacity**
 - Display in kVA units (The number after the decimal point is rounded off. Display in 3 digits) 5 kVA → 0|0|5
- Secondary Volt.**
 - Digit of 100 volts of the rated voltage.
- Primary Volt.**
 - If either the primary or secondary voltage is a non-standard voltage, Please add [N] after the number to specify the primary and secondary voltages. For semi-standard specification voltages in the catalog, [N] is not required.
- Options**
 - B Antivibration rubber
 - C Indoor Case *1
 - D Dial thermometer *2
 - E Earthed plate between H.V. and L.V. windings
 - P Wheels *3
 - T Tap terminal cover

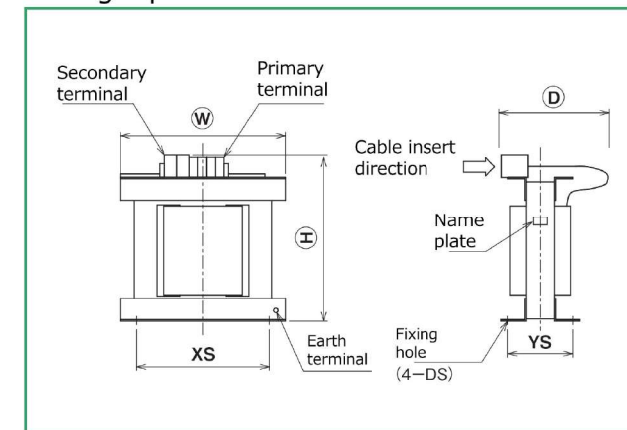
*1 Please let us know if you'd like to change case, material and color. Standard color Munsel 5Y7/1 50% gloss
 *2 The length of a bowstring is 2.5m. Please attach a display side to the board side.
 *3 Please let us know need direction of movement.

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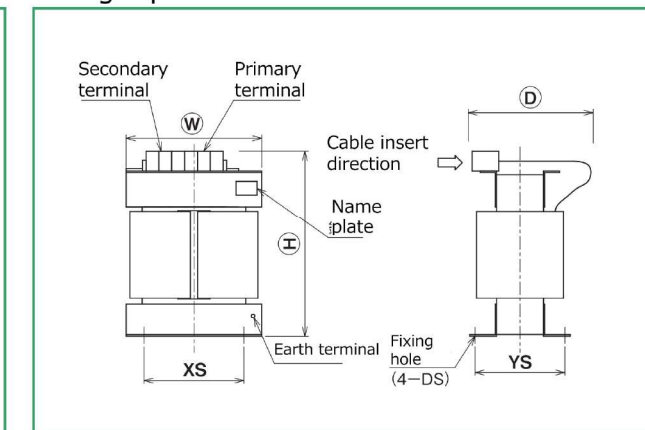
■ Single-phase two-wire ● Primary : F220-R210-F200V ● Secondary : 105V

Capacity (kVA)	Model	Frequency (Hz)	External dimension (mm)			Panel dimension (mm)			Terminal size		Total mass (kg)
			W	D	H	XS	YS	DS	Primary	Secondary	
5	TKH4-15005-21	50/60	360	240	365	290	142	φ 12 slit	M6	M8	44
	TKH4-16005-21	60	360	230	365	290	132	φ 12 slit	M6	M8	38
7.5	TKH4-15008-21	50/60	360	265	365	290	162	φ 12 slit	M8	M8	56
	TKH4-16008-21	60	360	255	365	290	152	φ 12 slit	M8	M8	50
10	TKH4-15010-21	50/60	360	295	370	290	177	φ 12 slit	M8	M10	66
	TKH4-16010-21	60	360	280	370	290	162	φ 12 slit	M8	M10	58
15	TKH4-15015-21	50/60	360	350	390	290	222	φ 12 slit	M10	M10	96
	TKH4-16015-21	60	360	325	390	290	197	φ 12 slit	M10	M10	82
20	TKH4-15020-21	50/60	380	330	520	280	222	φ 12 slit	M10	M10	110
	TKH4-16020-21	60	380	310	520	280	207	φ 12 slit	M10	M10	94
30	TKH4-15030-21	50/60	380	370	520	280	277	φ 12 slit	M10	M10	160
	TKH4-16030-21	60	380	350	520	280	252	φ 12 slit	M10	M10	135
40	TKH4-15040-21	50/60	380	435	635	280	292	φ 12 slit	M10	M12	185
	TKH4-16040-21	60	380	405	635	280	267	φ 12 slit	M10	M12	160
50	TKH4-15050-21	50/60	380	485	635	280	312	φ 12 slit	M10	M12	210
	TKH4-16050-21	60	380	455	635	280	282	φ 12 slit	M10	M12	180
75	TKH4-15075-21	50/60	480	435	790	360	288	φ 12 slit	M12	fig. B	290
	TKH4-16075-21	60	480	405	790	360	258	φ 12 slit	M12	fig. B	250
100	TKH4-15100-21	50/60	480	485	910	360	303	φ 12 slit	fig. A	fig. D	360
	TKH4-16100-21	60	480	455	910	360	273	φ 12 slit	fig. A	fig. D	320

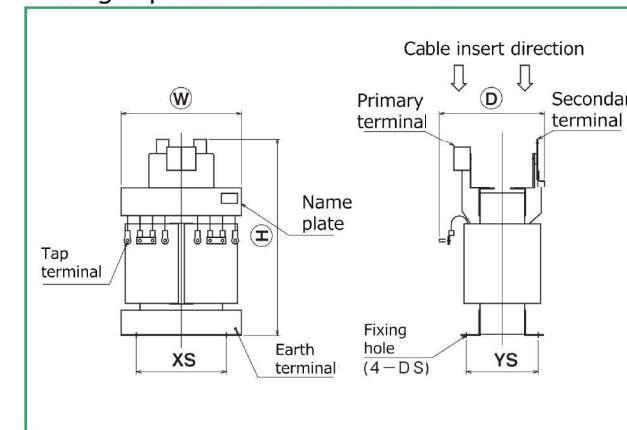
■ Single-phase two-wire 5~15kVA



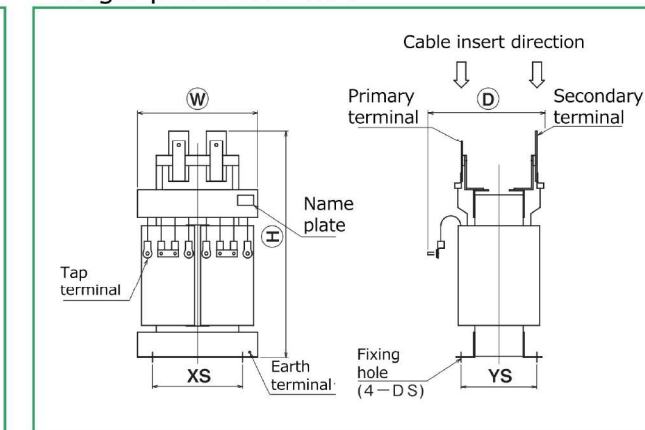
■ Single-phase two-wire 20~50kVA



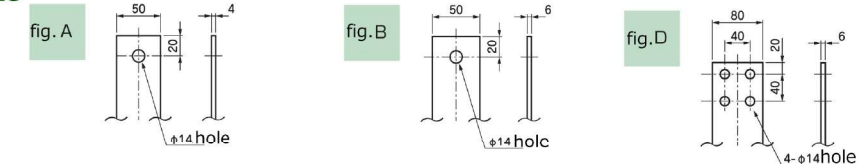
■ Single-phase two-wire 75kVA



■ Single-phase two-wire 100kVA



● Terminal size

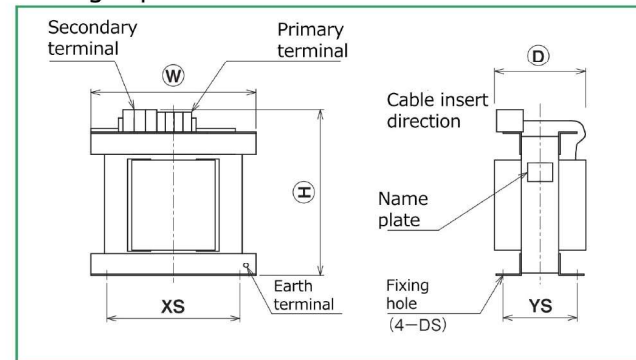


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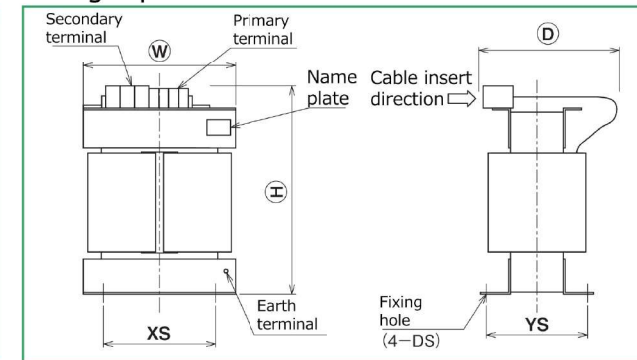
● Primary : F440-R420-F400V (50/60Hz) · F460-R440-F420V (60Hz)
 ■ Single-phase three-wire ● Secondary : 210-105V

Capacity (kVA)	Model	Frequency (Hz)	External dimension (mm)			Panel dimension (mm)			Terminal size		Total mass (kg)
			W	D	H	XS	YS	DS	Primary	Secondary	
5	TKH4-25005-42	50/60	360	210	360	290	142	φ 12 slit	M5	M6	46
	TKH4-26005-42	60	360	200	360	290	132	φ 12 slit	M5	M6	40
7.5	TKH4-25008-42	50/60	360	250	365	290	162	φ 12 slit	M6	M8	56
	TKH4-26008-42	60	360	240	365	290	152	φ 12 slit	M6	M8	52
10	TKH4-25010-42	50/60	360	280	365	290	177	φ 12 slit	M6	M8	66
	TKH4-26010-42	60	360	270	365	290	162	φ 12 slit	M6	M8	56
15	TKH4-25015-42	50/60	360	340	390	290	222	φ 12 slit	M8	M10	96
	TKH4-26015-42	60	360	315	390	290	197	φ 12 slit	M8	M10	82
20	TKH4-25020-42	50/60	380	330	520	280	222	φ 12 slit	M8	M10	110
	TKH4-26020-42	60	380	300	520	280	207	φ 12 slit	M8	M10	94
30	TKH4-25030-42	50/60	380	370	520	280	277	φ 12 slit	M8	M10	160
	TKH4-26030-42	60	380	350	520	280	252	φ 12 slit	M8	M10	135
40	TKH4-25040-42	50/60	380	420	630	280	292	φ 12 slit	M8	M10	185
	TKH4-26040-42	60	380	390	630	280	267	φ 12 slit	M8	M10	160
50	TKH4-25050-42	50/60	380	455	635	280	312	φ 12 slit	M10	M12	210
	TKH4-26050-42	60	380	425	635	280	282	φ 12 slit	M10	M12	180
75	TKH4-25075-42	50/60	480	430	755	360	288	φ 12 slit	M10	M12	290
	TKH4-26075-42	60	480	400	755	360	258	φ 12 slit	M10	M12	250
100	TKH4-25100-42	50/60	480	450	835	360	303	φ 12 slit	M10	M12	360
	TKH4-26100-42	60	480	420	835	360	273	φ 12 slit	M10	M12	320
150	TKH4-25150-42	50/60	620	510	975	470	390	φ 15	M12	fig.E, fig.G	390
	TKH4-26150-42	60	620	480	975	470	360	φ 15	M12	fig.E, fig.G	340
200	TKH4-25200-42	50/60	660	555	1135	530	410	φ 20	fig. A	fig.E, fig.G	500
	TKH4-26200-42	60	660	525	1135	530	380	φ 20	fig. A	fig.E, fig.G	430
300	TKH4-25300-42	50/60	660	600	1255	530	440	φ 20	fig. D	fig.F, fig.H	740
	TKH4-26300-42	60	660	565	1255	530	410	φ 20	fig. D	fig.F, fig.H	640

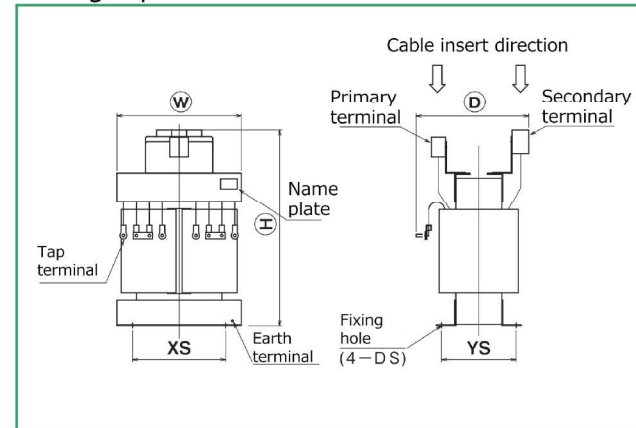
■ Single-phase three-wire 5~15kVA



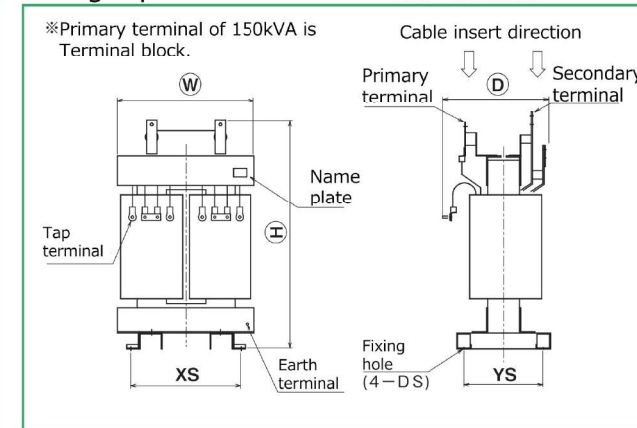
■ Single-phase three-wire 20~50kVA



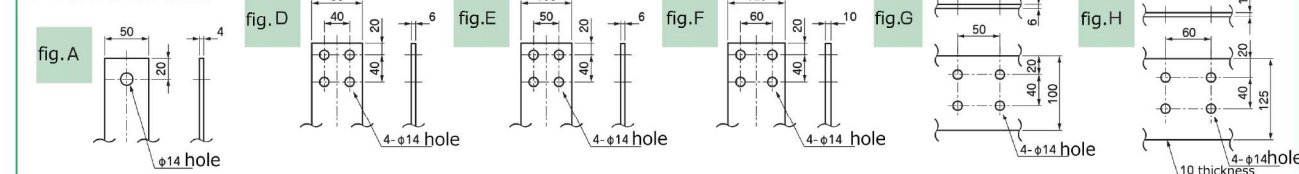
■ Single-phase three-wire 75~100kVA



■ Single-phase three-wire 150~300kVA



● Terminal size

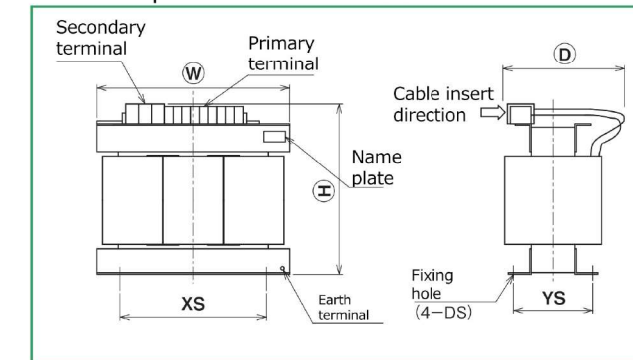


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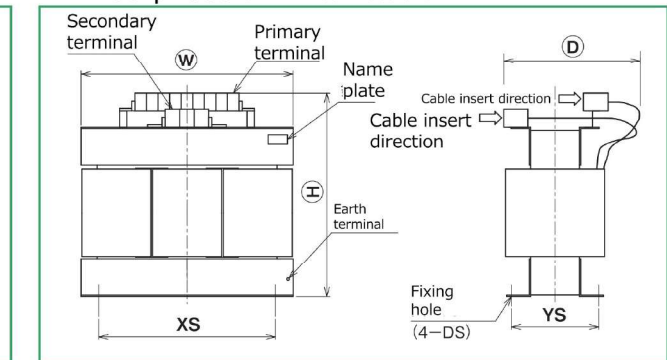
● Primary : F440-R420-F400V (50/60Hz) · F460-R440-F420V (60Hz)
 ■ Three-phase (Δ-Δ connection) ● Secondary : 210V

Capacity (kVA)	Model	Frequency (Hz)	External dimension (mm)			Panel dimension (mm)			Terminal size		Total mass (kg)
			W	D	H	XS	YS	DS	Primary	Secondary	
5	TKH4-35005-42	50/60	390	190	325	290	147	φ 12 slit	M4	M4	48
	TKH4-36005-42	60	390	180	325	290	137	φ 12 slit	M4	M4	44
7.5	TKH4-35008-42	50/60	390	215	330	290	167	φ 12 slit	M4	M5	62
	TKH4-36008-42	60	390	205	330	290	152	φ 12 slit	M4	M5	54
10	TKH4-35010-42	50/60	390	240	360	290	187	φ 12 slit	M5	M5	82
	TKH4-36010-42	60	390	220	360	290	167	φ 12 slit	M5	M5	72
15	TKH4-35015-42	50/60	540	245	410	410	182	φ 12 slit	M5	M6	105
	TKH4-36015-42	60	540	235	410	410	172	φ 12 slit	M5	M6	94
20	TKH4-35020-42	50/60	540	280	445	410	197	φ 12 slit	M6	M8	120
	TKH4-36020-42	60	540	270	445	410	182	φ 12 slit	M6	M8	105
30	TKH4-35030-42	50/60	540	340	480	410	222	φ 12 slit	M8	M10	160
	TKH4-36030-42	60	540	320	480	410	202	φ 12 slit	M8	M10	140
40	TKH4-35040-42	50/60	600	345	565	490	222	φ 12 slit	M8	M10	185
	TKH4-36040-42	60	600	330	565	490	207	φ 12 slit	M8	M10	160
50	TKH4-35050-42	50/60	600	400	570	490	252	φ 12 slit	M10	M10	230
	TKH4-36050-42	60	600	380	570	490	232	φ 12 slit	M10	M10	200
75	TKH4-35075-42	50/60	660	435	635	550	272	φ 12 slit	M10	M10	345
	TKH4-36075-42	60	660	410	635	550	247	φ 12 slit	M10	M10	295
100	TKH4-35100-42	50/60	660	460	685	550	297	φ 12 slit	M10	M10	425
	TKH4-36100-42	60	660	440	685	550	267	φ 12 slit	M10	M10	365
150	TKH4-35150-42	50/60	810	575	890	740	430	φ 20	M10	M12	540
	TKH4-36150-42	60	810	540	890	740	390	φ 20	M10	M12	460
200	TKH4-35200-42	50/60	810	585	985	740	430	φ 20	M10	fig. A	690
	TKH4-36200-42	60	810	555	985	740	400	φ 20	M10	fig. A	600
300	TKH4-35300-42	50/60	1010	630	1115	870	400	φ 20	M12	fig. E	890
	TKH4-36300-42	60	1010	600	1115	870	370	φ 20	M12	fig. E	780

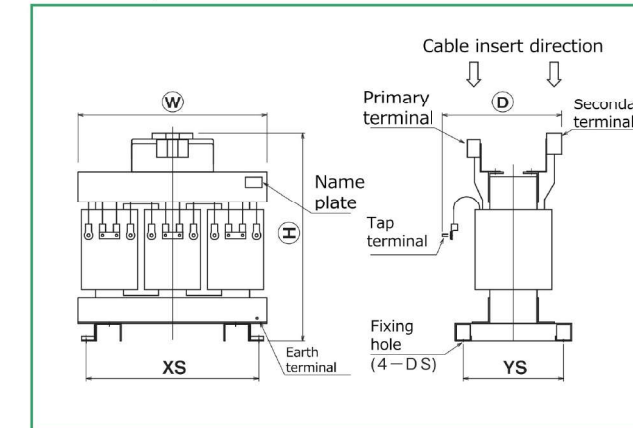
■ Three-phase (Δ-Δ connection) 5~30kVA



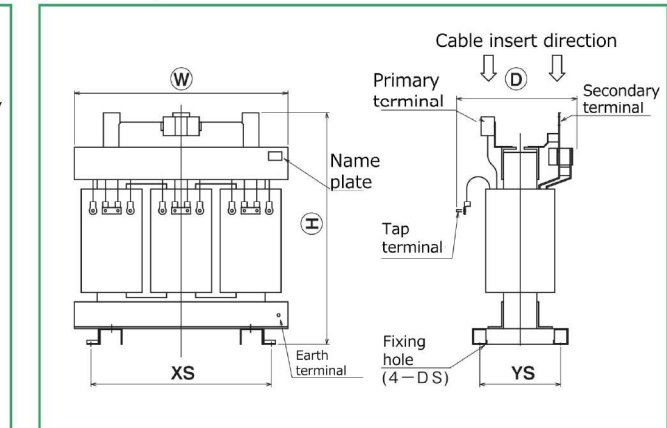
■ Three-phase (Δ-Δ connection) 40~100kVA



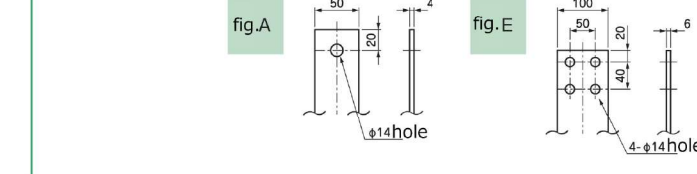
■ Three-phase (Δ-Δ connection) 150kVA



■ Three-phase (Δ-Δ connection) 200~300kVA



● Terminal size

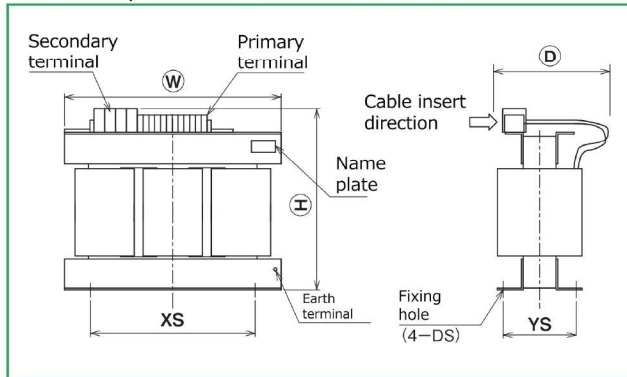


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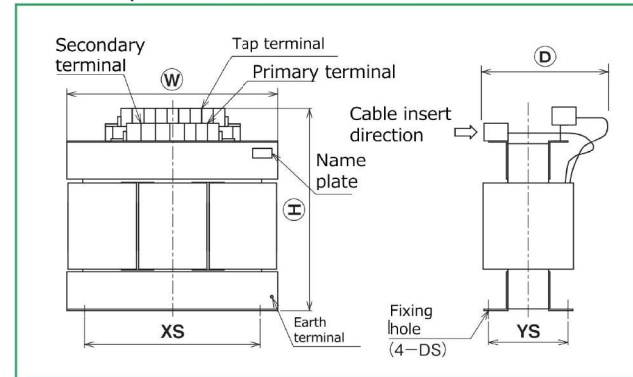
● Primary : F440-R420-F400V (50/60Hz) · F460-R440-F420V (60Hz)
 ■ Three-phase (Δ-↘ connection) ● Secondary : 210/121V

Capacity (kVA)	Model	Frequency (Hz)	External dimension (mm)			Panel dimension (mm)			Terminal size		Total mass (kg)
			W	D	H	XS	YS	DS	Primary	Secondary	
5	TKH4-45005-42	50/60	390	195	325	290	147	φ 12 slit	M4	M4	48
	TKH4-46005-42	60	390	185	325	290	137	φ 12 slit	M4	M4	44
7.5	TKH4-45008-42	50/60	390	235	330	290	167	φ 12 slit	M4	M6	58
	TKH4-46008-42	60	390	220	330	290	152	φ 12 slit	M4	M6	50
10	TKH4-45010-42	50/60	390	265	360	290	187	φ 12 slit	M4	M6	76
	TKH4-46010-42	60	390	245	360	290	167	φ 12 slit	M4	M6	64
15	TKH4-45015-42	50/60	540	260	410	410	182	φ 12 slit	M5	M6	105
	TKH4-46015-42	60	540	250	410	410	172	φ 12 slit	M5	M6	96
20	TKH4-45020-42	50/60	540	300	445	410	197	φ 12 slit	M5	M8	135
	TKH4-46020-42	60	540	290	445	410	182	φ 12 slit	M5	M8	115
30	TKH4-45030-42	50/60	540	380	480	410	222	φ 12 slit	M6	M10	160
	TKH4-46030-42	60	540	360	480	410	202	φ 12 slit	M6	M10	140
40	TKH4-45040-42	50/60	600	370	560	490	222	φ 12 slit	M6	M10	185
	TKH4-46040-42	60	600	360	560	490	207	φ 12 slit	M6	M10	165
50	TKH4-45050-42	50/60	600	420	565	490	252	φ 12 slit	M8	M10	230
	TKH4-46050-42	60	600	400	565	490	232	φ 12 slit	M8	M10	205
75	TKH4-45075-42	50/60	660	470	635	550	272	φ 12 slit	M10	M10	345
	TKH4-46075-42	60	660	450	635	550	247	φ 12 slit	M10	M10	295
100	TKH4-45100-42	50/60	660	510	685	550	297	φ 12 slit	M10	M12	430
	TKH4-46100-42	60	660	480	685	550	267	φ 12 slit	M10	M12	360
150	TKH4-45150-42	50/60	810	535	890	740	430	φ 20	M10	M12	580
	TKH4-46150-42	60	810	500	890	740	390	φ 20	M10	M12	500
200	TKH4-45200-42	50/60	810	600	985	740	430	φ 20	M10	fig.A	700
	TKH4-46200-42	60	810	570	985	740	400	φ 20	M10	fig.A	610
300	TKH4-45300-42	50/60	1010	550	1115	870	400	φ 20	M12	fig.E, fig.G	800
	TKH4-46300-42	60	1010	520	1115	870	370	φ 20	M12	fig.E, fig.G	690

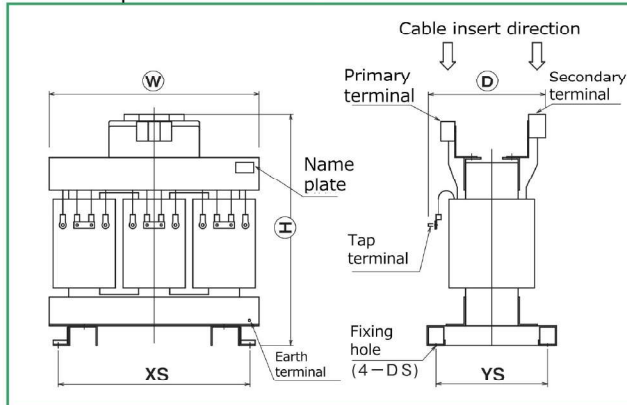
■ Three-phase (Δ-↘ connection) 5~30kVA



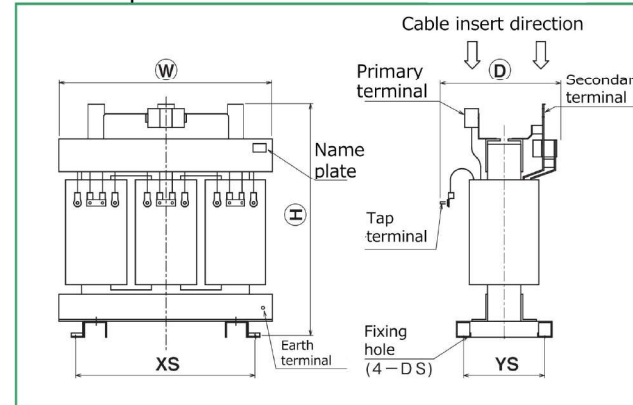
■ Three-phase (Δ-↘ connection) 40~100kVA



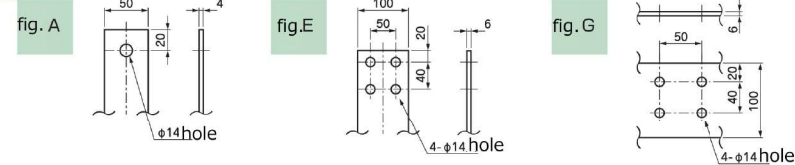
■ Three-phase (Δ-↘ connection) 150kVA



■ Three-phase (Δ-↘ connection) 200~300kVA



● Terminal size

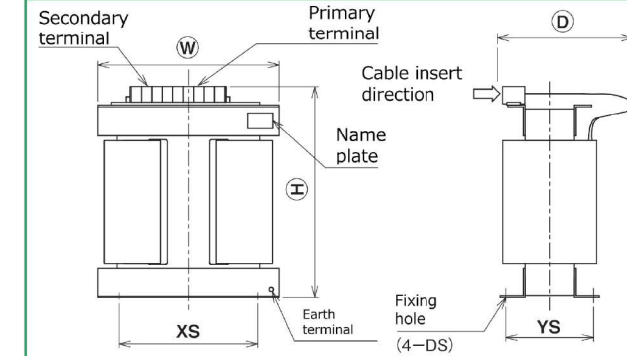


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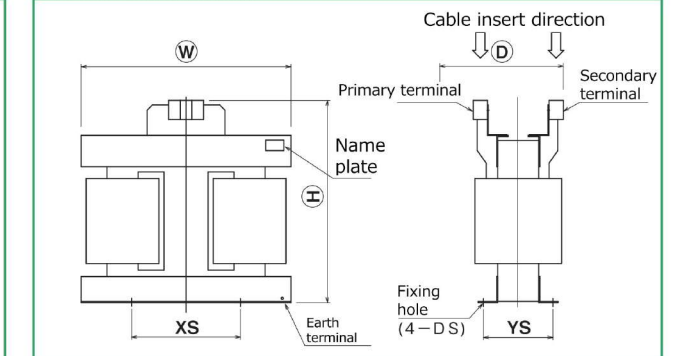
■ Three-phase / Two-phase (Scott connection) ● Primary: 210V(or less) 420V(more than 100kVA) ● Secondary: 210-105V(50/60Hz)
 ● Primary: 210V(or less) 440V(more than 100kVA) ● Secondary: 210-105V(60Hz)

Capacity (kVA)	Model	Frequency (Hz)	External dimension (mm)			Panel dimension (mm)			Terminal size		Total mass (kg)
			W	D	H	XS	YS	DS	Primary	Secondary	
5	TKH4-Q5005-22	50/60	400	205	330	290	147	φ 12 slit	M4	M5	52
	TKH4-Q6005-22	60	400	190	330	290	137	φ 12 slit	M4	M5	46
7.5	TKH4-Q5008-22	50/60	400	230	360	290	167	φ 12 slit	M4	M5	70
	TKH4-Q6008-22	60	400	215	360	290	152	φ 12 slit	M4	M5	60
10	TKH4-Q5010-22	50/60	400	260	400	290	182	φ 12 slit	M6	M6	80
	TKH4-Q6010-22	60	400	240	400	290	162	φ 12 slit	M6	M6	66
15	TKH4-Q5015-22	50/60	470	285	445	360	197	φ 12 slit	M8	M8	115
	TKH4-Q6015-22	60	470	275	445	360	182	φ 12 slit	M8	M8	100
20	TKH4-Q5020-22	50/60	470	305	475	360	212	φ 12 slit	M8	M8	140
	TKH4-Q6020-22	60	470	285	475	360	192	φ 12 slit	M8	M8	120
30	TKH4-Q5030-22	50/60	470	350	550	360	227	φ 12 slit	M8	M8	180
	TKH4-Q6030-22	60	470	330	550	360	207	φ 12 slit	M8	M8	160
40	TKH4-Q5040-22	50/60	580	380	595	450	237	φ 12 slit	M10	M10	230
	TKH4-Q6040-22	60	580	360	595	450	217	φ 12 slit	M10	M10	200
50	TKH4-Q5050-22	50/60	580	425	645	450	262	φ 12 slit	M10	M10	300
	TKH4-Q6050-22	60	580	405	645	450	242	φ 12 slit	M10	M10	260
75	TKH4-Q5075-22	50/60	605	500	645	450	307	φ 12 slit	M10	M10	390
	TKH4-Q6075-22	60	605	470	645	450	272	φ 12 slit	M10	M10	325
100	TKH4-Q5100-22	50/60	810	480	785	420	268	φ 12 slit	M10	M10	440
	TKH4-Q6100-22	60	810	450	785	420	243	φ 12 slit	M10	M10	380
150	TKH4-Q5150-42	50/60	810	540	950	690	420	φ 20	M10	M12	690
	TKH4-Q6150-42	60	810	510	950	690	390	φ 20	M10	M12	580
200	TKH4-Q5200-42	50/60	920	540	1110	760	410	φ 20	fig.A	fig.D	770
	TKH4-Q6200-42	60	920	510	1110	760	380	φ 20	fig.A	fig.D	660
300	TKH4-Q5300-42	50/60	920	560	1230	760	430	φ 20	fig.A	fig.E	1050
	TKH4-Q6300-42	60	920	530	1230	760	400	φ 20	fig.A	fig.E	930

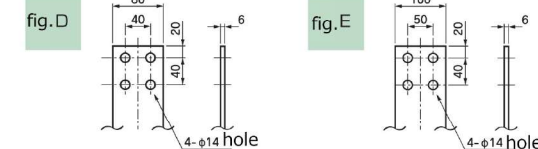
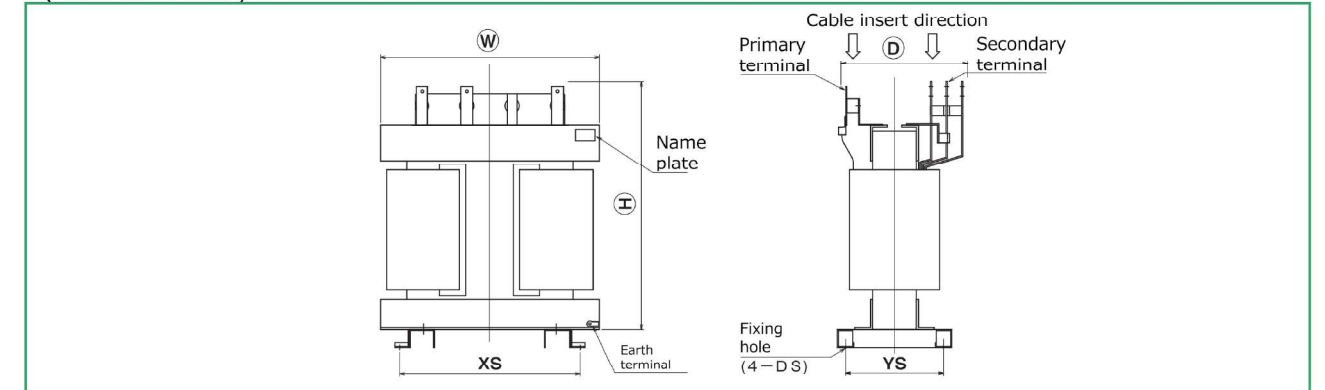
■ Three-phase / Two-phase (Scott connection) 5~75kVA



■ Three-phase / Two-phase (Scott connection) 100~150kVA



■ Three-phase / Two-phase (Scott connection) 200~300kVA



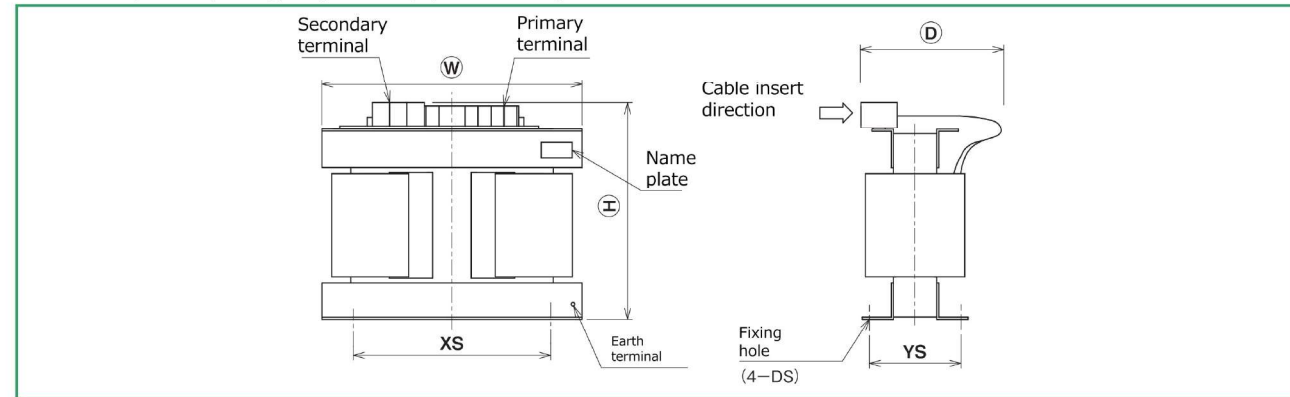
Select List/Outline drawing

● Primary : F220-R210-F200V
 ● Secondary : 210-105V

■ Three-phase/Single-phase (V/Reverse-V)

Capacity (kVA)	Model	Frequency (Hz)	External dimension (mm)			Panel dimension (mm)			Terminal size		Total mass (kg)
			W	D	H	XS	YS	DS	Primary	Secondary	
5	TKH4-V5005-22	50/60	390	210	335	290	162	φ 12 slit	M5	M8	56
	TKH4-V6005-22	60	390	190	335	290	147	φ 12 slit	M5	M8	48
7.5	TKH4-V5008-22	50/60	395	280	365	290	182	φ 12 slit	M6	M8	70
	TKH4-V6008-22	60	395	260	365	290	167	φ 12 slit	M6	M8	62
10	TKH4-V5010-22	50/60	395	305	365	290	192	φ 12 slit	M6	M8	80
	TKH4-V6010-22	60	395	285	365	290	177	φ 12 slit	M6	M8	70
15	TKH4-V5015-22	50/60	540	300	450	410	192	φ 12 slit	M8	M10	120
	TKH4-V6015-22	60	540	290	450	410	177	φ 12 slit	M8	M10	105
20	TKH4-V5020-22	50/60	540	320	480	410	202	φ 12 slit	M8	M10	140
	TKH4-V6020-22	60	540	310	480	410	187	φ 12 slit	M8	M10	125
30	TKH4-V5030-22	50/60	545	450	480	410	237	φ 12 slit	M10	M10	190
	TKH4-V6030-22	60	545	430	480	410	217	φ 12 slit	M10	M10	165

■ Three-phase/Single-phase (V/Reverse-V) 5~30kVA



With indoor case(option)/Outline drawing

■ Three-phase (Δ-Δ connection)

Capacity (kVA)	Model	Freq. (Hz)	External dimension (mm)			Panel dimension (mm)			Total mass (kg)	Outline drawing
			W	D	H	XS	YS	DS		
5	TKH4-35005-42C	50/60	520	520	645	460	400	φ 15	83	fig. 1
	TKH4-36005-42C	60	520	520	645	460	400	φ 15	79	
7.5	TKH4-35008-42C	50/60	520	520	645	460	400	φ 15	97	fig. 1
	TKH4-36008-42C	60	520	520	645	460	400	φ 15	89	
10	TKH4-35010-42C	50/60	520	520	645	460	400	φ 15	117	fig. 1
	TKH4-36010-42C	60	520	520	645	460	400	φ 15	107	
15	TKH4-35015-42C	50/60	620	620	845	560	500	φ 15	150	fig. 1
	TKH4-36015-42C	60	620	620	845	560	500	φ 15	139	
20	TKH4-35020-42C	50/60	620	620	845	560	500	φ 15	165	fig. 1
	TKH4-36020-42C	60	620	620	845	560	500	φ 15	150	
30	TKH4-35030-42C	50/60	620	620	845	560	500	φ 15	205	fig. 1
	TKH4-36030-42C	60	620	620	845	560	500	φ 15	185	
40	TKH4-35040-42C	50/60	720	670	855	660	550	φ 15	240	fig. 2
	TKH4-36040-42C	60	720	670	855	660	550	φ 15	215	
50	TKH4-35050-42C	50/60	720	670	855	660	550	φ 15	285	fig. 2
	TKH4-36050-42C	60	720	670	855	660	550	φ 15	255	
75	TKH4-35075-42C	50/60	770	670	925	710	550	φ 15	410	fig. 2
	TKH4-36075-42C	60	770	670	925	710	550	φ 15	360	
100	TKH4-35100-42C	50/60	770	670	925	710	550	φ 15	490	fig. 2
	TKH4-36100-42C	60	770	670	925	710	550	φ 15	430	
150	TKH4-35150-42C	50/60	900	670	1175	600	560	φ 15	635	fig. 2
	TKH4-36150-42C	60	900	670	1175	600	560	φ 15	555	
200	TKH4-35200-42C	50/60	900	670	1375	600	660	φ 15	800	fig. 2
	TKH4-36200-42C	60	900	670	1375	600	660	φ 15	710	
300	TKH4-35300-42C	50/60	1150	820	1515	700	700	φ 20	1050	fig. 2
	TKH4-36300-42C	60	1150	820	1515	700	700	φ 20	940	

■ Three-phase (Δ-Δ connection)

Capacity (kVA)	Model	Freq. (Hz)	External dimension (mm)			Panel dimension (mm)			Total mass (kg)	Outline drawing
			W	D	H	XS	YS	DS		
5	TKH4-45005-42C	50/60	520	520	645	460	400	φ 15	83	fig. 1
	TKH4-46005-42C	60	520	520	645	460	400	φ 15	79	
7.5	TKH4-45008-42C	50/60	520	520	645	460	400	φ 15	93	fig. 1
	TKH4-46008-42C	60	520	520	645	460	400	φ 15	85	
10	TKH4-45010-42C	50/60	520	520	645	460	400	φ 15	111	fig. 1
	TKH4-46010-42C	60	520	520	645	460	400	φ 15	99	
15	TKH4-45015-42C	50/60	620	620	845	560	500	φ 15	150	fig. 1
	TKH4-46015-42C	60	620	620	845	560	500	φ 15	141	
20	TKH4-45020-42C	50/60	620	620	845	560	500	φ 15	180	fig. 1
	TKH4-46020-42C	60	620	620	845	560	500	φ 15	160	
30	TKH4-45030-42C	50/60	620	620	845	560	500	φ 15	205	fig. 1
	TKH4-46030-42C	60	620	620	845	560	500	φ 15	185	
40	TKH4-45040-42C	50/60	720	670	855	660	550	φ 15	240	fig. 2
	TKH4-46040-42C	60	720	670	855	660	550	φ 15	220	
50	TKH4-45050-42C	50/60	720	670	855	660	550	φ 15	285	fig. 2
	TKH4-46050-42C	60	720	670	855	660	550	φ 15	260	
75	TKH4-45075-42C	50/60	770	670	925	710	550	φ 15	410	fig. 2
	TKH4-46075-42C	60	770	670	925	710	550	φ 15	360	
100	TKH4-45100-42C	50/60	770	670	925	710	550	φ 15	495	fig. 2
	TKH4-46100-42C	60	770	670	925	710	550	φ 15	425	
150	TKH4-45150-42C	50/60	900	670	1175	600	560	φ 15	675	fig. 2
	TKH4-46150-42C	60	900	670	1175	600	560	φ 15	595	
200	TKH4-45200-42C	50/60	900	670	1375	600	660	φ 15	810	fig. 2
	TKH4-46200-42C	60	900	670	1375	600	660	φ 15	720	
300	TKH4-45300-42C	50/60	1150	820	1515	700	700	φ 20	960	fig. 2
	TKH4-46300-42C	60	1150	820	1515	700	700	φ 20	850	

■ Three-phase / Two-phase (Scott connection)

Capacity (kVA)	Model	Freq. (Hz)	External dimension (mm)			Panel dimension (mm)			Total mass (kg)	Outline drawing
			W	D	H	XS	YS	DS		
5	TKH4-Q5005-22C	50/60	520	520	645	460	400	φ 15	87	fig. 1
	TKH4-Q6005-22C	60	520	520	645	460	400	φ 15	81	
7.5	TKH4-Q5008-22C	50/60	520	520	645	460	400	φ 15	105	fig. 1
	TKH4-Q6008-22C	60	520	520	645	460	400	φ 15	95	
10	TKH4-Q5010-22C	50/60	520	520	645	460	400	φ 15	115	fig. 1
	TKH4-Q6010-22C	60	520	520	645	460	400	φ 15	101	
15	TKH4-Q5015-22C	50/60	620	620	845	560	500	φ 15	160	fig. 1
	TKH4-Q6015-22C	60	620	620	845	560	500	φ 15	145	
20	TKH4-Q5020-22C	50/60	620	620	845	560	500	φ 15	185	fig. 1
	TKH4-Q6020-22C	60	620	620	845	560	500	φ 15	165	
30	TKH4-Q5030-22C	50/60	620	620	845	560	500	φ 15	225	fig. 1
	TKH4-Q6030-22C	60	620	620	845	560	500	φ 15	205	
40	TKH4-Q5040-22C	50/60	720	670	855	660	550	φ 15	285	fig. 2
	TKH4-Q6040-22C	60	720	670	855	660	550	φ 15	255	
50	TKH4-Q5050-22C	50/60	720	670	855	660	550	φ 15	355	fig. 2
	TKH4-Q6050-22C	60	720	670	855	660	550	φ 15	315	
75	TKH4-Q5075-22C	50/60	770	670	925	710	550	φ 15	460	fig. 2
	TKH4-Q6075-22C	60	770	670	925	710	550	φ 15	395	
100	TKH4-Q5100-22C	50/60	950	670	1100	870	550	φ 15	510	fig. 2
	TKH4-Q6100-22C	60	950	670	1100	870	550	φ 15	450	
150	TKH4-Q5150-42C	50/60	950	670	1275	600	660	φ 15	800	fig. 2
	TKH4-Q6150-42C	60	950	670	1275	600	660	φ 15	690	
200	TKH4-Q5200-42C	50/60	1000	770	1500	600	650	φ 20	900	fig. 2
	TKH4-Q6200-42C	60	1000	770	1500	600	650	φ 20	790	
300	TKH4-Q5300-42C	50/60	1050	820	1665	700	700	φ 20	1200	fig. 2
	TKH4-Q6300-42C	60	1050	820	1665	700	700	φ 20	1080	

■ Three-phase/Single-phase (V/Reverse-V)

Capacity (kVA)	Model	Freq. (Hz)	External dimension (mm)			Panel dimension (mm)			Total mass (kg)	Outline drawing
			W	D	H	XS	YS	DS		
5	TKH4-V5005-22C	50/60	520	520	645	460	400	φ 15	91	fig. 1
	TKH4-V6005-22C	60	520	520	645	460	400	φ 15	83	
7.5	TKH4-V5008-22C	50/60	520	520	645	460	400	φ 15	105	fig. 1
	TKH4-V6008-22C	60	520	520	645	460	400	φ 15	97	
10	TKH4-V5010-22C	50/60	520	520	645	460	400	φ 15	115	fig. 1
	TKH4-V6010-22C	60	520	520	645	460	400	φ 15	105	
15	TKH4-V5015-22C	50/60	620	620	845	560	500	φ 15	165	

Select List

Single-phase two-wire

Capacity (kVA)	Freq. (Hz)	Total loss (W)	Short-circuit impedance (%)	Inrush currents (times)	Breaker recommended for primary side
5	50/60	330	4.6	17	50AF-40AT
	60	330	4.5	16	50AF-40AT
7.5	50/60	420	4.4	17	100AF-75AT
	60	400	4.6	15	100AF-75AT
10	50/60	490	3.9	19	100AF-100AT
	60	480	4.0	17	100AF-100AT
15	50/60	640	3.2	22	225AF-175AT
	60	630	3.1	21	225AF-175AT
20	50/60	1020	4.0	22	225AF-225AT
	60	990	4.0	20	225AF-225AT
30	50/60	1260	3.1	28	400AF-400AT
	60	1180	2.8	27	400AF-400AT
40	50/60	1510	3.0	24	600AF-600AT
	60	1450	2.9	23	600AF-600AT
50	50/60	1670	2.9	24	600AF-600AT
	60	1610	2.8	22	600AF-600AT
75	50/60	2170	3.0	22	800AF-800AT
	60	2110	3.1	21	800AF-800AT
100	50/60	2660	2.9	20	1000AF-1000AT
	60	2560	3.1	18	1000AF-1000AT

Single-phase three-wire

Capacity (kVA)	Freq. (Hz)	Total loss (W)	Short-circuit impedance (%)	Inrush currents (times)	Breaker recommended for primary side
5	50/60	330	4.6	18	30AF-30AT
	60	320	4.4	18	30AF-30AT
7.5	50/60	400	4.1	18	50AF-40AT
	60	380	4.2	17	50AF-40AT
10	50/60	530	4.1	18	50AF-50AT
	60	510	4.3	16	50AF-40AT
15	50/60	640	3.2	21	100AF-75AT
	60	620	3.1	22	100AF-75AT
20	50/60	1020	4.1	22	125AF-125AT
	60	1030	4.1	21	125AF-125AT
30	50/60	1250	3.1	27	225AF-200AT
	60	1190	2.9	27	225AF-200AT
40	50/60	1420	2.8	26	400AF-300AT
	60	1420	2.9	23	400AF-300AT
50	50/60	1660	2.8	24	400AF-300AT
	60	1550	2.8	23	400AF-300AT
75	50/60	2050	2.8	22	400AF-400AT
	60	2050	3.0	21	400AF-400AT
100	50/60	2660	2.9	20	600AF-500AT
	60	2550	3.0	19	600AF-500AT
150	50/60	4150	4.5	17	600AF-600AT
	60	3950	4.8	16	600AF-600AT
200	50/60	6120	3.8	19	800AF-800AT
	60	4860	4.1	19	800AF-800AT
300	50/60	6330	3.5	19	1250AF-1250AT
	60	6140	3.8	18	1250AF-1250AT

Three-phase (Y-Δ connection)

Capacity (kVA)	Freq. (Hz)	Total loss (W)	Short-circuit impedance (%)	Inrush currents (times)	Breaker recommended for primary side
5	50/60	390	5.5	13	30AF-10AT
	60	370	5.1	14	30AF-10AT
7.5	50/60	500	4.7	15	30AF-15AT
	60	480	4.2	16	30AF-15AT
10	50/60	630	4.3	16	30AF-30AT
	60	590	3.8	18	30AF-30AT
15	50/60	900	4.8	13	30AF-30AT
	60	850	4.7	12	30AF-30AT
20	50/60	1220	5.1	11	50AF-40AT
	60	1150	4.9	11	50AF-40AT
30	50/60	1430	4.5	11	60AF-60AT
	60	1350	4.4	11	60AF-60AT
40	50/60	1870	4.6	11	100AF-75AT
	60	1780	4.7	10	100AF-75AT
50	50/60	1960	3.8	13	100AF-100AT
	60	1870	3.8	12	100AF-100AT
75	50/60	2510	3.2	13	225AF-150AT
	60	2410	3.2	13	225AF-150AT
100	50/60	3110	2.8	15	225AF-200AT
	60	3000	2.9	14	225AF-200AT
150	50/60	4570	3.4	13	400AF-300AT
	60	4370	3.5	12	400AF-300AT
200	50/60	5090	3.3	12	400AF-350AT
	60	4850	3.4	11	400AF-350AT
300	50/60	7190	4.1	11	600AF-600AT
	60	6860	4.4	11	600AF-600AT

Three-phase (Δ-Δ connection)

Capacity (kVA)	Freq. (Hz)	Total loss (W)	Short-circuit impedance (%)	Inrush currents (times)	Breaker recommended for primary side
5	50/60	390	5.7	11	30AF-10AT
	60	380	5.3	11	30AF-10AT
7.5	50/60	500	4.7	13	30AF-15AT
	60	480	4.3	14	30AF-15AT
10	50/60	620	4.5	12	30AF-20AT
	60	620	4.4	12	30AF-20AT
15	50/60	880	4.8	12	30AF-30AT
	60	830	4.7	11	30AF-30AT
20	50/60	1070	4.5	11	50AF-40AT
	60	1040	4.4	11	50AF-40AT
30	50/60	1430	4.3	10	60AF-60AT
	60	1360	4.2	10	60AF-60AT
40	50/60	1800	4.7	9	100AF-75AT
	60	1710	4.8	8	100AF-75AT
50	50/60	2020	4.0	10	100AF-100AT
	60	1920	4.0	9	100AF-100AT
75	50/60	2510	3.1	13	225AF-150AT
	60	2420	3.1	12	225AF-150AT
100	50/60	3040	2.9	13	225AF-200AT
	60	3090	3.1	12	225AF-200AT
150	50/60	4260	3.4	11	400AF-300AT
	60	4080	3.5	10	400AF-300AT
200	50/60	4970	3.2	11	400AF-350AT
	60	4930	3.5	10	400AF-350AT
300	50/60	7500	4.0	10	600AF-600AT
	60	7140	4.3	10	600AF-600AT

Select List

Three-phase / Two-phase (Scott connection)

Capacity (kVA)	Freq. (Hz)	Total loss (W)	Short-circuit impedance (%)		Inrush currents (times)	Breaker recommended for primary side
			Main side	Tapper side		
5	50/60	450	5.7	7.3	13	30AF-20AT
	60	430	5.4	7.0	12	30AF-20AT
7.5	50/60	560	4.5	5.8	17	50AF-40AT
	60	520	4.3	5.3	16	50AF-40AT
10	50/60	660	3.6	5.3	18	50AF-50AT
	60	650	3.4	5.0	18	50AF-50AT
15	50/60	880	3.2	4.4	20	125AF-100AT
	60	860	3.1	4.2	19	125AF-100AT
20	50/60	1080	3.8	4.6	16	125AF-100AT
	60	1060	3.7	4.4	16	125AF-100AT
30	50/60	1480	3.5	4.3	17	225AF-150AT
	60	1430	3.5	4.2	16	225AF-150AT
40	50/60	1800	3.8	4.4	14	225AF-175AT
	60	1760	3.9	4.5	14	225AF-175AT
50	50/60	1960	2.7	3.2	20	400AF-300AT
	60	1900	2.8	3.2	18	400AF-300AT
75	50/60	2750	3.7	4.1	14	400AF-300AT
	60	2690	3.9	4.1	14	400AF-300AT
100	50/60	4390	5.8	6.1	10	400AF-350AT
	60	4270	6.3	6.5	9	400AF-350AT
150	50/60	5290	4.9	6.0	11	400AF-300AT
	60	5000	5.3	6.3	10	400AF-300AT
200	50/60	6570	3.9	4.2	16	400AF-400AT
	60	5530	4.3	4.5	15	400AF-400AT
300	50/60	7180	4.1	4.2	14	600AF-600AT
	60	7050	4.5	4.6	13	600AF-600AT

Three-phase/Single-phase (V/Reverse-V)

Capacity (kVA)	Freq. (Hz)	Total loss (W)	Short-circuit impedance (%)	Inrush currents (times)	Breaker recommended for primary side
5	50/60	440	6.5	14	50AF-40AT
	60	440	6.3	14	50AF-40AT
7.5	50/60	530	4.9	17	60AF-60AT
	60	510	4.8	16	60AF-60AT
10	50/60	660	5.6	16	100AF-75AT
	60	630	5.7	15	100AF-75AT
15	50/60	930	5.7	15	125AF-125AT
	60	910	5.8	14	125AF-125AT
20	50/60	1150	5.7	15	225AF-150AT
	60	1120	6.0	13	225AF-150AT
30	50/60	1480	6.4	13	225AF-225AT
	60	1440	6.9	11	225AF-225AT

About characteristic values

※Characteristic values are design values and are not guaranteed.

※The characteristic value of 50/60Hz is the characteristic value of 50Hz.

※The breaker recommended for primary side is based on the characteristics of our recommended products, General-purpose NF-S class manufactured by Mitsubishi Electric Corporation.

Special product



With outdoor case (IP34)

● Outdoor specifications (outdoor case storage) are also available. (Please contact our sales offices for details.)