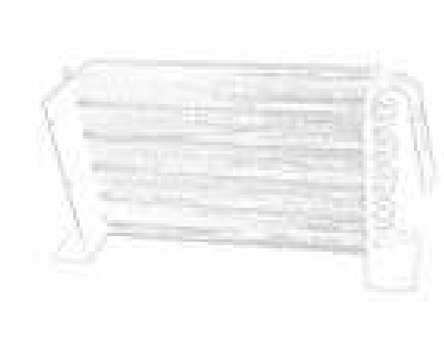


NINGBO DOMI REFRIGERATION CO., LTD.

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Website: www.domihvac.com
Phone: +86 18741830134
Address:Room 6-5-2 No. 999 Yangfan Road, Yinzhou District, Ningbo, Zhejiang, China







CONDENSER
EVAPORATOR
MOTOR

DOMI



DOMI



COMPANY PROFILE

Domicool Committed to the Condenser, Evaporator and Motor produce for over 10 years, Domicool has become a reputable global company supplying high quality Condenser, Evaporator and Motor and refrigerator and water cooler spare parts, serving customers in more than 90 countries. Our Condenser brand Domicool are widely recognized by valued customers all around the world. Domicool owns varies series of production lines moulds and patents provides complete refrigerator spare parts range and professional one-stop solution. Most products are approved by CE, RoHS and UL.

We keep innovating and improving the technology to ensure each product meets industry's top standard and exceed consumer's expectation.


CERTIFICATE OF COMPLIANCE

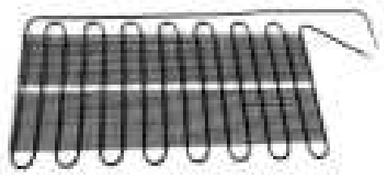

Certificate of Compliance


DCI
QUALITY MANAGEMENT SYSTEM CERTIFICATE

Wire Tube Condenser (single layer)

Raw material

1) Rolling welded steel tube: ¢ 4.76~ ¢ 8x0.71
2)Iow carbon steel wire ¢ 1.2~ ¢ 1.6mm
3) Bracket: Steel plate(SPCC) thickness: T=0.6~2.0mm
4) Steel plate: SPCC thickness T=0.6~0.8mm



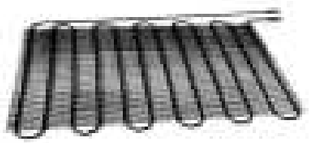
001

Structure

1)Flat type of wire on tube condenser used at the back
2)Bended or spiral type of wire on tube condenser used at the bottom Wrapped type of tube embed on plate

Key process

Tube Bending, Welding, Fix the bracket, Weld the suction tube,(Folding or bending to shape), Leakage test, Cleaning, Coating,Inspection, Packing



002

Technical Standards

Wire pitch: ⩾ 5mm, We can produce according to the drawing or sample supplied by clients, also can help the clients design and produce different condenser used in refrigerator and freezer



003

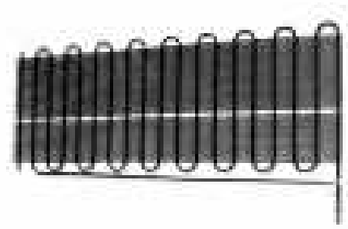
Performance

1) Surface with electrophoresis coating to prevent the corrosion
2)Inner cleanness can meet the requirements of R134a & CFC cooling system
3)Can satisty the cooling capability requirements

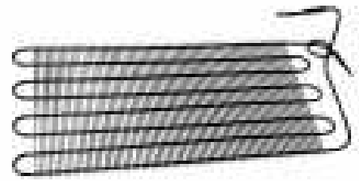
Technical standards

R134a Cooling system Tube Inside standards	Specification of E-coating
Residual moisture ⩽ 5mg/100cm^3 Residual impurity ⩽ 10mg/100cm^3 Residual mineral oil ⩽ 100mg/100cm^3 Residual chlorine ⩽ 5vloppm Residual paraffin ⩽ 3mg/m^2 Biggest single impurity ⩽ 0.5mm	Coating thickness Thickness of cathodic electrophoresis coating 15~20μm Hardness of coating: ⩾ 2H Impact of coating: 50cmg. kg/cm impact, no crack Adhesion of coating: ⩾ two grade Flexibility of coating Around: R=3D bend 180° , no crack or no fall off Corrosion resistant(Salt spray GB2423): Cathodic electrophoresis coatimg ⩾ 72h

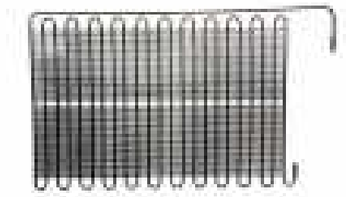
Wire Tube Condenser(single layer)



004



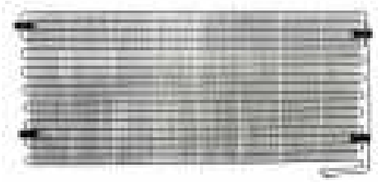
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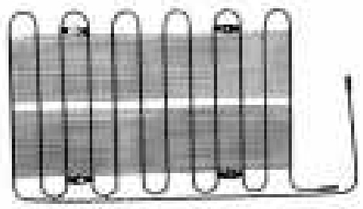
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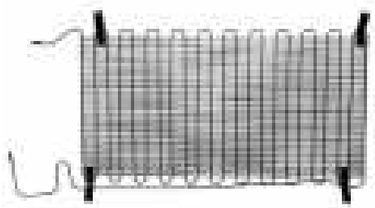
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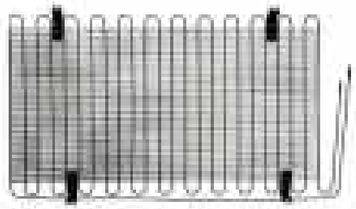
008



009



010



011

Wire Tube Condenser (Multilayer)

Raw material

1)Rolling welded steel tube: ¢ 4.76~¢ 8x0.71
2)Iow carbon steel wire ¢ 1.2~ ¢ 1.6mm
3)Bracket: Steel plate(SPCC) thickness: T=0.6~2.0mm
4)Steel plate: SPCC thickness T=0.6~0.8mm

Structure

1)Multilayer folding
2)Multi-layer reel type
3)Multi-layer welding assembled

Key process

Tube Bending, Welding, Fix the bracket, Weld the suction tube,(Folding or bending to shape), Leakage test, Cleaning, Coating,Inspection, Packing

Technical Standards

Wire pitch: ⩾ 5mm, We can produce according to the drawing or sample supplied by clients, also can help the clients design and produce different condenser used in refrigerator and freezer

Performance

1)Surface with electrophoresis coating to prevent corrosion
2)Inner cleanness can meet the requirements of R134a & CFC cooling system
3)Can satisty the cooling capability requirements

Technical standards

R134a Cooling system Tube Inside standards	Specification of E-coating
Residual moisture ⩽ 5mg/100cm^3 Residual impurity ⩽ 10mg/100cm^3 Residual mineral oil ⩽ 100mg/100cm^3 Residual chlorine ⩽ 5vloppm Residual paraffin ⩽ 3mg/m^2 Biggest single impurity ⩽ 0.5mm	Ckating thickness Thickness of cathodic electrophoresis coating 15~20μm Hardness of coating: ⩾ 2H Impact of coating: 50cmg. kg/cm impact, no crack Adhesion of coating: ⩾ two grade Flexibility of coating Around: R=3D bend 180° , no crack or no fall off Corrosion resistant(Salt spray GB2423): Cathodic electrophoresis coatimg ⩾ 72h



012



013

Wire Tube Condenser (Multilayer)



014



015



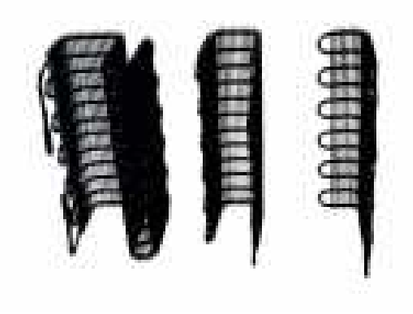
016



017

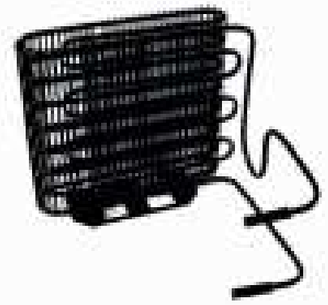


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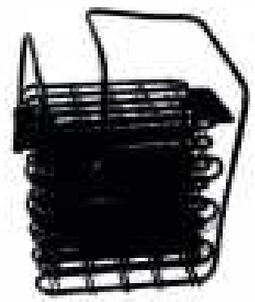


019

Wire Tube Condenser (Multilayer)



020



021



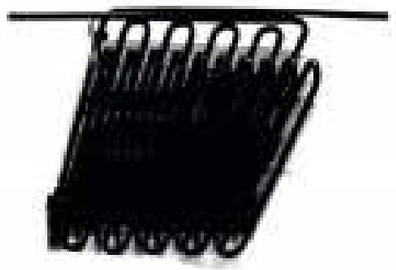
022



023



024



025

Wire Tube Condenser (Multilayer)



026



027



028



029



030



031

Tube On Plate Condenser

Raw material

1)Rolling welded steel tube: ¢ 4.76~¢ 8x0.71
2)Steel plate: SPCC thickness T=0.28~0.40mm
3)Bracket: Steel plate(SPCC) thickness: T=0.6~2.0mm



Structure

1)The type of floding drum
2)Welding Assembled type

032

Key process

Tube Bending, fin punching, Plate tube welding, Folding or bending to shape,
Fix the bracket, Welding and assembling, Leakage test, Cleaning, Coating, Inspection,Packing

Technical Standards

We can produce according to the drawing or sample supplied by clients,also can help the clients design and produce different condenser used in refrigerator and freezer

Performance

1)Surface with electrophoresis coating to prevent corrosion
2)Inner cleanness can meet the requirements of R134a & CFC cooling system
3)Can satisty the cooling capability requirements

Technical standards

R134a Cooling system Tube Inside standards	Specification of E-coating
Residual moisture ⩽ 5mg/100cm^3 Residual impurity ⩽ 10mg/100cm^3 Residual mineral oil ⩽ 100mg/100cm^3 Residual chlorine ⩽ 5vloppm Residual paraffin ⩽ 3mg/m^2 Biggest single impurity ⩽ 0.5mm	Ckating thickness 1)Thickness of cathodic electrophoresis coating 15~20μm 2)Powder coating thick plate and tube comdenser: 60~300μm Hardness of coating: ⩾ 2H Impact of coating: 50cmg. kg/cm impact, no crack Adhesion of coating: ⩾ two grade Flexibility of coating Around: R=3D bend 180° , no crack or no fall off Color tolerance of powder painting: ▵E ⩽ 1.5 Corrosion resistant(Salt spray Gb2423): 1)Cathodic electrophoresis coatimg ⩾ 72h 2)Powder paining ⩾ 200h

Tube On Plate Condenser



033



034



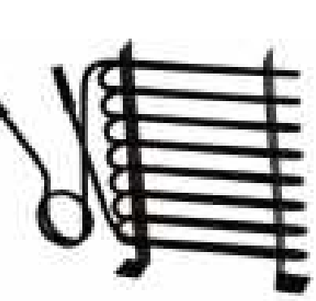
035



036



037



038

Window Blind Condenser of Tube on Plate Condenser

Raw material

1)Rolling welded steel tube: ¢ 4.76~¢ 8x0.71
2)Steel plate: SPCC thickness T=0.28~0.40mm
3)Bracket: Steel plate(SPCC) thickness: T=0.3~0.6mm

Structure

1)The type of floding drum
2)Flat type of wire on tube condenser used at the back

Key process

Tube Bending, fin punching,window blind welding, Folding or bending to shape, Fix the bracket,Welding and assemtling, Leakage test,Cleaning, Coating, Inspection, Packing

Technical Standards

We can produce according to the drawing or sample supplied by clients,also can help the clients design and produce different condenser used in refrigerator and freezer

Performance

1)Surface with electrophoresis coating to prevent corrosion
2)Inner cleanness can meet the requirements of R134a & CFC cooling system
3)Can satisty the cooling capability requirements

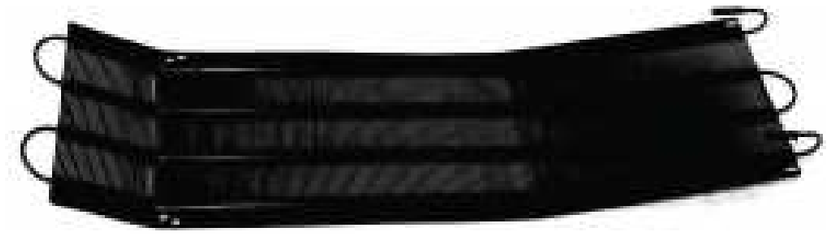
Technical standards

R134a Cooling system Tube Inside standards	Specification of E-coating
Residual moisture ⩽ 5mg/100cm^3 Residual impurity ⩽ 10mg/100cm^3 Residual mineral oil ⩽ 100mg/100cm^3 Residual chlorine ⩽ 5vloppm Residual paraffin ⩽ 3mg/m^2 Biggest single impurity ⩽ 0.5mm	Ckating thickness Thickness of cathodic electrophoresis coating 15~20μm Hardness of coating: ⩾ 2H Impact of coating: 50cmg. kg/cm impact, no crack Adhesion of coating: ⩾ two grade Flexibility of coating Around: R=3D bend 180° , no crack or no fall off Corrosion resistant(Salt spray GB2423): Cathodic electrophoresis coatimg ⩾ 72h

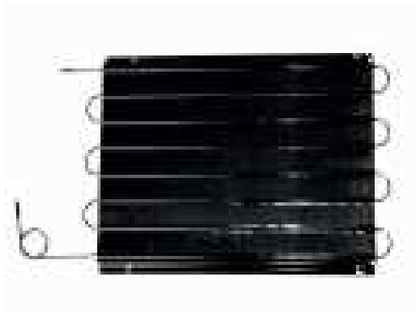


039

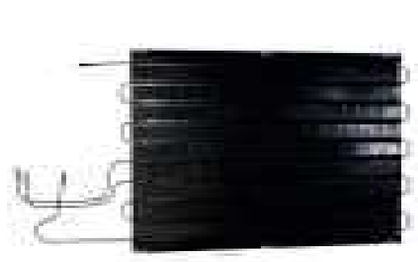
Window Blind Condenser of Tube on Plate Condenser



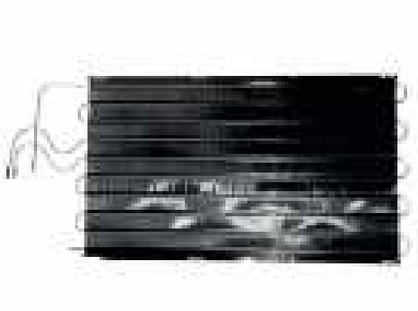
040



041



042



043



044

Fin Type Evaporator (Aluminum Tube)

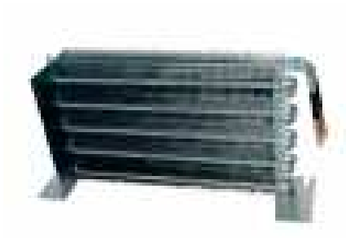
Technical Parameters	
Raw material	1)Al tube: ¢ 8.0×0.7~1mm
	2)Al fin: Bare Al fin thickneww T=0.15~0.25mm
	3)Side plate: Al plate T=0.8~1.5mm
Application	refrigerator and freezer
Key process	Tube Bending, fin punching,Tube expanding, Degreaesing, Welding and assembling, Leakage test, Drying, Inspection, Packing
Technical Standards	1)Diagonal-inserting style: 50x19.05×N ; 60×19.05×N(N ⩾ 4)
	2)Pull-expanding style: 60x28; 52x28
	3)Press-expanding style: 50.8x203.2
	Can design and produce according to drawing,samples and requirements from clients
Performance	Can satisfy all capability requirements for refrigerator



045



046



047

Cooling System Tube Inside Standards

Inner Volume(cm^3)	⩽ 100cm^3	101~200	101~400	401~800
Residual Moisture(mg)	⩽ 10	⩽ 20	⩽ 25	⩽ 30
Residual Impurity(mg)	⩽ 100mg/100cm^3			
Biggest single impurity	⩽ 2mg			

Fin Type Evaporator(Aluminum Tube)



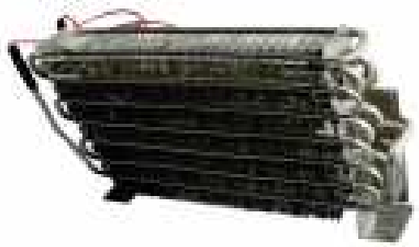
048



049



050



051



052

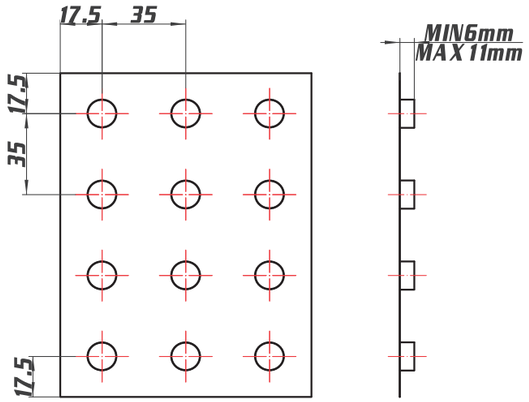


053

Copper tube Condenser

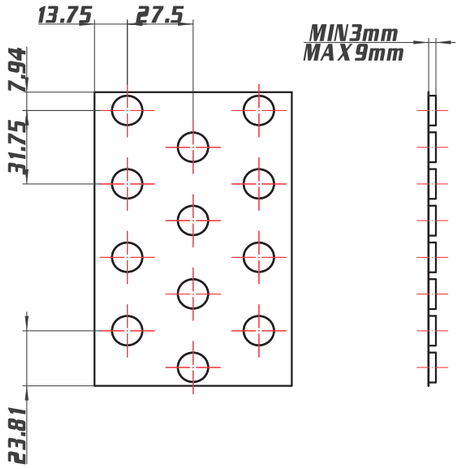
Ø 12*35*35

FLAT+WAVE (CORRUGATED)



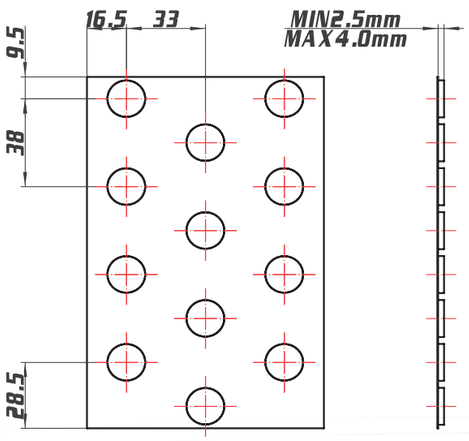
Ø 12.7*31.75*27.5

FLAT+WAVE (CORRUGATED)



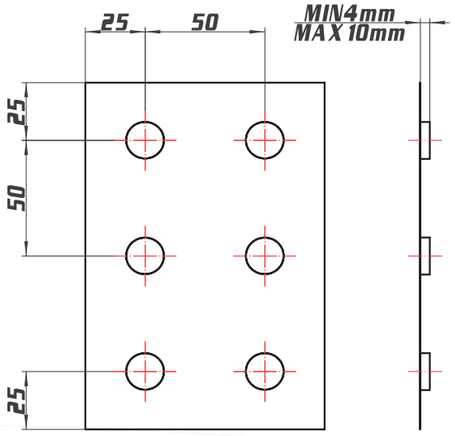
Ø 15.88*38*33

FLAT+WAVE (CORRUGATED)



Ø 15.88*50*50

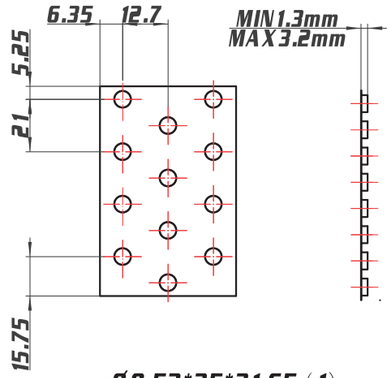
FLAT+WAVE (CORRUGATED)



ALL DIMENSIONS MARKING IN Millimeter.

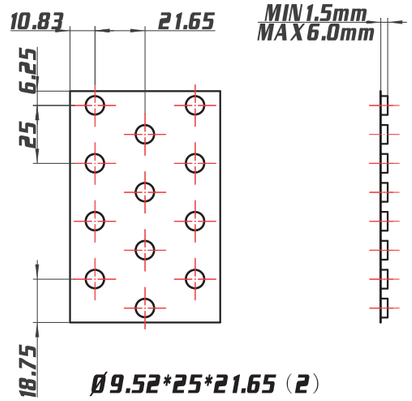
Ø 7.0*21*12.7

FLAT (LOUVER)



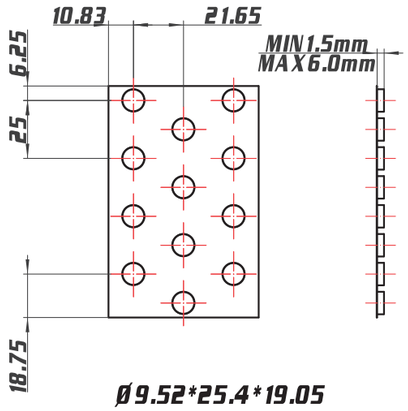
Ø 7.94*25*21.65

FLAT+WAVE (FLAT)



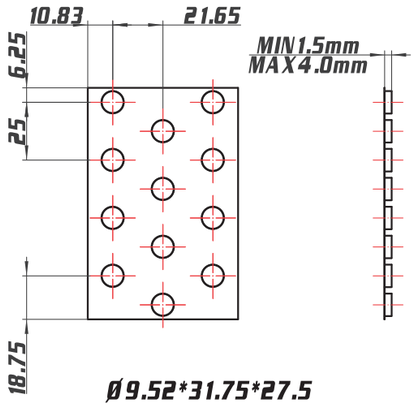
Ø 9.52*25*21.65 (1)

FLAT+WAVE (CORRUGATED)



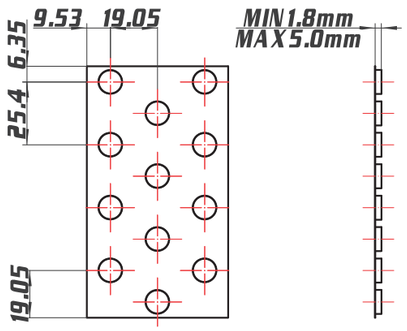
Ø 9.52*25*21.65 (2)

FLAT (LOUVER)



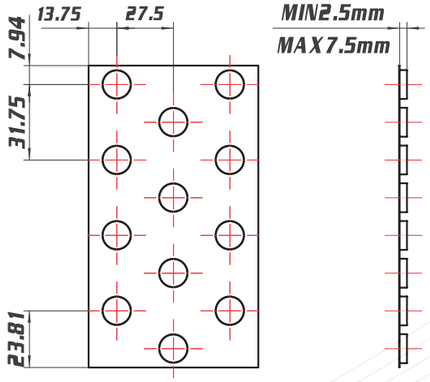
Ø 9.52*25.4*19.05

FLAT (LOUVER)



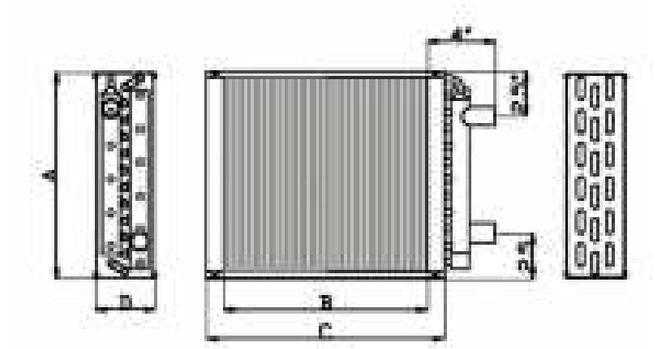
Ø 9.52*31.75*27.5

FLAT+WAVE (CORRUGATED)



Heat Exchanger





Heat Exchanger

Heat Exhanger	Capacity	Dimensions/inch			
Part NO.	BTU/H	A	B	C	D
SIZE:12X12	60000	12	12	14	3.5
SIZE:12X18	70000	12	18	20	3.5
SIZE:15X15	75000	15	15	17	3.5
SIZE:16X16	80000	16	16	18	3.5
SIZE:16X18	100000	16	18	20	3.5
SIZE:17X22	145000	17	22	24	3.5
SIZE:18X18	120000	18	18	20	3.5
SIZE:18X20	140000	18	20	22	3.5
SIZE:19X20	150000	19	20	22	3.5
SIZE:20X20	160000	20	20	22	3.5
SIZE:20X25	190000	20	21	23	3.5
SIZE:21X21	165000	21	25	27	3.5
SIZE:22X22	190000	22	22	24	3.5
SIZE:22X25	200000	22	25	27	3.5
SIZE:24X24	200000	24	24	26	3.5
SIZE:30X30	285000	30	30	32	3.5

	Mate rial	Standard Size	Rating
Coils	Copper	3/8″	175psig/350F
Plate Fin	Aiuminium	12 FPI	Louvered
Core Housing	Gal.Steel	3 ROWS	20ga
Manifoid	Copper	1″ 1	1/8″ OD
Connections	Copper	1″ ID	Solder

Copper Air-Cooled Conderson









MODEL	CAPACITY KW	AREA ㎡	FAN				CONNECTDIA(MM)		OVERALL(MM)	INSTALLSIZE	
			INPUT(W)	DIA(MM)	VOLTAGE(V)	AIR(m^3/H)	INLET	OUTLET	A*B*C	D(MM)	E(MM)
CD-2	0.6	2	1*35	200	410	220	ϕ10	ϕ10	320*100*230	270	65
CD-3.4	1	3.4	1*35	200	410	220	ϕ12	ϕ12	320*100*230	270	65
CD-4.4	1.3	4.4	1*60	250	750	220	ϕ12	ϕ12	370*100*280	325	65
CD-5.4	1.6	5.4	1*75	300	1350	220	ϕ12	ϕ12	440*100*330	392	65
CD-7	2	7	1*90	300	1350	220	ϕ12	ϕ12	440*135*330	390	90
CD-8.4	2.3	8.4	1*150	350	3100	380	ϕ16	ϕ12	500*130*430	455	95
CD-11.5	3.5	11.5	1*150	350	3100	380	ϕ16	ϕ12	480*180*430	430	145
CD-15	4.4	15	1*150	350	3100	380	ϕ16	ϕ12	550*180*480	490	145
CD-18	5.2	18	1*180	400	4500	380	ϕ19	ϕ16	590*180*530	530	140
CD-22	6.4	22	1*180	400	4500	380	ϕ19	ϕ16	590*180*530	530	140
CD-25	8.1	25	1*180	400	4500	380	ϕ19	ϕ16	750*180*680	660	150
CD-21	6.1	21	2*90	300	2700	220	ϕ16	ϕ12	840*180*430	790	140
CD-28	8.2	28	2*150	350	6200	380	ϕ19	ϕ16	900*180*430	840	145
CD-33	11.2	33	2*150	350	6200	380	ϕ19	ϕ16	900*200*480	840	130
CD-36	12.6	36	2*180	400	9000	380	ϕ16	ϕ12	1015*180*580	950	150
CD-43	14.8	43	2*180	400	9000	380	ϕ16	ϕ12	1015*180*680	950	150
CD-48	17.5	48	2*180	400	9000	380	ϕ16	ϕ12	1250*200*630	1172	120
CD-55	19.2	55	2*180	400	9000	380	ϕ22	ϕ12	1250*200*730	1172	140
CD-70	20.5	70	4*150	350	12400	380	ϕ22	ϕ16	1250*200*830	1172	120
CD-80	24.4	80	4*150	350	12400	380	ϕ28	ϕ16	1250*200*930	1172	120
CD-100	29.6	100	4*180	400	18000	380	ϕ28	ϕ16	1250*200*1130	1172	120
CD-130	38.2	130	4*180	400	18000	380	ϕ28	ϕ22	1250*200*1330	1172	120
CD-150	47.2	150	4*180	400	18000	380	ϕ28	ϕ22	1250*200*1330	1240	200
CD-180	54	180	4*180	400	18000	380	ϕ28	ϕ22	1250*270*1330	1240	200

Evaporator





DRAWING NO.	DIMENSIONS (MM)							
	LA	LB	LC	D	DF	DI	DG	H
EFN-1/4HPD	260	240	220	90	210	3/8	3/8	240
EFN-3/8HPD	320	290	270	90	210	3/8	3/8	270
EFN-1/2HPD	320	290	270	100	260	3/8	3/8	270
EFN-3/4HPD	350	320	300	140	260	3/8	3/8	290
EFN-1HPD	420	390	370	140	310	3/8	3/8	320
EFN-1.5HPD	485	455	435	140	310	3/8	3/8	370
EFN-1.5HPD-2	660	640	610	140	2×260	1/2	1/2	270
EFN-2.5HPD-2	690	660	640	160	2×310	1/2	1/2	320

ITEM NO.	L(MM)	H(MM)	W(MM)	TUBE DIA
EFN-2R4P600A	600	190.5	82.5	12.7MM
EFN-2R4P800A	800	190.5	82.5	12.7MM
EFN-2R4P1000A	1000	190.5	82.5	12.7MM
EFN-2R4P1200A	1200	190.5	82.5	12.7MM
EFN-2R4P1400A	1400	190.5	82.5	12.7MM
EFN-2R4P1500A	1500	190.5	82.5	12.7MM
EFN-2R4P1700A	1700	190.5	82.5	12.7MM
EFN-2R4P2000A	2000	190.5	82.5	12.7MM
EFN-2R4P2200A	2200	190.5	82.5	12.7MM
EFN-2R4P2500A	2500	190.5	82.5	12.7MM
EFN-2R4P600B	600	140	70	12MM
EFN-2R4P800B	800	140	70	12MM
EFN-2R4P1000B	1000	140	70	12MM
EFN-2R4P1200B	1200	140	70	12MM
EFN-2R4P1400B	1400	140	70	12MM
EFN-2R4P1500B	1500	140	70	12MM
EFN-2R4P1700B	1700	140	70	12MM
EFN-2R4P2000B	2000	140	70	12MM
EFN-2R4P2200B	2200	140	70	12MM
EFN-2R4P2500B	2500	140	70	12MM

YZF SERIES MOTOR

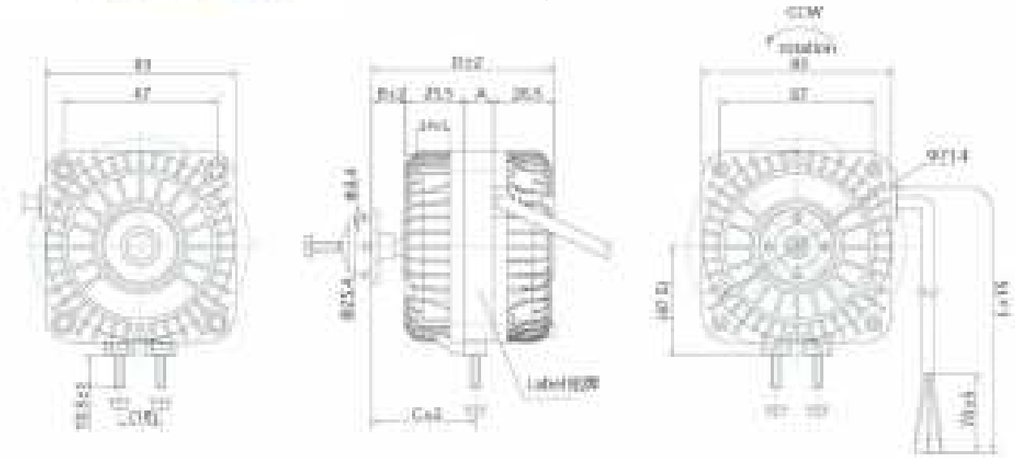


Product description

1. This series motor has advantages, such as safety, reliability, low noise, little vibration, excellent starting performance, and long service life.
2. This series motor is applicable to refrigerators, freezers, wine cabinets, fresh-keeping cabinets, radiators, evaporators, and other refrigeration equipment.
3. This series motor's outgoing line specification and dimension “L" may be produced according to the user requirements.

Instructions for Use

Operating mode: : S1
Insulation grade: : Class E
Protection Class: : IP41
Environmental Temperature: : -30°C ~+50°C



Motor performance parameter table

Model	Rated voltage V	Rated frequency Hz	Input power W	Rated power W	Rated current A	Rated speed r/min	Air volume m³/h	Fan blade mm	Net weight kg	Size A mm	Size B mm	Size C mm	Size D mm	License
YZF48N-25W YZF48N-35W	220-240	50/60	25	3.5	0.145	1300	260	ϕ170	0.8	13	15	45	80	CCC,CE
	220-240	50/60	35	5	0.17	1300	450	ϕ200	0.8	13	15	45	80	CCC,CE
	110-120	60	35	5	0.4	1450	450	ϕ200	0.8	13	15	45	80	
YZF48N-40W	220-240	50/60	40	10	0.26	1300	650	ϕ230	1.0	19	16	46	87	CCC,CE
	110-120	60	40	10	0.53	1450	650	ϕ230	1.0	19	16	46	87	
YZF48N-60W	220-240	50/60	60	16	0.37	1300	900	ϕ250	1.3	25	16	46	93	CCC,CE
	110-120	60	60	16	0.65	1450	900	ϕ250	1.3	25	16	46	93	
YZF48N-75W	220-240	50/60	75	20	0.57	1300	1000	ϕ254	1.6	30	15	45	97	CCC,CE
	110-120	60	75	20	1.1	1450	1000	ϕ254	1.6	30	15	45	97	
YZF48N-90W	220-240	50/60	90	25	0.6	1300	1100	ϕ300	1.9	40	14	44	106	CCC,CE
	110-120	60	90	25	1.4	1450	1100	ϕ300	1.9	40	14	44	106	
YZF48N-110W	220-240	50/60	110	34	0.85	1300	1100	ϕ300	2.2	45	14	44	112	CCC,CE
	110-120	60	110	34	1.5	1450	1100	ϕ300	2.2	45	14	44	112	

YZF SERIES MOTOR

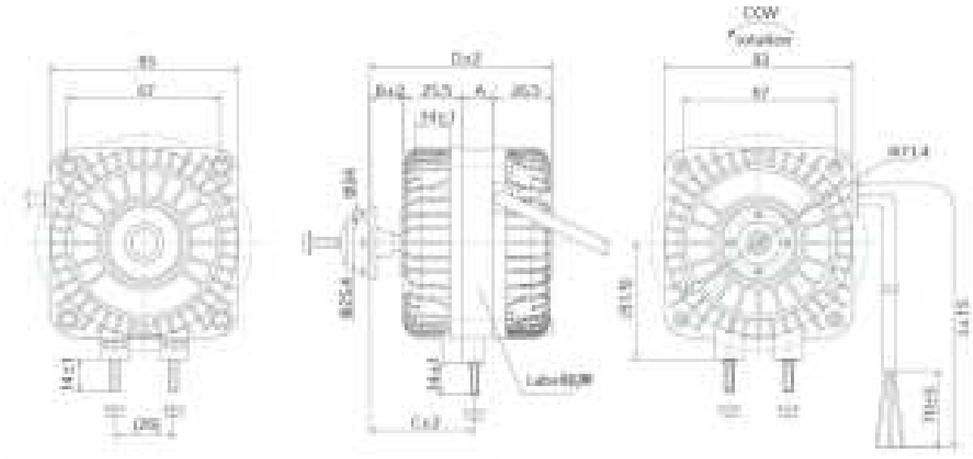


Product description

1.This series motor has advantages,such as safety,reliability,low noise,little vibration,excellent starting performance,and long service life.
2.This series motor is applicable to refrigerators,freezers,wine cabinets, fresh-keeping cabinets,radiators,evaporators,and other refrigeration equipment.
3.This series motor's outgoing line specification and dimension "L"may be produced according to the user requirements.

Instructions for Use

Operating mode:S1
Insulation grade::Class E
Protection Class:IP41
Environmental Temperature:-30°C ~+50°C



Motor performance parameter table

Model	Rated voltage V	Rated frequency Hz	Input power W	Rated power W	Rated current A	Rated speed r/min	Air volume m³/h	Fan blade mm	Net weight kg	Size A mm	Size B mm	Size C mm	Size D mm	License
YZF48N-25W YZF48N-35W	220-240	50/60	25	3.5	0.15	1300	260	ϕ170	0.8	13	15	45	80	CCC,CE
	220-240	50/60	35	5	0.17	1300	450	ϕ200	0.8	13	15	45	80	CCC,CE
	110-120	60	35	5	0.4	1450	450	ϕ200	0.8	13	15	45	80	
YZF48N-40W	220-240	50/60	40	10	0.25	1300	650	ϕ230	1.0	19	16	46	87	CCC,CE
	110-120	60	40	10	0.53	1450	650	ϕ230	1.0	19	16	46	87	
YZF48N-60W	220-240	50/60	60	16	0.37	1300	900	ϕ250	1.3	25	16	46	93	CCC,CE
	110-120	60	60	16	0.65	1450	900	ϕ250	1.3	25	16	46	93	
YZF48N-75W	220-240	50/60	75	20	0.5	1300	1000	ϕ254	1.6	30	15	45	97	CCC,CE
	110-120	60	75	20	1.1	1450	1000	ϕ254	1.6	30	15	45	97	
YZF48N-90W	220-240	50/60	90	25	0.7	1300	1100	ϕ300	1.9	40	14	44	106	CCC,CE
	110-120	60	90	25	1.4	1450	1100	ϕ300	1.9	40	14	44	106	
YZF48N-110W	220-240	50/60	110	34	0.85	1300	1100	ϕ300	1.9	45	14	44	115	CCC,CE
	110-120	60	110	34	1.5	1450	1100	ϕ300	1.9	45	14	44	115	

YZF SERIES MOTOR

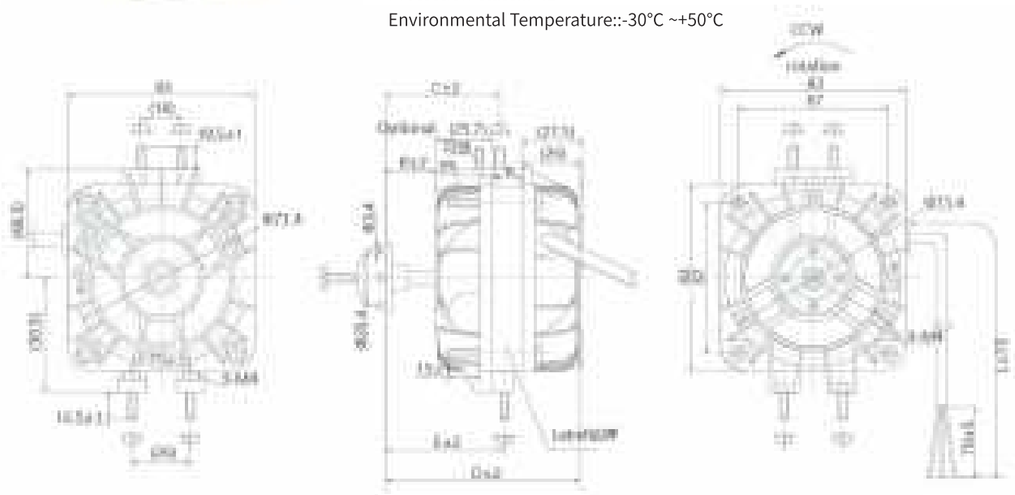


Product description

1.This series motor has advantages,such as safety,reliability,low noise,little vibration,excellent starting performance,and long service life.
2.This series motor is applicable to refrigerators,freezers,wine cabinets,fresh-keeping cabinets,radiators,evaporators,and other refrigeration equip-ment.
3.This series motor's outgoing line specification and dimension "L"may be produced according to the user requirements.

Instructions for Use

Operating mode:S1
Insulation grade::Class E
Protection Class:IP41
Environmental Temperature::-30°C ~+50°C



Motor performance parameter table

Model	Rated voltage V	Rated frequency Hz	Input power W	Rated power W	Rated current A	Rated speed r/min	Air volume m^3/h	Fan blade mm	Net weight kg	Size A mm	Size B mm	Size C mm	Size D mm	Size E mm	License
YZF48N-25W YZF48N-35W	220-240	50/60	25	3.5	0.145	1300	260	ϕ170	0.8	13	15	43	79	46	CCC,CE
	220-240	50/60	35	5	0.17	1300	450	ϕ200	0.8	13	15	43	79	46	CCC,CE
	110-120	60	35	5	0.4	1550	450	ϕ200	0.8	13	15	43	79	46	
YZF48N-40W	220-240	50/60	40	10	0.26	1300	650	ϕ230	1.0	19	16	51	87	47	CCC,CE
	110-120	60	40	10	0.53	1550	650	ϕ230	1.0	19	16	51	87	47	
YZF48N-60W	220-240	50/60	60	16	0.37	1300	900	ϕ250	1.3	25	16	57	93	47	CCC,CE
	110-120	60	60	16	0.65	1550	900	ϕ250	1.3	25	16	57	93	47	
YZF48N-75W	220-240	50/60	75	20	0.57	1300	1000	ϕ254	1.6	30	15	61	97	46	CCC,CE
	110-120	60	75	20	1.1	1550	1000	ϕ254	1.6	30	15	61	97	46	
YZF48N-90W	220-240	50/60	90	25	0.6	1300	1100	ϕ300	1.9	40	14	70	106	45	CCC,CE
	110-120	60	90	25	1.4	1550	1100	ϕ300	1.9	40	14	70	106	45	
YZF48N-110W	220-240	50/60	110	34	0.85	1300	1100	ϕ300	2.2	45	14	70	112	45	CCC,CE
	110-120	60	110	34	1.5	1550	1100	ϕ300	2.2	45	14	70	112	45	

YZF SERIES MOTOR (BALL BEARING MOTOR)

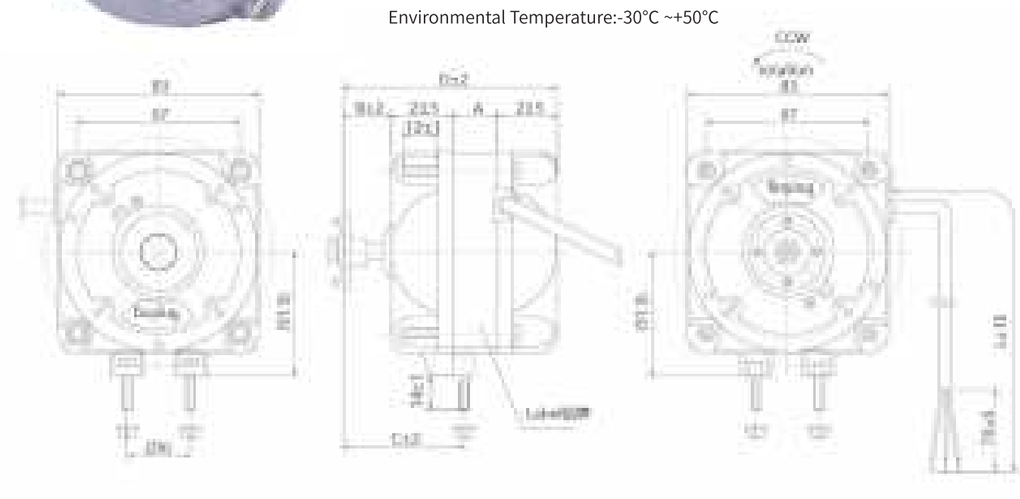


Product description

1.This series motor has advantages,such as safety,reliability,low noise,little vibration,excellent starting performance,and long service life.
2.This series motor is applicable to refrigerators,freezers,wine cabinets, fresh-keeping cabinets,radiators,evaporators,and other refrigeration equip-ment.
3.This series motor's outgoing line specification and dimension "L"may be produced according to the user requirements.

Instructions for Use

Operating mode::S1
Insulation grade::Class E
Protection Class:IP41
Environmental Temperature:-30°C ~+50°C



Motor performance parameter table

Model	Rated voltage V	Rated frequency Hz	Input power W	Rated power W	Rated current A	Rated speed r/min	Air volume m^3/h	Fan blade mm	Net weight kg	Size A mm	Size B mm	Size C mm	Size D mm	License
YZF48N-25W YZF48N-35W	220-240	50/60	25	3.5	0.145	1300	260	ϕ170	0.8	13	20	43	79	CCC,CE
	220-240	50/60	35	5	0.17	1300	450	ϕ200	0.8	13	20	43	79	CCC,CE
	110-120	60	35	5	0.4	1550	450	ϕ200	0.8	13	20	43	79	
YZF48N-40W	220-240	50/60	40	10	0.26	1300	650	ϕ230	1.0	19	20	51	87	CCC,CE
	110-120	60	40	10	0.53	1550	650	ϕ230	1.0	19	20	51	87	
YZF48N-60W	220-240	50/60	60	16	0.37	1300	900	ϕ250	1.3	25	20	57	93	CCC,CE
	110-120	60	60	16	0.65	1550	900	ϕ250	1.3	25	20	57	93	
YZF48N-75W	220-240	50/60	75	20	0.57	1300	1000	ϕ254	1.6	30	20	61	97	CCC,CE
	110-120	60	75	20	1.1	1550	1000	ϕ254	1.6	30	20	61	97	
YZF48N-90W	220-240	50/60	90	25	0.6	1300	1100	ϕ300	1.9	40	20	70	106	CCC,CE
	110-120	60	90	25	1.4	1550	1100	ϕ300	1.9	40	20	70	106	
YZF48N-110W	220-240	50/60	110	34	0.85	1300	1100	ϕ300	2.2	45	20	70	112	CCC,CE
	110-120	60	110	34	1.5	1550	1100	ϕ300	2.2	45	20	70	112	

YZF SERIES MOTOR

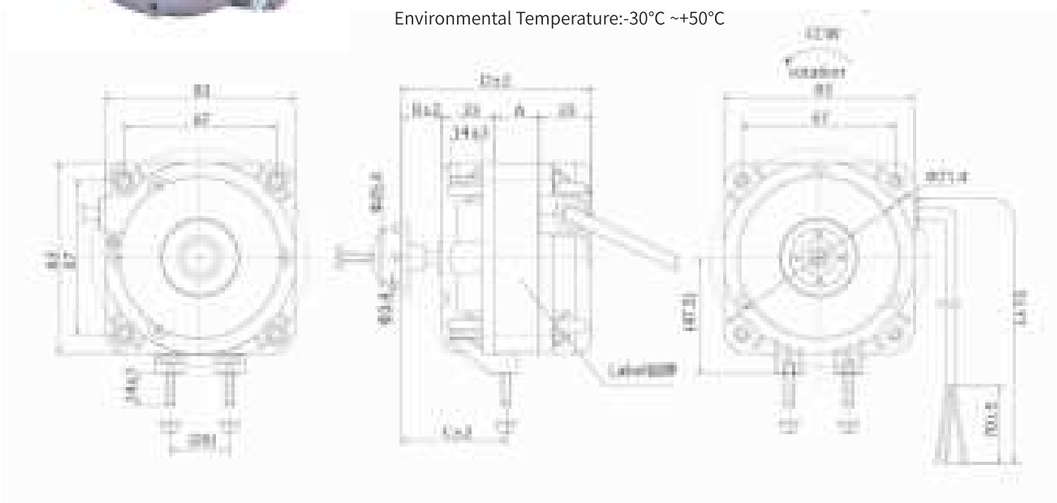


Product description

1.This series motor has advantages,such as safety,reliability,low noise,little vibration,excellent starting performance,and long service life.
2.This series motor is applicable to refrigerators,freezers,wine cabinets,fresh-keeping cabinets,radiators,evaporators,and other refrigeration equip-ment.
3.This series motor's outgoing line specification and dimension "L"may be produced according to the user requirements.

Instructions for Use

Operating mode:S1
Insulation grade:Class E
Protection Class::IP41
Environmental Temperature:-30°C ~+50°C



Motor performance parameter table

Model	Rated voltage V	Rated frequency Hz	Input power W	Rated power W	Rated current A	Rated speed r/min	Air volume m^3/h	Fan blade mm	Net weight kg	Size A mm	Size B mm	Size C mm	Size D mm	License
YZF48N-25W YZF48N-35W	220-240	50/60	25	3.5	0.145	1300	260	ϕ170	0.8	13	17	44	76	CCC,CE
	220-240	50/60	35	5	0.17	1300	450	ϕ200	0.8	13	17	44	76	CCC,CE
	110-120	60	35	5	0.4	1550	450	ϕ200	0.8	13	17	44	76	
YZF48N-40W	220-240	50/60	40	10	0.26	1300	650	ϕ230	1.0	19	18	51	83	CCC,CE
	110-120	60	40	10	0.53	1550	650	ϕ230	1.0	19	18	51	83	
YZF48N-60W	220-240	50/60	60	16	0.37	1300	900	ϕ250	1.3	25	18	57	89	CCC,CE
	110-120	60	60	16	0.65	1550	900	ϕ250	1.3	25	18	57	89	
YZF48N-75W	220-240	50/60	75	20	0.57	1300	1000	ϕ254	1.6	30	17	60	93	CCC,CE
	110-120	60	75	20	1.1	1550	1000	ϕ254	1.6	30	17	60	93	
YZF48N-90W	220-240	50/60	90	25	0.6	1300	1100	ϕ300	1.9	40	16	69	102	CCC,CE
	110-120	60	90	25	1.4	1550	1100	ϕ300	1.9	40	16	69	102	
YZF48N-110W	220-240	50/60	110	34	0.85	1300	1100	ϕ300	2.2	45	16	69	107	CCC,CE
	110-120	60	110	34	1.5	1550	1100	ϕ300	2.2	45	16	69	107	

Electronically Commutated Motor

Main features

High safety class
ECM motors adopt thermoplastic for housing and the protection level has achieved class **II**, therefore the earth conductor will be unnecessary and the cost will be reduced.

High protection class IP65
Enclosed motor design will have a better moisture-proof effect and make it possible to work in the high humidity and dust environment.

High reliability
The dual-chamber design(Patented) leads the motor can be effectively separated from electronic control area in order to avoid dust and humidity enter into the cavity of control board.





Electronically Commutated Motor

Constant speed control

Constant speed control means the motor maintains a constant speed across a wide range of voltages and fan blades, it will help the cooling system work properly and avoid the noise generated by the fluctuation of motor speed.

Reverse on start

ECM motors can run backwards automatically when start-up through pre-set of the programme. This important function can help to blow away dust from the heat exchanger of the condenser in order to make the refrigeration system more efficient. Further more, there is no extra signal control needed to achieve this function.

Reverse on demand

With this feature, you can determine the time and duration of reverse running. For example, during the compressor “off” period or the defrost cycle, you can start reverse running to blow away dust. Moreover, without needs of extra relays can save more cost.

Two speeds

ECM motors can run both in high-speed and low-speed through pre-set programme by Supplier, this function would be very useful in the refrigeration system application which has daytime and nighttime modes, thus to save more energy and reduce the noise.

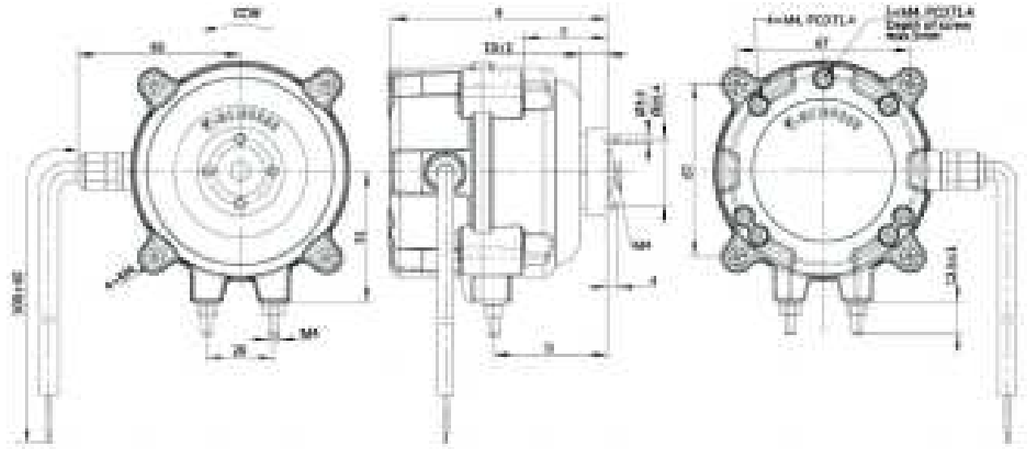
0-10Vdc full speed control

ECM 0-10V step-less speed regulation motors operators can control the 0-10Vdc to control the signal lineto process step-less speed regulation.It will intelligently control the control system and result in better energy saving effect.

Technical specifications

Nominal data		Voltage	Frequency	Speed	Output capacity	Perm.amb. temp	Dimensions		
Type	Features	V	Hz	r/min	W	℃	a	b	c
7108	Standard CW&CCW 2 Speeds	AC115 or 230	50/60	500-2300	5	-30°C -50°C	83	43.5	32.5
		AC100-240	50/60	500-2300	5	-30°C -50°C	74	43.5	32.5
7112	Standard CW&CCW 2 Speeds	AC115 or 230	50/60	500-2300	15	-30°C -50°C	87	43.5	32.5
	Vari-speed	DC24	-	500-2300	15	-30°C -50°C			
	Standard CW&CCW 2 Speeds	AC100-240	50/60	500-2300	15	-30°C -50°C	78	43.5	32.5
7120	Standard CW&CCW 2 Speeds	AC115 or 230	50/60	500-2300	22	-30°C -50°C	95	43.5	32.5
	Vari-speed	DC24	-	500-2300	20	-30°C -50°C			

Installation dimensions

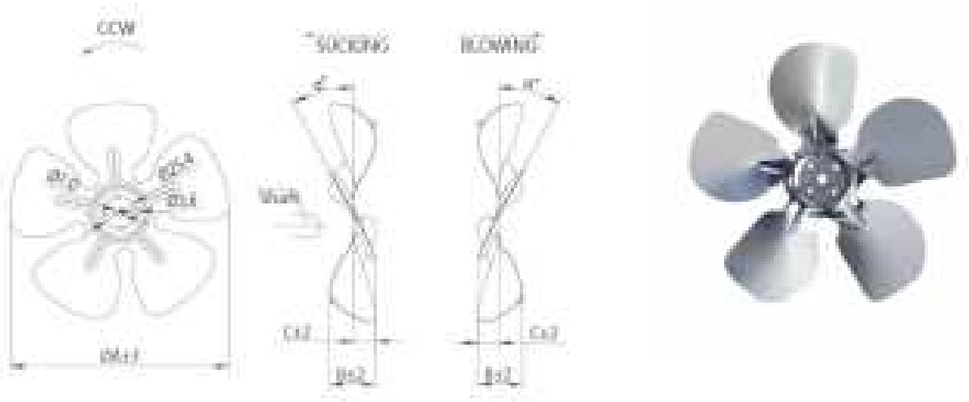


Matching motor-fan

Speed	FAN					
	154	172	200	230	254	300
Aluminium fan 1300 r/min	22°	22°	22°	22°	22°	22°
	25°	25°	25°	25°	25°	25°
	28°	28°	28°	28°	28°	
	31°	31°	31°	31°	31°	
	34°	34°	34°	34°	34°	
Aluminium fan 1450 r/min	22°	22°	22°	22°	22°	22°
	25°	25°	25°	25°	25°	
	28°	28°	28°	28°	28°	
	31°	31°	31°	31°	31°	
	34°	34°	34°	34°	34°	
Aluminium fan 1550 r/min	22°	22°	22°	22°	22°	
	25°	25°	25°	25°	25°	
	28°	28°	28°	28°	28°	
	31°	31°	31°	31°		
	34°	34°	34°	34°		
Aluminium fan 1800 r/min	22°	22°	22°	22°	22°	
	25°	25°	25°	25°		
	28°	28°	28°	28°		
	31°	31°	31°	31°		
	34°	34°	34°			

ECM7108 ECM7112 ECM7120

YZF SERIES ACCESSORIES -(ALUMINUM FAN BLADE)



Fan specification and dimension

Fan type	α° / B / C / Amm	19°		22°		25°		28°		31°		34°	
		B mm	C mm	B mm	C mm	B mm	C mm	B mm	C mm	B mm	C mm	B mm	C mm
ϕ154	152	23	12	26	13	29	15	32	17	36	18	39	21
ϕ172	170	25	13	28	14	31	16	34	17	38	18	41	21
ϕ200	196	27	14	30	15	33	17	36	19	40	21	43	24
ϕ230	228	30	15	33	16	36	19	39	21	42	20	45	23
ϕ250	244	31	15	34	16	37	19	40	20	43	21	45	22
ϕ254	252	32	15	35	16	38	18	41	21	44	22	47	23
ϕ300	296	37	18	41	21	44	22	48	24	52	26	52	27

fan model selection

FAn / Model / α°	YZF48N-25W		YZF48N-35W		YZF48N-40W		YZF48N-60W		YZF48N-75W		YZF48N-90W		YZF48N-110W	
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
ϕ154	31	31												
ϕ172	31	31												
ϕ200	28	28	31	31	31	31								
ϕ230			28	28	28	28								
ϕ250					22	22	28	28						
ϕ254							28	25	31	28				
ϕ300									22	22	25	22	28	25

YZF SERIES ACCESSORIES -(PLASTIC FAN BLADE)



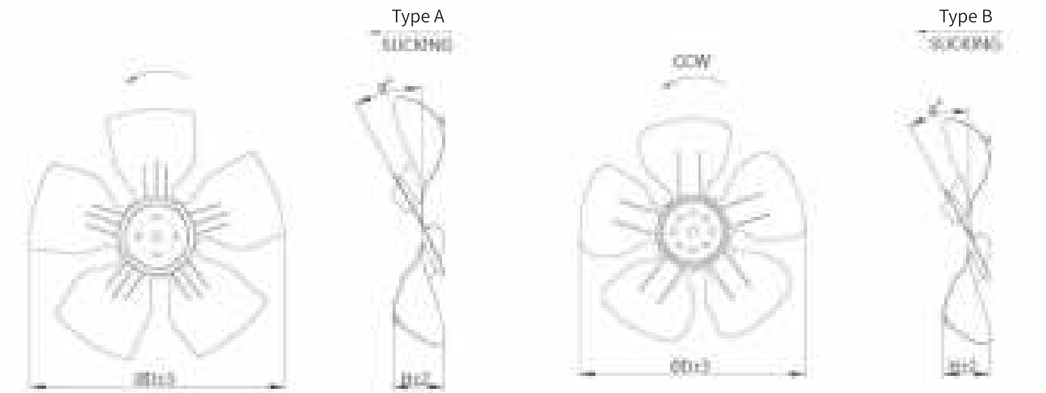
Fan Blade (Type A)

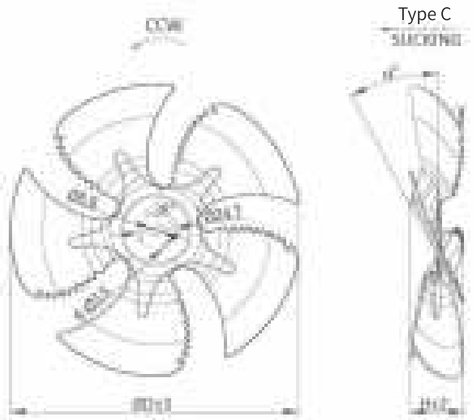


Fan Blade (Type B)



Fan Blade (Type C)

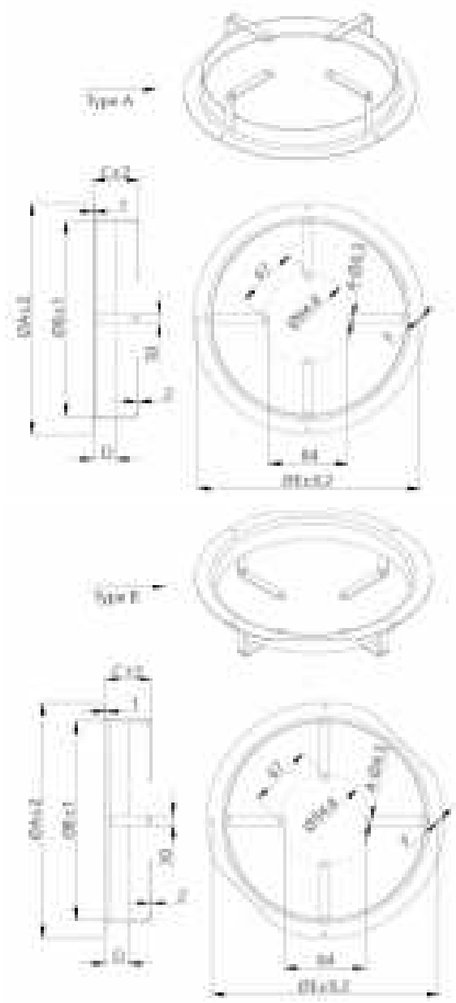




Specification size

Type Size	Type A	Type B	Type C
	ϕ170	ϕ200	ϕ200
ϕD	170mm	200mm	200mm
H	30	34	36.5
α°	28°	25°	28°
耐温	80°C	80°C	150°C

YZF SERIES ACCESSORIES -(FLANGE)



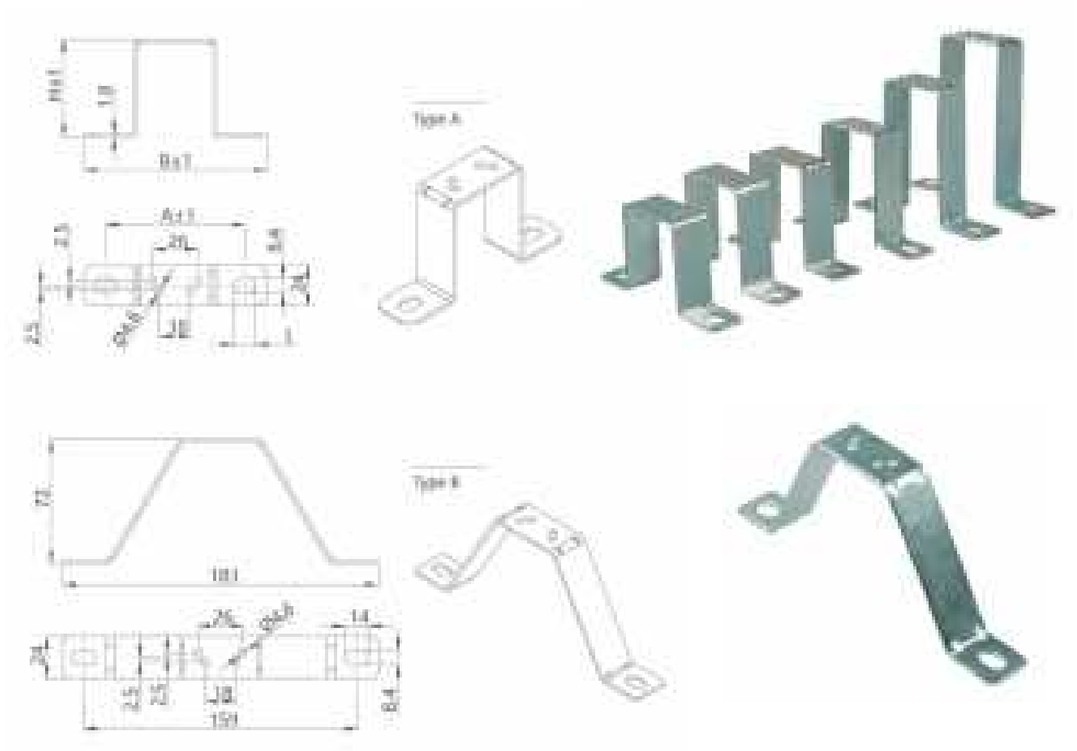




Specification size

Model	Type	ØA/mm	ØB/mm	C/mm	D/mm	ØE/mm	F/mm	
Ø154	A/B/C	200	162	49	25	190	Ø4.3 孔	M4 牙
Ø172	A/B/C	223	180	49	25	208	Ø4.3 孔	M4 牙
Ø200	A/B/C	246	208	49	25	236	Ø4.3 孔	M4 牙
Ø 230	A/B/C	278	238	49	25	266	Ø4.3 孔	M4 牙
Ø254	A/B/C	300	268	49	25	290	Ø4.3 孔	M4 牙
Ø 300	A/B/C	378	308	49	30	365	Ø4.3 孔	M4 牙

YZF SERIES ACCESSORIES -(SUPPORT)



Type A specification size

Type	H/mm	A/mm	B/mm	L/mm
H39	39	78	100	14
H55	55	81	106	13
H63	63	81	106	13
H72	72	81	106	13
H84	84	81	106	20
H92	92	81	106	14
H109-1	109	81	106	14
H109-2	109	78	100	14
H109-3	109	78	100	14

Axial Fans



MODEL	Voltage(V)	Wind rate(m3/min)	Speed(r/min)	Input power(W)	Input current(A)	Noise dB(A)
YWF-200 4D/4E/2E	220(380)	870	2750	90	0.42	66
WF-250 4D/4E/2E		1750	2400	120	0.75	68
YWF-300 4D/4E/2E		2500	2600	160	0.75	70
YWF-350 4D/4E		3110	1400	150	0.70	64
YWF-400 4D/4E		4235	1400	195	0.88	68
YWF-450 4D/4E		5180	1380	250	1.08	68
YWF-500 4D/4E		8500	1380	500	2.20	74
WF-550 4D/4E		9800	1410	550	2.60	74
YWF-600 4D/4E		11400	1380	700	1.90	75
YWF-650 4D/4E		9750	930	470	2.25	76

