

TRUSTED BRAND SINCE 1987



# PRODUCT CATALOGUE 2024

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## Premium quality spare parts for:

Domestic refrigerator

Air-conditioner

Washing machine

Heating

Vehicle aircon

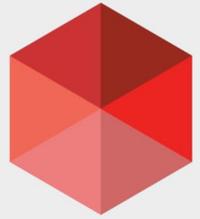
Tools and Testing Instruments



**ARUKI**<sup>®</sup>  
BRINGING HUMANITY FORWARD



# BECOME AN ARUKI® DISTRIBUTOR NOW



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# Compressor



**ARUKI**®

## R134a Compressor

Comes with mounting accessories,  
overload and relay

Code No.	Model	Disp. (cm <sup>3</sup> )	HP	Capacity (W)	Current (A)	Efficiency COP (w/w)	Voltage / Frequency
R010702	SQD43H	4.3	1/8	111	0.75	1.10	220V – 240V / 50Hz
R010703	SQD52H	5.2	1/7	130	0.93	1.10	
R010704	LQD65H	6.5	1/6	168	1.15	1.20	
R010705	LQD75H	7.5	1/5	180	1.20		
R010706	LQD91H	9.1	1/4	208	1.40		
R010708	QQD110HF	11.0	1/3	320	1.92	1.25	
R010711	QWQ160HF	15.3	1/2	430	2.10		

## R0109 - Series

**ARUKI**®

## R600a Compressor

Comes with mounting accessories,  
overload and relay



Code No.	Model	HP	Capacity (W)	Current (A)	Efficiency COP (w/w)	Voltage / Frequency
R010901	QD65Y(N)	1/9	110	0.66	1.30	220V – 240V / 50Hz
R010902	QD75Y(J)	1/8+	130	0.80		
R010903	QD85Y(J)	1/7+	145	0.85		
R010904	QD91Y(J)	1/6	155	0.87	1.25	
R010905	QD103Y(J)	1/6+	168	1.09		
R010906	QD110Y(J)	1/5	185	1.11	1.30	
R010907	QD142Y(WD)	1/4	240	1.20		

# Compressor



**ARUKI**®

## R12 Compressor

Comes with mounting accessories, overload and relay

Code No.	Model	HP	Capacity (W)	Voltage / Frequency
R010343	SCQD210	5/8	435	220V / 50Hz

## R012 - Series

**HITACHI**  
Inspire the Next

## R134a / R600a Compressor

Comes with mounting accessories, overload and relay



Code No.	Model	HP	Capacity (W)	Current (A)	Efficiency COP (w/w)	Voltage / Frequency
<b>R134a Models</b>						
R012001	FL 06S34-TAB	1/12	85	0.70	0.93	220V – 240V / 50Hz
R012002	FL 0739-SQ	1/10	114	0.72	1.20	
R012003	FL 0847-SD	1/8	130	0.83	1.19	
R012005	FL 1152-SB	1/6	143	0.82	1.27	
R012006	FL 1257-SR	1/5	160	0.90	1.25	
R012007	FL 14S62-TAD	1/5	175	0.95	1.30	
R012008	FL 1568-SQ	1/4	200	1.11	1.30	
R012009	FL 20S88-TAC	1/3	255	1.50	1.25	
R012010	FL 1888-SE	1/3	245	1.51	1.25	
<b>R600a Models</b>						
	CL 0545-SZ	1/12	62	0.70	1.12	220V – 240V / 50Hz
	CL 1297-SA	1/5	156	0.90	1.46	
	CL 1310-SA	1/5+	163	0.95	1.48	
<b>R600a Models (Inverter)</b>						
	CL 1588-DZ	1/6	134	0.83	1.62	220V – 240V / 50Hz
	CL 1610-DL	1/5	160	0.90	1.65	

# Compressor



## REFRIGERATOR COMPRESSOR

Compact, Efficient, Environmental friendly



### R600a LBP Series

220-240V/50-60Hz

Model	Displ. cm <sup>3</sup>	Motor Type	Freq	Cooling Capacity	Cooling Capacity	Input Power	COP	Start / Run Capacitor	Height
			Hz	w	kcal/h	w	w/w	uF	
HMM100A	6.0	RSCR	50	100	86	69	1.45	2.0	162
HMM125A	7.2	RSCR	50	125	108	86	1.45	2.5	162
HML160A	7.5	RSCR	50	160	138	107	1.50	3.0	161
HML200A	11.4	RSCR	50	200	172	133	1.50	4.0	164
HTH14AA	14.0	RSCR	50	235	202	168	1.40	5.0	184

### R134a LBP Series

220-240V/50-60Hz

GMM100A	3.6	RSCR	50	100	86.00	71	1.40	2.5	162
GMM125A	4.5	RSCR	50	125	108.00	89	1.40	2.5	165
GML160A	5.7	RSCR	50	162	139.00	114	1.42	4.0	161
GML200A	7.0	RSCR	50	205	176.00	139	1.48	5.0	164
GTH86AA	8.6	RSCR	50	240	206.00	163	1.47	5.0	174
GTM12AA	11.0	CSCR	50	320	275.00	241	1.33	50	184

### R134a HMBP Series

220-240V/50Hz

GL96TB	7.5	CSIR	50	760	654	335	2.27	50	184
GL90TBB	8.6	CSIR	50	870	748	387	2.25	50	184
GL10TB	9.3	CSIR	50	930	800	413	2.25	50	184
GL12TB	11.4	CSIR	50	1100	946	489	2.25	50	184

### R600a Inverter Series

220-240V/50Hz,60Hz

HMM120FSM	5.3	PMSM	43(1300rpm)	33	28	21	1.55	135.4
			53(1600rpm)	52	45	32	1.65	
			80(2400rpm)	77	66	45	1.70	
			100(3000rpm)	96	83	57	1.68	
			140(4200rpm)	125	108	78	1.60	
HMM170FSM	7.26	PMSM	43(1300rpm)	47	40	29	1.60	135.4
			53(1600rpm)	71	61	42	1.70	
			80(2400rpm)	106	91	61	1.75	
			100(3000rpm)	132	114	78	1.70	
			140(4200rpm)	175	151	106	1.65	
HMM200FSM	8.6	PMSM	43(1300rpm)	55	47	34	1.60	135.4
			53(1600rpm)	81	70	48	1.70	
			80(2400rpm)	125	108	71	1.75	
			100(3000rpm)	155	133	91	1.70	
			140(4200rpm)	203	175	123	1.65	
HMM220FSM	9.2	PMSM	43(1300rpm)	60	52	38	1.60	135.4
			53(1600rpm)	90	77	53	1.70	
			80(2400rpm)	134	115	77	1.75	
			100(3000rpm)	166	143	98	1.70	
			140(4200rpm)	225	194	136	1.65	

Also available in R290 refrigerant, 220-240V/60Hz, 100V/50-60Hz, 115V/60Hz, 115-127V/60Hz,

# Fan Motor



**R020101 (110V)**  
**R020102 (220V)**  
NA-09BA-1 & NA-09BA  
(CW/CCW, Ø3.17)



**R020103 (110V)**  
**R020104 (220V)**  
NA-14AB-1 & NA-14AB  
(CCW/CW, Ø3.17)



**R020106 (220V)**  
NA-17AB  
(CCW/CW, Ø3.17)



**R020212 (220V)**  
SD-07BA  
(CW/CCW, Ø3.17)



**R020214 (220V)**  
MH07BCF-TJA5  
(CW, Ø3.17)



**R020215 (110V)**  
FDVH07XE2C  
(CW, Ø3.17)



**R020218 (220V)**  
MH-14BA (C15ES)  
(CW, Ø3.17)



**R020301 (110V)**  
**R020302 (220V)**  
ESM-999 & ESM-998  
(CW, Ø3.17)



**R020305 (127V)**  
**R020306 (220V)**  
G15829 & Y165207  
(CW, Ø3.17)



**R020308 (220V)**  
MA-61103D-2Z  
(CW, Ø3.17)



**R020310 (220V)**  
MSP63S13/2T  
(CCW, Ø3.17) with Bracket



**R020314 (220V)**  
MSP63S15/2T-D1  
(CCW, Ø3.17) with Bracket



**R020751 (110V)**  
**R020752 (220V)**  
2J01289A&B  
(CCW, Ø4.0)



**R020801 (110V)**  
**R020802 (220V)**  
RE-01WQS2E & RE-01WTS2  
(CW, Ø4.0)



**R020803 (115V)**  
**R020804 (220V)**  
SB44ASE066A & 057 (GE-14)  
(CCW, Ø3.17)



**R020805 (115V)**  
**R020806 (220V)**  
FL2-021L5M & FL2-022LM5  
(CW, Ø4.0)

# Fan Motor



**R020810 (220V)**  
RF-01WTB  
(CW, Ø4.0)



**R020814 (220V)**  
IS-3210DWNFF2  
(CCW, Ø4.0)



**R020816 (220V)**  
IS-3210SNPSA  
(CCW, Ø3.17)



**R020820 (220V)**  
IS-3210DWNFO  
(CCW, Ø3.17)



**R020824 (220V)**  
J58-00024K  
(CCW, Ø4.0)



**R020826 (220V)**  
IS-3210ARCB  
(CCW, Ø3.17)



**R020827 (110V)**  
**R020828 (220V)**  
5KSB44AS1571 & 5KSB44AS1570  
(CCW, Ø3.17)



**R020836 (110V)**  
**R020835 (220V)**  
4680JB1026F & 4680JB1026B  
(CCW, Ø4.0)



**R020869 (110V)**  
**R020872 (220V)**  
SM-670 (SM-671) & SM-672  
(CW, Ø4.76)



**R023212/18/24/  
30/36 (220V)**  
Blower Fan  
120mm 12W/180mm 14W  
240mm 16W/300mm 20W  
360mm 25W 50/60Hz



**R024021/22/28/32  
(220V)**  
AC Axial Fan  
80x80x25 / 80x80x38 /  
120x120x38 / 172x150x50



**R020233 (110V)**  
**R020234 (220V)**  
CF-20AB-1 (60Hz) & CF-20AB  
(50/60Hz) Condenser Fan Motor  
with 5" Aluminium Blade  
(CCW/CW, Ø6.0)



**R025005/10/16/25/34  
(110V/220V)**  
Copper Coil Condenser Fan  
Motor with Blade & Bracket  
5W/ 10W/ 16W/ 25W/ 34W



**R025205/10/16/25 (220V)**  
Condenser Fan Motor with  
Blade & Bracket  
5W/10W/16W/25W  
50/60Hz



**R025805/10(220V)**  
Condenser Fan Motor with  
Blade & Bracket  
5W/10W  
50/60Hz

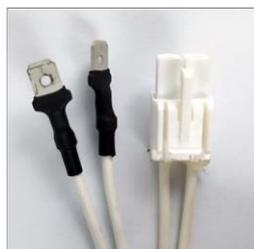


**R025 (220V)**  
Condenser Fan Motor with  
Blade & Ring Bracket  
5W/10W/16W / 25W  
50/60Hz

A COLLABORATION BETWEEN THE FINEST



PREMIUM FAN MOTOR  
**ONLY**



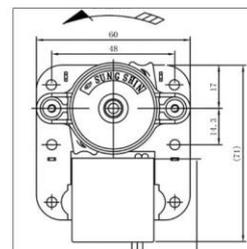
Various types of connector to choose from



High quality finishing



Engraved with SONG SHIN/ SPG logo



Reversible rotation

Available in 7mm, 9mm & 13mm,  $\phi$ 3.17/4.00mm, 110V/220V  
Customization, OEM and ODM are welcomed

**COMPATIBILITY CHART**

No.	Code	Sung Shin Fan Motor 220V, 50/60Hz	Connector	Equivalent Models			
1	R020508	IS-27208QCHY, CW, $\phi$ 3.17	Wires	SD-07BA CW	MH07BCF-TJA5 CW		
2	R020510	IS-27210QCHW, CW, $\phi$ 3.17	Wires	NA-09BA CW	MA-61103D-2Z CW	IS-3210SNPSA CCW	
3	R020514	IS-27213QCHX, CCW, $\phi$ 3.17	Wires	NA-14AB CCW	MH-14BA CW	SB44ASE057 CCW	IS-3210DWNFO CCW
4	R020516	IS-3210QCH1V (IS-3210MBV-2), CCW, $\phi$ 3.17	Socket	SB44ASE057 CCW	IS-3210DWNFO CCW		
5	R020524	IS-3210QCH1U, CCW, $\phi$ 3.17	Pins	SB44ASE057 CCW			
6	R020526	IS-3210QCH1U-1, CCW, $\phi$ 3.17	Pins	SD-07BA CW	MH07BCF-TJA5 CW	IS-3210ARCB CCW	
7	R020542	IS-27210QCH1R, CW, $\phi$ 3.17	Socket	MA-61103D-2Z CW			
8	R020544	IS-5210QCH1P, CW, $\phi$ 3.17	Socket	IS-3210SNPSA CCW	IS-3210DWNFO CCW	IS-3210RCB CCW	
9	R020610	IS-5210QCH1Q, CW, $\phi$ 4mm	Socket	RE-01WTS2 CW	RF-01WTB CW	IS-3210DWNFF2 CCW	J58-00024K CCW
10	R020612	IS-5210QCH1W, CW, $\phi$ 4mm, WIRE/PIN	Wires with pins	RE-01WTS2 CW	RF-01WTB CW	IS-3210DWNFF2 CCW	J58-00024K CCW

# Aruki *ONIX* Fan Motor



Superior performance shaded pole motor, low noise, low vibration



**R020507 (110V)**  
**R020508 (220V)**

IS-27208QCH1L &  
IS-27208QCHY  
(CW/CCW, Ø3.17)



**R020509 (110V)**  
**R020510 (220V)**

IS-27210QCH1M &  
IS-27210QCHW  
(CW/CCW, Ø3.17)



**R020513 (110V)**  
**R020514 (220V)**

IS-27213QCH1N &  
IS-27213QCHX  
(CCW/CW, Ø3.17)



**R020516 (220V)**

IS-3210QCH1V  
(CW/CCW, Ø3.17)



**R020521 (115V)**

IS-23210WPH  
(CCW/CW, Ø3.17)



**R020524 (220V)**

IS-3210QCH1U  
(CCW/CW, Ø3.17)



**R020526 (220V)**

IS-3210QCH1U-1  
(CCW/CW, Ø3.17)



**R020542 (220V)**

IS-27210QCH1R  
(CW/CCW, Ø3.17)



**R020544 (220V)**

IS-5210QCH1P  
(CW/CCW, Ø3.17)



**R020546 (230V)**

IS-5213ARFD  
(CCW/CW, Ø3.17)



**R020550 (220V)**

4680JB1035G  
(CCW/CW, Ø3.17)



**R020610 (220V)**

IS-5210QCH1Q  
(CW/CCW, Ø4.00)



**R020612 (220V)**

IS-5210QCH1W  
(CW/CCW, Ø4.00)



**IS-27213AR1P  
(220V)**

(CCW/CW, Ø3.17)



**IS-5210ARSAC  
(230V)**

(CCW/CW, Ø3.17)



**IS-5210QCH1P  
(220V)**

(CW/CCW, Ø3.17)

# DC Fan Motor



**R021100 (DC 12V)**

ZW-58 3W  
3 wires with socket  
for Samsung, LG



**R021102 (DC 13V)**

D4612AAA21 / D4612AAA05 /  
D4612AAA16 / D4612AAA22  
(CCW, Ø3.17)  
for Daewoo, Beike



**R021103/04 (DC 12V)**

XD8025 - 70MM  
XD9225 - 85MM  
Brushless Fan Motor  
for Fishel & Paykel



**R021105 (DC 9.75V)**

WR60X10185  
3.25W  
for GE, Hotpoint



**R021106 (DC 9.75V)**

WR60X10307  
3.25W with sensor  
for GE, Hotpoint



**R021107 (DC 12V)**

A-48ZWT05-1202A  
CCW, 2W, 2,200 r/min  
with 100mm fan blade  
for Hoover, Universal



**R021108 (DC 12V)**

A-48ZWT05-1204B  
CW, 4W, 1,450 r/min  
with 145mm fan blade  
for Hoover, Universal



**R021109 (DC 12V)**

ZWF-125A  
CW, 2.5W, 1,580 r/min  
for Samsung, Fridgeaire



**R021110 (DC 12V)**

DLB5985MBEA  
4wires with sensor  
CCW 4.5W  
for GE, Mabe, Whirlpool



**R021113 (DC 12V)**

EAU60694514-A  
CCW 3,000 r/min  
for LG, Kenmore



**R021114 (DC 13V)**

EAU61524007  
CCW 0.118A 1.5W  
for LG, Kenmore



**R021115 (DC 13V)**

EAU60694507  
CCW 0.250A 3.25W  
for LG, Kenmore



**R021116 (DC 12V)**

EAU63103204  
CCW 1A  
for LG, Kenmore



**R021117 (DC 13V)**

RDD056X04 / 4681JB1029J  
CCW 0.12A, 1.02W  
for LG



**R021118 (DC 13V)**

EAU61524010  
0.340A 4.4W  
for LG, Kenmore



**R021119 (DC 13.2V)**

ZWF-10-2 / B03081032  
DC 13.2V, 2W, 2,600 r/min  
for Daewoo, Hisense



**R021120 (DC 12V)**

3015920700 / DL-5985DWRA  
CCW 0.320A  
for Daewoo, Sharp



**R021121 (DC 13V)**

ZWF-30-3 / B03081070  
2.5W, 1,300 r/min  
for Samsung



**R021301/02 (DC 12V)**

DLE5985ASEA  
2.6W 3pins / wires with socket  
For Universal



**R024011 (DC 12V)**

XD9225D12HS  
0.20A 92x92x25  
For Universal

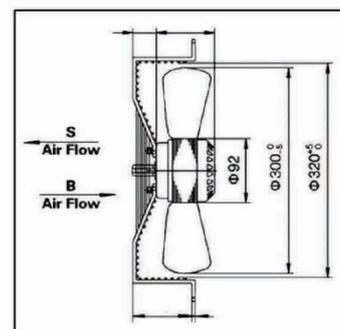
# Axial Fan Motor/ Cage Fan Motor

## ARUKI®

### G - Series (Suction Type)

High-efficiency and durable axial fan

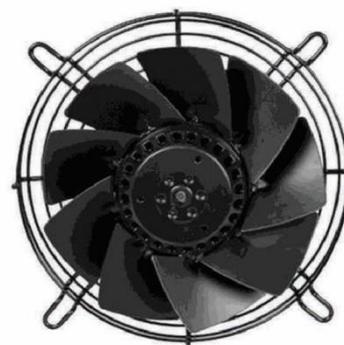
Inspected by:



G7 Blade



G5 Blade



G9 Blade

Code No.	Item Description	Current (A)	Input (W)	Fan Blades	Speed (r/min)
<b>R0261 – Series (230V/50Hz)</b>					
R026108	8" Axial Fan Motor 2E-200S-92/15-G	0.26	55	G9	2400
R026110	10" Axial Fan Motor 2E-250S-92/25-G	0.40	80		
R026112	12" Axial Fan Motor 2E-300S-92/35-G	0.66	145	G7	
R026118	10" Axial Fan Motor 4E-250S-92/25-G	0.23	50	G5	1350
R026120	12" Axial Fan Motor 4E-300S-92/35-G	0.42	85		
R026122	14" Axial Fan Motor 4E-350S-102/34-G	0.65	140		
R026124	16" Axial Fan Motor 4E-400S-102/47-G	0.90	200		
R026126	18" Axial Fan Motor 4E-450S-102/60-G	1.18	240		
R026128	20" Axial Fan Motor 4E-500S-137/35-G	2.06	420		
<b>R0264 – Series (380V ~ 440V/50Hz)</b>					
R026420	8" Axial Fan Motor 2D-200S-92/15-G	0.13	70	G9	2500
R026425	10" Axial Fan Motor 2D-250S-92/25-G	0.22	80		
R026430	12" Axial Fan Motor 2D-300S-92/35-G	0.22	140	G7	
R026432	12" Axial Fan Motor 4D-300S-92/35-G	0.12	40	G5	1400
R026435	14" Axial Fan Motor 4D-350S-102/34-G	0.28	102		
R026441	16" Axial Fan Motor 4D-400S-102/47-G	0.60	210		
R026446	18" Axial Fan Motor 4D-450S-102/60-G	0.60	230		
R026450	20" Axial Fan Motor 4D-500S-137/35-G	0.85	360		
R026460	24" Axial Fan Motor 4D-600S-137/70-G	1.60	780		
R026462	25" Axial Fan Motor 4D-630S-137/70-G	1.60	780		

# Defrost Timer

## Sankyo TMDF - Series

High reliability defrost timer for refrigerator, freezer, show-case and etc.



Code No.	Model	Voltage
R030101	TMDF702CA1	100V – 120V
R030102	TMDF702ZD1	200V – 240V
R030103	TMDF702ZA2	100V – 120V
R030104	TMDF702ZH2	200V – 240V
R030105	TMDFX04ZB1	100V – 120V
R030107	TMDF706CB1	100V – 120V
R030108	TMDF706ZD1	200V – 240V
R030110	TMDF702CD1	200V – 240V
R030112	TMDF704KD1	200V – 240V
R030114	TMDFY06ED1	200V – 240V
R030116	TMDF905ED1	200V – 240V

BY ORDER ONLY		
TMDF504KD1	TMDF706CD1	TMDFX05CE1
TMDF603AD1	TMDF706ZL1	TMDFX05ZB1
TMDF603FD2	TMDF721ZC1	TMDFX05ZH1
TMDF702AD1	TMDF90GZH1	TMDFY06EB1
TMDF704ED1	TMDFT06CD1	
TMDF704ZA1	TMDFX05CA1	
TMDF704ZD1	TMDFX05CB1	
TMDF704ZL1	TMDFX05CD1	

## Sankyo TMDJ - Series

High reliability defrost timer for refrigerator, freezer, show-case and etc.



Code No.	Model	Voltage
R030304	TMDJ704ZF1	200V-240V
R030306	TMDJ521ZC1	200V-240V
R030308	TMDJ521ZL1	200V-240V
R030309	TMDJ812ZB9	100V-120V
R030310	TMDJ812ZC1	200V-240V
R030312	TMDJ833RC1	200V-240V
R030313	TMDJ625ZQ9	100V-120V
R030314	TMDJ625ZF1	200V-240V

## Sankyo TMDE - Series

High reliability defrost timer for refrigerator, freezer, show-case and etc.

Code No.	Model	Voltage
R030503	TMDE702PA1	100V – 120V
R030504	TMDE802PJ1	200V – 240V
R030505	TMDE706SA1	100V – 120V
R030506	TMDE706SC1	200V – 240V
R030508	TMDE807KF2	200V – 240V
R030509	TMDE706PG1	100V – 120V
R030510	TMDE706PM1	200V – 240V
R030512	TMDE807TC1	200V – 240V
R030514	TMDEX09TC1	200V – 240V
R030516	TMDE520SC1	200V – 240V



\*For models that are not listed, please contact us for details. Customisation is available.\*

# Defrost Timer

## ARUKI® TMDE/F/J/K - Series

High quality OEM defrost timer with durable motor, able to customise cycle and defrost time.



TMDE - Series



TMDF - Series



TMDJ - Series



TMDK - Series

Code No.	Model	Voltage
<b>TMDE - Series</b>		
R030701	TMDE702ZA1	110V
R030702	TMDE802ZC1	240V
R030703	TMDE706ZG2	110V
R030704	TMDE807KF2	240V
R030706	TMDE706SC1	
R030708	TMDE802GC2	
R030710	TMDEX09UM1	
R030712	TMDE503ZC2	

Code No.	Model	Voltage
<b>TMDF - Series</b>		
R030751	TMDF702CA1	110V
R030752	TMDF702ZD1	240V
R030753	TMDF702ZA2	110V
R030754	TMDF702ZH2	240V
R030755	TMDF706CB1	110V
R030756	TMDF706ZD1	240V
R030757	TMDFX04AB1	110V

Code No.	Model	Voltage
<b>TMDJ - Series</b>		
R030802	TMDJ702AC1	240V
R030804	TMDJ625ZC1	240V
R030805	TMDJX35RB9	110V
R030	TMDJ833RC1	110V
R030	TMDJ521ZL1	110V
<b>TMDK - Series</b>		
R030851	TMDK706SA1	110V
R030852	TMDK706SC1	240V
R030857	TMDK1210SA1	110V

## ARUKI® Defrost Timer



Code No.	Model	Cycle/Defrost	Voltage
R030603	BF2001-00	8H/25M	110V
R030604	BF2001-21		240V
R030605	BF2001-58	6H/25M	110V
R030606	BF2001-59		240V
R030622	DBZC-625-1G2	12H/10M	240V
R030610	DBZC-1210-1G2		240V



Code No.	Model	Cycle/Defrost	Voltage
R030608	GC-3001-59	10H/30M	240V
R030616	GC-3001-21	6H/25M	



Code No.	Model	Cycle/Defrost	Voltage
R030624	DBZC-807-1G2	8H/7M	240V
R030626	A203564000C		



Code No.	Model	Cycle/Defrost	Voltage
R030611	R999-58L	8H/25M	110V
R030612	R999-59L		240V
R030613	E-1111-00	6H/21M	110V
R030614	E-1111-21		240V



Code No.	Model	Cycle/Defrost	Voltage
R030902	ADT-0624	<b>Cycle:</b> 6H, 8H, 12H, 24H  <b>Defrost:</b> 15M, 21M, 25M, 32M	90V – 240V



## Defrost Timer



Code No.	Model	Voltage
R030501	TD-20L	110V
R030502	TD-20C	240V
R03	TD-20CSA	240V



## Defrost Timer



Code No.	Model	Voltage
R030451	TMDF0804NT1	110V
R030453	TMDF0804ND1	

# Defrost Thermostat/ Bi-Metal & Thermal Fuse



**R040105**  
L50 - 25F (SL5708)



**R040107**  
L80 - 15F (SL8517)



**R040108**  
L47 - 15F (SL8528)



**R040112**  
L55 - 35F (KSD-1007)



**R040121 - 26**  
ML 45/50/55/60/65/70



**R040201**  
PST-3/N8 with socket



**R040202**  
MM1-N13  
for National, General



**R040203**  
MRKK MM2-247



**R040204**  
**R040205**  
N8 KSD303-A-7  
N13 KSD303-A



**R040206**  
MM2-N13



**R040207**  
MM2-287  
2 wires with socket  
for Toshiba



**R040401/02/03**  
TH2-8°C/13°C/18°C  
for Sanyo



**R040503**  
ST-3  
for LG, Samsung



**R040504**  
ST3-N15  
Lead wire; 350mm  
for LG, Samsung



**R040602**  
Bi-metal 13°C + Fuse 76°C  
2 wires  
for Sharp



**R040603**  
Bi-metal ST-3 + Fuse 72°C  
3 wires  
for Samsung

# Defrost Thermostat/ Bi-Metal & Thermal Fuse



**R040604**

Bi-metal ST-3 + Fuse  
3 wires  
for Mitsubishi



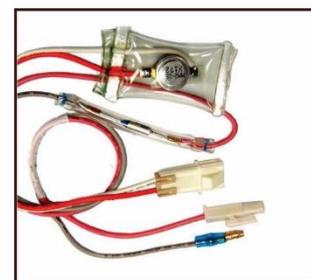
**R040605**

Bi-metal N12 + Fuse 72°C  
4 wires with socket  
for LG (KSD-3018)



**R040606**

Bi-metal TH2-13°C + Fuse 72°C  
3 wires with socket  
for Samsung



**R040607**

MM2-287  
Bi-metal + Fuse (4 wires)  
for Toshiba



**R040608**

Bi-metal TH2-8°C + Fuse 72°C  
3 wires



**R040609**

Bi-metal 2 wires  
for Westinghouse



**R040610**

Bi-metal ST-3 + Fuse 72°C  
3 wires with socket  
for LG, Samsung, Westinghouse



**R040611**

Bi-metal ST-3 + Fuse 72°C  
with 2 sockets  
for LG



**R040612**

Bi-metal N8 + Fuse 73°C  
3 wires



**R040613**

Bi-metal + fuse 77c, 4 wires  
with socket for Midea



**R040615**

Bi-metal HB5 + Fuse 72°C  
4 wires with socket  
for LG



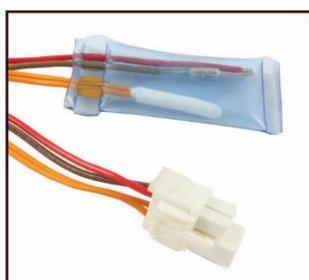
**R040616**

Bi-metal ST-3+ Fuse 72°C  
3+3 wires with 2 socket  
for LG



**R040617**

Bi-Metal+Fuse 73c,  
4 Wires With Socket  
for Midea



**R040651**

Sensor + Fuse 72°C  
4 wires with socket  
for LG



**R040652**

Sensor with socket  
for Samsung (DA320006W)



**R040653**

Sensor with socket

# Defrost Thermostat/ Bi-Metal & Thermal Fuse



**R040654**  
Sensor  
for Panasonic



**R040655**  
Sensor+Fuse 77c, 4wires  
With Socket for Midea



**R040701 (65°C)**  
**R040705 (73°C)**  
Thermal Fuse - IC



**R040702**  
Thermal Fuse (76°C)



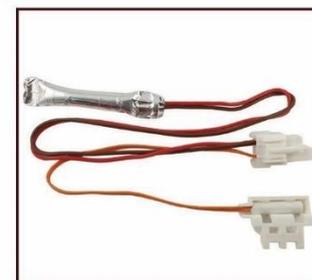
**R040703**  
Thermal Fuse (70°C)



**R040704**  
Thermal Fuse (77°C)  
+ Sensor with socket



**R040706**  
Thermal Fuse (77°C)



**R040707**  
Thermal Fuse (77°C)  
+ Sensor with socket and clip  
for LG



**R040708**  
Thermal Fuse (77°C)  
+ Sensor with 6 wires and 2 sockets  
for LG



**R040709**  
Thermal Fuse (72°C)  
for Samsung



**R040710**  
Thermal Fuse 72c X 2 Pcs  
for Hisense K1418420

# Glass Heater 110V / 220V

**ARUKI**<sup>®</sup>

## Glass Heater

For Mitsubishi, National, Toshiba, Hitachi, Sharp, GE, etc.



Code No.	Length	Watt	Voltage
For Mitsubishi, National, Toshiba, Hitachi, Sharp, GE, etc.			
R050108	8"	100W	110V
R050110	10"	120W	
R050112	12"	130W	
R050114	14"	145W	
R050115	15"		
R050116	16"	160W	
R050118	18"		
R050119	19"		
R050120	20"	180W	
R050122	22"		
R050208	8"	100W	220V
R050210	10"	120W	
R050211	11"		
R050212	12"	130W	
R050213	13"		
R050214	14"	145W	
R050215	15"		
R050216	16"	160W	
R050217	17"		
R050218	18"		
R050220	20"	180W	
R050222	22"		

**ARUKI**<sup>®</sup>

## Glass Heater

For Daewoo, Mitsubishi, etc.



Code No.	Length	Watt	Voltage
For Daewoo, Mitsubishi, etc.			
R050132	11.5"	130W	110V
R050132A	12"		
R050133	13.5"		
R050228	8"	120W	220V
R050230	10"		
R050231	11"		
R050232	11.4"	130W	
R050232A	12"		
R050233	13.5"		
R050233A	13"	145W	
R050234	14"		
R050234A	14.5"		
R050235	15"	160W	
R050236	16"		

# Defrost Heater/ Frame Heater/ Wire Heater

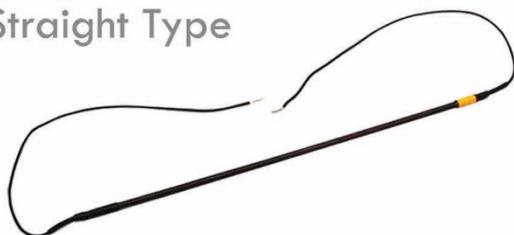
## Defrost Heater

U Type



Code No.	Length (mm)	Watt	Voltage
R050302	370 x 100	350W	200V – 240V
R050304	540 x 100	480W	

Straight Type



Code No.	Length (mm)	Watt	Voltage
R050350	500	230W	200V – 240V
R050352	600	300W	
R050354	700	350W	
R050356	800	400W	
R050358	900	450W	
R050360	1000	500W	

## Frame Heater



Code No.	Watt	Voltage
R060202	8.6W	230V

## Wire Heater



Code No.	Length (m)	Watt	Voltage
R060304	5.15	40W	220V
R060306	6	60W	

## Drain Heater



Code No.	Length (m)	Watt	Voltage
R060410	1	40W	200V – 240V
R060420	2	80W	
R060430	3	120W	
R060440	4	160W	
R060450	5	200W	
R060460	6	240W	

# Overload Protector & Relay



**ARUKI**

Overload Protector



Klixon - 220V	
Code No.	HP
R070303	1/3
R070304	1/4
R070305	1/5
R070306	1/6
R070308	1/8
R070310	1/10

For Sanyo - 220V	
Code No.	Model
R070445	P45KS

4TM - 220V	
Code No.	HP
R070503	1/3
R070504	1/4
R070505	1/5
R070506	1/6
R070508	1/8
R070510	1/10

## ARUKI<sup>®</sup> Relay



**R080211 (220V)**  
PTC 1 pin



**R080212 (220V)**  
PTC 2 pins



**R080213 (220V)**  
PTC 3 pins



**R080214 (220V)**  
PTC 4 pins



**R080234 (110V)**  
PTC 4 pins



**R080332 (110V)**  
PTC 2 pins



**R080333 (110V)**  
PTC 3 pins



**R080334/35 (110V)**  
PTC 4 pins

# Overload Protector & Relay



**R080414 (110V)  
R080404 (220V)**  
Klixon PTC 4 pins



**R080501 (110V)  
R080502 (220V)**  
ICG 1/12HP ~ 1/2HP  
Lead wire



**R080506 (220V)**  
Danfoss - 103N0011-PP1100



**R080514/15/  
16/18 (220V)**  
Danfoss - 1/4HP / 1/5HP /  
1/6HP / 1/8HP



**R080524/25/  
26/28 (220V)**  
Danfoss - 1/4HP / 1/5HP /  
1/6HP / 1/8HP



**R080803/04/  
06/08 (220V)**  
2 pins  
1/3HP / 1/4HP /  
1/6HP / 1/8HP



**R080905/08 (220V)**  
1/5HP / 1/8HP



**R081214 (220V)**  
PTC relay-2pins + overload  
1/4HP 220v (JPQIII-14)

## Potential Relay



**R080601**  
4AO-U3C2 (220V/60Hz)



**R080602**  
6AP-U4D3 (220V/60Hz)

# Thermostat



**R090320**  
DTB-20-L (3 pins)  
Capillary 600mm



**R090503**  
MM1-8138  
for Panasonic



**R090510**  
GNF-110  
For refrigerator



**R090531/32/33/34**  
ATB-DR131 / ATB-R132 /  
ATB-F133 / ATB-C134



**R090535**  
DTB-R135  
(for 2-door refrigerator)



**R090537**  
ATB-4226  
(for freezer)



**R090702**  
STB-R130  
(Push Button)



**R090703**  
WSF25-L  
(Push Button)



**R090708**  
SWTB-8169.1B  
(Push Button)



**R090711**  
SWTB-8624  
(Push Button)



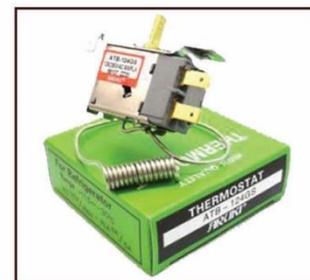
**R090901/02/03**  
AWTB-111A-R / AWTB-111E-F  
AWTB-111F-C



**R090906**  
WDF 18K-923-037



**R090907**  
WPF 20B-108



**R090917/24**  
PFN-C171 (for LG)  
ATB-124GS (for LG)



**R091200/01/02/03**  
K50-A1110-005 / K50-A1125-001  
K50-A1126-001 / K50-A1127-001



**R091221/25/27/29**  
DVC1 / DVS5 / DVB7 / DVT9

# Thermostat

CAPILLARY Ø 2.20MM



**R091208/09/11**

K59-A2258-1  
K59-A6821-1  
K59-A6827-1

**R091210/12**

K59-A6027-1  
K59-A6835-0

**R091304**

DVP4  
(Push Button)

**R091408**

K54-A6004  
(for freezer)



**R091610**

R K59-P1624-000  
(for Singer refrigerator)



PFN-175D



WDF20-M



WDF24-L

# Digital Thermostat



STC-100A



STC-1000



STC-9200

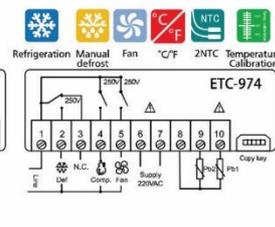
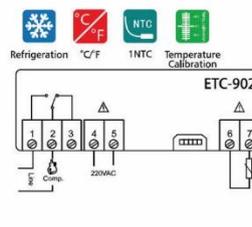
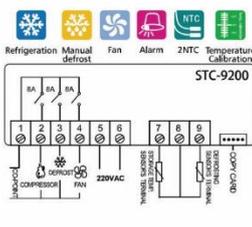
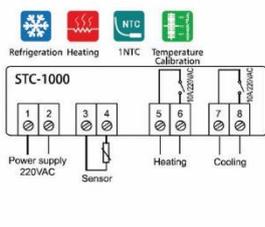
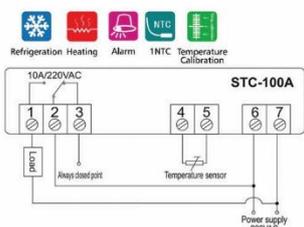


ETC-902



ETC-974

	Model	STC-100A	STC-1000	STC-9200	ETC-902	ETC-974
Main Features	Temperature range	-40°C ~ +99°C	-50°C ~ +99°C	-50°C ~ +50°C	-15°C ~ +60°C	-5°C ~ +55°C
	Temperature control range	-40°C ~ +99°C	-50°C ~ +99°C	-50°C ~ +50°C	-50°C ~ +99°C	-50°C ~ +110°C
	Application	cooling/ heating	Auto cooling / heating	cooling	cooling/ heating	cooling/ heating
	Power	220V ± 10% (VAC), 50/60Hz	220V ± 10% (VAC), 50/60Hz	220V ± 10% (VAC), 50/60Hz	230V ± 10% (VAC), 50/60Hz	230V ± 10% (VAC), 50/60Hz
Output	Sensor	1 NTC	1 NTC	2 NTC	1 NTC/ 1 PTC	1 NTC/ 1 PTC
	Digital input	-	-	-	-	-
Function	Compressor	10A	10A	8A	8A	8A
	Defrost	-	-	8A	-	8A
	Fan	-	-	8A	-	8A
	Light	-	-	-	Copy card, °C °F Switch	Copy card, °C °F Switch



# Starting Capacitor

**ARUKI®**  
**Starting Capacitor**  
250VAC, 330VAC



Code No.	uF	Code No.	uF
<b>250VAC</b>			
R105501	36 – 43uF	R105515	233 – 280uF
R105502	43 – 52uF	R105516	243 – 292uF
R105503	47 – 56uF	R105517	270 – 324uF
R105504	53 – 64uF	R105518	40 – 70uF
R105505	64 – 77uF	R105520	324 – 388uF
R105506	72 – 88uF	R105524	340 – 408uF
R105507	88 – 106uF	R105525	378 – 455uF
R105508	108 – 136uF	R105526	400 – 480uF
R105509	124 – 149uF	R105527	430 – 516uF
R105510	130 – 156uF	R105528	460 – 552uF
R105511	145 – 174uF	R105529	549 – 648uF
R105512	161 – 193uF	R105530	590 – 708uF
R105513	189 – 227uF	R105531	708 – 850uF
R105514	216 – 259uF	R105532	829 – 995uF
<b>330VAC</b>			
R106500	25 – 30uF	R106510	130 – 156uF
R106501	36 – 43uF	R106511	145 – 174uF
R106502	43 – 53uF	R106512	161 – 193uF
R106503	47 – 56uF	R106513	189 – 227uF
R106504	53 – 64uF	R106514	216 – 260uF
R106505	64 – 77uF	R106515	233 – 280uF
R106506	72 – 86uF	R106516	243 – 292uF
R106507	88 – 106uF	R106517	270 – 324uF
R106508	108 – 136uF	R106518	40 – 70uF
R106509	124 – 149uF		

# Filter Drier & Access Valve / Charging Valve

## ARUKI® Filter Drier



**R110101**  
1 IN 1 OUT  
(6.4 x 2.6)mm Ø - 19mm  
L - 105mm; 10g  
for refrigerator (R134a/R12)



**R110102**  
2 IN 1 OUT  
(6.4 & 4.7 x 2.6)mm Ø - 19mm  
L - 105mm; 10g  
for refrigerator (R134a/R12)



**R110104**  
2 IN 1 OUT  
(6.4 & 6.4 x 2.6)mm Ø - 19mm;  
L - 105mm; 10g  
for refrigerator (R134a/R12)



**R110105**  
1 IN 1 OUT  
(6.4 x 2.6)mm Ø - 19mm;  
L - 115mm; 15g  
for refrigerator (R134a/R12)



**A110101**  
1 IN 2 OUT  
(10 x 3 x 3)mm Ø - 19mm;  
L - 80mm  
for A/C (R22)

## ARUKI® Access Valve / Charging Valve



Code No.	Description		
R120101	D = 3/16"	L = 80mm	T = 0.4mm
R120104	D = 1/4"	L = 80mm	T = 0.6mm
R120105	D = 1/4"	L = 100mm	T = 0.4mm

\*Customisation is available.\*

# Fan Blower/ Blade/ Door Switch



**R130108**  
Fan Blower  
(85mm x 4mm)



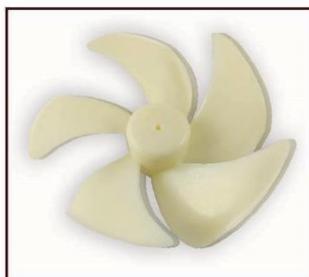
**R130209**  
Fan Blade (Beige)  
(CW - 90mm x 4mm)



**R130307/08/10**  
Fan Blade  
(CCW - 75mm x 1/8")  
(CCW - 80mm x 4mm)  
(CCW - 100mm x 1/8")



**R130410**  
Fan Blade  
(CW-100mm X 1/8")



**R130514**  
Fan Blade  
(CW-145mm X 1/8")



**R135108/10/12**  
Aluminium Fan Blade  
(8"/10"/12")



**R140201**  
2 Pins Light Switch - NC  
MM7-231 (DS-2)  
for Nat



**R140202**  
2 Pins Fan Switch - NO  
MM7-221 (DS-2)  
for Nat



**R140203**  
3 Pins Fan Light Switch  
MM7-211 (DS-2)  
for Nat



**R140204**  
2 Pins Light Switch  
(DS-11)



**R140205**  
2 Pins Light Switch  
(DS-19)



**R140504**  
4 Pins Fan Light Switch  
SR-DS04 (DS-6)  
for Nat, S/S



**R140605**  
3 Pins Fan Light Switch  
(DS-11)



**R140609**  
3 Pins Fan Light Switch  
SR-DS04-3 (Aruki DS-6A)  
for Nat



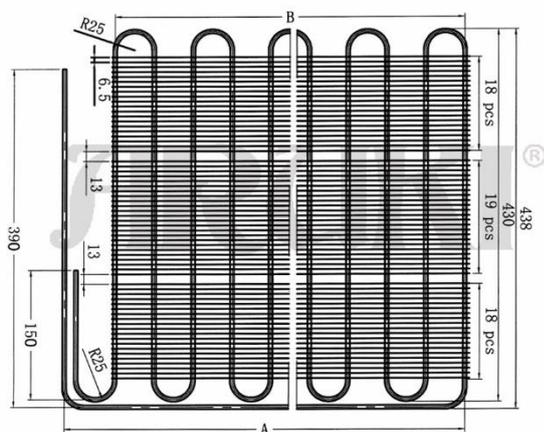
**R140612**  
2 Pins Light Switch  
(DS-3)

# Condenser

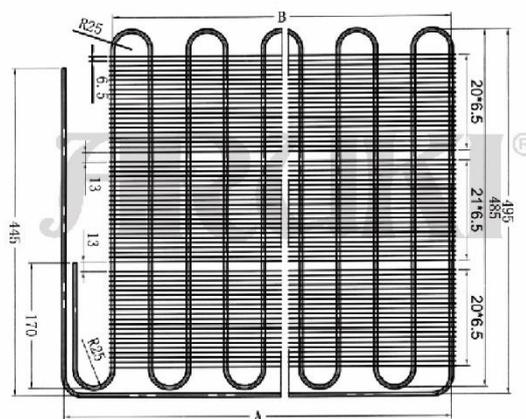
## ARUKI® Refrigerator Condenser

For OEM, ODM and Aftermarket

430mm



485mm



- ✓ 0.71 Bundy tube
- ✓ Efficient heat dissipation
- ✓ Customisation of size is available
- ✓ With anti-corrosion coating



Optional:  
With bracket

### Product specifications and measurements

Tube Diameter	Width	Code No.	Number of U.	U Length (mm)	Length A (mm)	Length B (mm)	Number of wire	Wire Length (mm)	Bracket
3/16"	430mm	R164305	5	50mm	515	450	110	460	Optional
		R164306	6		615	550		560	
		R164307	7		715	650		660	
		R164308	8		815	750		760	
		R164309	9		915	850		860	
		R164310	10		1015	950		960	
		R164311	11		1115	1050		1060	
R164312	12	1215	1150		1160				
1/4"	430mm	R164405	5		515	450	110	460	
		R164406	6		615	550		560	
		R164407	7		715	650		660	
		R164408	8		815	750		760	
		R164409	9	915	850	860			
		R164410	10	1015	950	960			
		R164411	11	1115	1050	1060			
R164412	12	1215	1150	1160					
3/16"	485mm	R164805	5	515	450	122	460	Optional	
		R164806	6	615	550		560		
		R164807	7	715	650		660		
		R164808	8	815	750		760		
		R164809	9	915	850		860		
		R164810	10	1015	950		960		
		R164811	11	1115	1050		1060		
R164812	12	1215	1150	1160					
1/4"	485mm	R164905	5	515	450	122	460		
		R164906	6	615	550		560		
		R164907	7	715	650		660		
		R164908	8	815	750		760		
		R164909	9	915	850		860		
		R164910	10	1015	950		960		
		R164911	11	1115	1050		1060		
R164912	12	1215	1150	1160					

# Ice Maker



## ARUKI® Ice Maker

R170102 (IM-01-2) 220V, 50/60Hz

- High Speed
- Auto water-feeding
- Ice Detector equipped  
(auto start/stop producing ice)

Rated Speed of Output Shaft	Motor Power	Heating Pipe Power	Ice raking time	Weight of ice produced each time	Total weight of ice produced per day
0.83 turn-min min/ (50Hz); 1 turn-min min/ (60Hz)	3W	165W	2 - 4min	120-130g (each ice cube weighs 15g approx.)	5-10kg (depending on refrigeration efficiency)

### Ice Cube Maker

FDIP401 (DC 11V ~ 13V)



<b>Dimension (mm)</b>	120 x 120 x 240
<b>Power</b>	2W – 3W
<b>Water Filing</b>	90ml – 100ml
<b>Total weight of ice produced per day</b>	1.1kg
<b>Control</b>	Electrical
<b>Type</b>	Twist

### Ice Cube Maker

FDI101S (110V ~ 230V)



<b>Dimension (mm)</b>	120 x 120 x 300
<b>Power</b>	165W
<b>Water Filing</b>	100ml – 115ml
<b>Total weight of ice produced per day</b>	2.2kg
<b>Control</b>	Mechanical
<b>Frequency</b>	50Hz – 60Hz

## Sankyo Ice Maker

Automatic ice cube maker (NTPV)



<b>Motor Drive parts</b>	<b>Voltage range</b>	<b>Motor</b>	DC 10V – 13V
		<b>Tact Switch</b>	DC 4.5V – 15V
	<b>Current input</b>	<b>No Load</b>	100mA or less
		<b>Rated Load</b>	300mA or less
<b>Output Shaft Torque</b>			4N·m
<b>Operating Time</b>			About 30s
<b>Operating Temperature</b>			-30°C – 0°C
<b>Weight of ice produced each time</b>			About 100g

# AIR CONDITIONER



# SPARE PARTS

**ARUKI**

BRINGING HUMANITY FORWARD

# Rotary Compressor

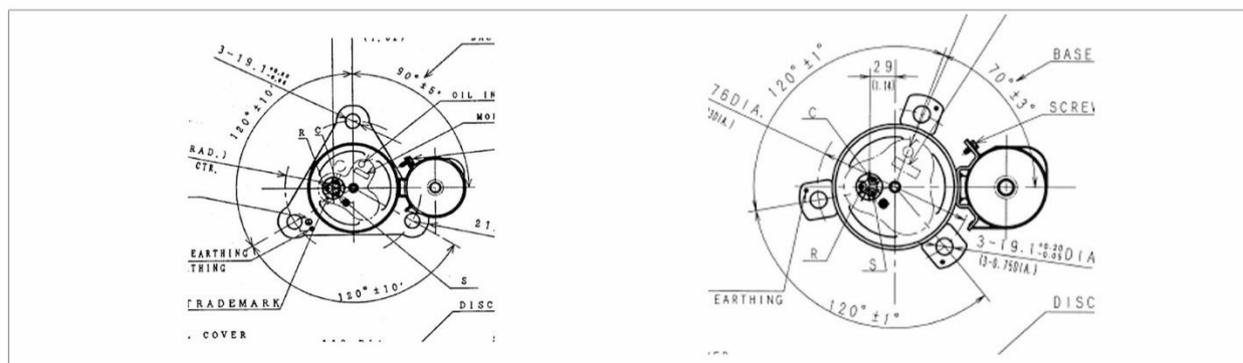


A0101 - Series  
**Panasonic**  
ideas for life

R22 Rotary Compressor  
(1 Phase / 220V-240V, 50Hz)

Comes with mounting accessories,  
overload and relay

Evaporating Temp.	Ambient Temp.	Condensing Temp.	Liquid Temp.	Suction Temp.
7.2°C	35°C	54.4°C	46.1°C	35°C



Dimension 1

Dimension 2

Code No.	Model	Capacity (BTU)	Motor Input (W)	Current (A)	Running Capacitor (uF)	Dimension
A010109	2P17S225ANQ	9000	885	4.1	30/370V	1
A010112	2P21T225AZB	11080	1130	5.25	30/370V	1
A010118	2K32S225AUD	18117	1725	8	60/370V	2
A010119	2V32S225AUA	18450	1700	8	60/370V	2
A010123	2V40S225BUA	23135	2255	11	60/370V	2
A010124	2V42S225AUA	24000	2340	11	60/370V	2

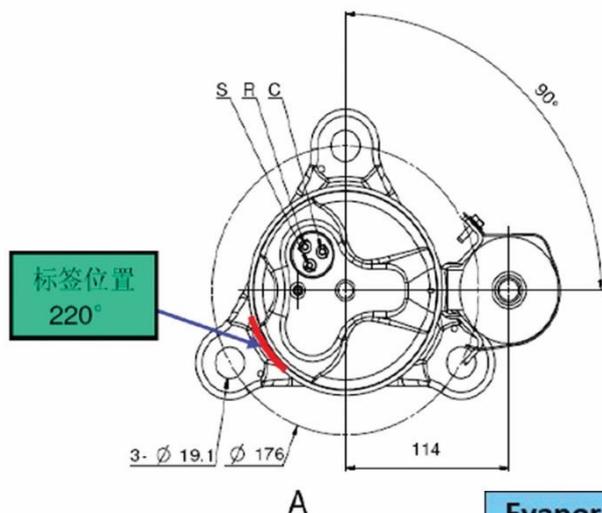
# Rotary Compressor

A0102/03 - Series



**R22 Rotary Compressor**  
(1 Phase / 220V-240V, 50Hz)

Comes with mounting accessories,  
overload and relay



Liquid Temp.	Suction Temp.
46.1°C	35°C

Evaporating Temp.	Ambient Temp.	Condensing Temp.
7.2°C	35°C	54.4°C

Code No.	Model	Capacity (BTU)	Motor Input (W)	Current (A)	Running Capacitor (uF/V)
<b>A0102 - Series</b>					
A010209	QKS156HDA	9030	820	3.8	30uF/400V
A010210	QKS164HMA	9200	820	3.8	30uF/400V
A010212	QJ208HCA	12100	1110	5.3	30uF/400V
A010218	QJ306PCB	18300	1830	8.7	50uF/400V
A010224	QP407PBA	24700	2287	11.6	45uF/400V
A010226	QP442PBA	26000	2549		60uF/400V
<b>A0103 - Series</b>					
A010339	QK156PEB	9000	860	3.7	25uF/400V
A010342	QK208PDB	12000	1188	5.2	30uF/400V
A010349	QVS325PNA	19200	1920	8.7	50uF/400V
A010354	QP407PMA	24100	2317	10.6	60uF/400V
A010356	QP442JMA	26100	2475	12.6	60uF/400V
<b>T3 Application</b>					
	QK164PGB	9400	877		
	QK222PBA	13100	1219		
	QP407PAB	24100	2287	11.62	45uF/400V
	QP442PED	26000	2454	11.6	60uF/440V

# Scroll Compressor



## R22 Scroll Compressor (380-420V/3PH)

Comes with mounting accessories, overload and relay



Code No.	Model	BTU
A010401	ZR36K3-TFD-522	30800
A010402	ZR42K3-TFD-522	35000
A010403	ZR47KC-TFD-522	39300
A010404	ZR57KC-TFD-522	45000
A010404-E	ZR57KE-TFP-(54E)	45000
A010405	ZR61KC-TFD-522	51000
A010407	ZR72KC-TFD-522	60900
A010407-E	ZR72KC-TFD-(52E)	60900
A010409	ZR94KC-TFD-522	80400
A010410	ZR108KF-TFD-522	92000
A010413	ZR125KC-TFD-522	107000
A010414	ZR144KC-TFD-522	123000
A010415	ZR160KC-TFD-522	130000
A010416	ZR190KC-TFD-522	155000

### Brands that are also available

#### Rotary Compressor:



#### Scroll Compressor:



# Time Delay & Temperature Sensor



**A030301/A030401**

ADM-68 Delay On Make /Break Timer  
0.03min - 10min (19V - 288V)



**A040101**

TS-001 (2-wire)  
Temperature Sensor



**A040102**

TS-002 (4-wire)  
Temperature Sensor with fuse



**A040103**

TS-003 (2-wire)  
Aircon Temperature Sensor

# Overload & Relay & Starter Capacitor



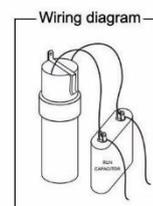
**Overload (220V)**

Code No.	Model	HP
A070301	MRA98688	1/2
A070302	MRA98735	3/4
A070303	MRA98776	1.0
A070304	MRA99120	1.5
A070305	MRA99123	2.0



**Relay**

Code No.	Description
A080201	PTC Start Relay (220V) 1/2HP - 3HP; PTC/30



**Hard Starter Capacitor**

Code No.	Model	Voltage	HP
A080301	SPP5	115VAC - 288V AC; Increases Compressor Torque 300% with the "BIG KICK"	1/2HP - 10HP
A080302	SPP6	115VAC - 288V AC; Increases Compressor Torque 500% with the "BIG KICK"	

# Square Capacitor



**A101-Series**



**A102-Series**

Code No.	uF	Code No.	uF	Code No.	uF
<b>A101 (450V)</b>					
A101010	1.0	A101040	4.0	A101080	8.0
A101015	1.5	A101045	4.5	A101090	9.0
A101020	2.0	A101050	5.0	A101100	10.0
A101025	2.5	A101055	5.5	A101110	11.0
A101030	3.0	A101060	6.0	A101120	12.0
A101035	3.5	A101070	7.0		
<b>A102 (450V)</b>					
A102010	1.0	A102030	3.0	A102050	5.0
A102015	1.5	A102035	3.5	A102055	5.5
A102020	2.0	A102040	4.0	A102060	6.0
A102025	2.5	A102045	4.5		

# Digital Thermostat



<b>Code No.</b>	<b>A095112 (ART-01FCT-4)</b> - Used for 4-pipe system, flush mount
	<b>A095115 (ART-01FCT-CO-RC)</b> - Only cooling mode, with room card, flush mount

- ✓ Large LCD with backlight;
- ✓ Temperature can be set to warm/cool
- ✓ Display will show both set point and room temperature
- ✓ Maintains the temperature within  $\pm 1^{\circ}\text{C}$
- ✓ Auto fan with adjustable 3 fan speed
- ✓ All settings will be retained in an event of power loss



<b>Code No.</b>	<b>A095122 (ART-02FCT-4)</b> - Used for pipe fan coil unit system, 3-speed fan
-----------------	---

- ✓ Large LCD with backlight;
- ✓ Sleep mode option
- ✓ Temperature can be set to warm/cool, programmable
- ✓ Display will show both set point and room temperature
- ✓ Maintains the temperature within  $\pm 0.5^{\circ}\text{C}$
- ✓ Auto fan with adjustable 3 fan speed
- ✓ All settings will be retained in an event of power loss
- ✓ Display temperature recalibrates



<b>Code No.</b>	<b>A095105 (T15FCT-2-RC)</b> - 24V Wall Mounted with room card on-off function
-----------------	---

- ✓ Simple adjustments
- ✓ Display will show both set point and room temperature
- ✓ Maintains the temperature within  $\pm 1^{\circ}\text{C}$
- ✓ Auto fan with adjustable 3 fan speed
- ✓ New vertical design, cross wire installation or vertical installation

# Digital Thermostat



Model	908FCT-4BY
✓	220V DC $\pm$ 10%
✓	Accuracy $\pm$ 1°C
✓	Relay contactor: 250V 3A
✓	Cooling/ Heating
✓	2-pipe/ 4-pipe option
✓	Room card function
✓	3-fan speed with remote control



Model	920FCT-2-S
✓	220V DC $\pm$ 10%
✓	Accuracy $\pm$ 1°C
✓	Relay contactor: 250V 3A
✓	Cooling/ Heating
✓	2-pipe



Model	922FCT-CO-S
✓	220V DC $\pm$ 10%
✓	Accuracy $\pm$ 1°C
✓	Relay contactor: 250V 8A
✓	Cooling only
✓	External sensor

# Universal A/C PCB with Remote Control



<b>Code No.</b>	<b>A095303 (for split a/c up to 2 HP)</b>	<b>AUTO RESTART</b>
<b>Model</b>	<b>QD-U08C</b>	
<ul style="list-style-type: none"> <li>✓ 5 working modes</li> <li>✓ 3 fan speed</li> <li>✓ Accurate and stable temperature control, auto fan</li> <li>✓ Automatic defrost</li> <li>✓ Sleep function, double sensors</li> <li>✓ Prevent code wind in heating mode</li> <li>✓ Colourful sensor socket, easy for connecting</li> <li>✓ Easy installation</li> </ul>		



<b>Code No.</b>	<b>A095304 (for split a/c below 2 HP)</b>	<b>AUTO RESTART</b>
<b>Model</b>	<b>QD-U03C+</b>	
<ul style="list-style-type: none"> <li>✓ 5 working modes</li> <li>✓ 3 fan speed</li> <li>✓ Accurate and stable temperature control, auto fan</li> <li>✓ Timer inline/offline</li> <li>✓ Sleep mode</li> <li>✓ Periodical defrosts</li> <li>✓ Double sensor</li> <li>✓ Prevent cold wind in heating mode</li> <li>✓ Outdoors fan is controlled independently</li> </ul>		



<b>Code No.</b>	<b>A095305</b>	<b>AUTO RESTART</b>
<b>Model</b>	<b>QD-U05PGC+</b>	
<ul style="list-style-type: none"> <li>✓ 5 working modes</li> <li>✓ Accurate and stable temperature control, auto fan</li> <li>✓ Timer and sleep mode</li> <li>✓ Double sensor</li> <li>✓ Prevent cold wind in heating mode</li> <li>✓ Outdoor fan is controlled independently</li> <li>✓ Time-delayed compressor protection for 3 minutes</li> </ul>		

# Universal A/C PCB with Remote Control



<b>Code No.</b>	<b>A095306</b> (for split a/c <b>below 2 HP</b> )
<b>Model</b>	<b>QD-U02B+</b>
	<ul style="list-style-type: none"> <li>✓ 5 working modes</li> <li>✓ 3 fan speed</li> <li>✓ Accurate and stable temperature control, auto fan</li> <li>✓ Timer and sleep mode</li> <li>✓ Periodical defrosts</li> </ul>



<b>Code No.</b>	<b>A095307</b> (for split a/c <b>up to 2 HP</b> )	<b>AUTO RESTART</b>
<b>Model</b>	<b>QD-U10A</b>	
	<ul style="list-style-type: none"> <li>✓ 5 working modes</li> <li>✓ 3 fan speed</li> <li>✓ Sleep mode</li> <li>✓ Double sensor head design</li> <li>✓ Digital LED display</li> <li>✓ Prevent cold wind in heating mode</li> <li>✓ Auxiliary heating function</li> <li>✓ Outdoor fan controlled independently</li> <li>✓ Timer switch on/off function</li> <li>✓ Automatic defrosting function</li> <li>✓ Compressor 3 minutes delaying protection</li> <li>✓ Force start function in the state of turning off</li> </ul>	



<b>Code No.</b>	<b>A095308</b> (for split a/c <b>up to 2 HP</b> )	<b>AUTO RESTART</b>
<b>Model</b>	<b>QD-U11A</b>	
	<ul style="list-style-type: none"> <li>✓ 5 working modes</li> <li>✓ 3 fan speed</li> <li>✓ 2 sensors</li> <li>✓ Digital LED display</li> <li>✓ Prevent cold wind in heating mode</li> </ul>	

# Universal Aircon Remote Control



**A095212**

Universal a/c remote control  
(ARUKI K-100ES)



**A095213**

Universal a/c remote control  
+ flash light (ARUKI K-1028E)



**A095214**

Universal a/c remote control  
(ARUKI KT-109II)



**A095215**

Universal a/c remote control  
for Chigo



**A095216**

Universal a/c remote control  
for Haier



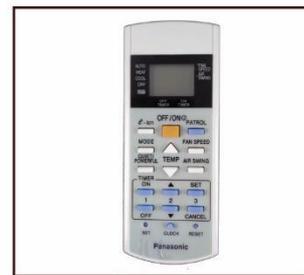
**A095217**

Universal a/c remote control  
for Gree



**A095218**

Universal a/c remote control  
for Midea



**A095219**

Universal a/c remote control  
for Panasonic



**A095220**

Universal a/c remote control  
for Daikin



**A095221**

Universal a/c remote control  
for Mitsubishi



**A095222**

Universal a/c remote control  
for LG (KT-LG1)



**A095223**

Universal a/c remote control  
for Samsung (KT-SS)



**A095224**

Universal a/c remote control  
for Fujitsu



**A095225**

Universal a/c remote control  
for General



**A095226**

Universal a/c remote control  
for Aux



**A095227**

Universal a/c remote control  
for Sharp



**A095228**

Universal a/c  
remote control  
for Carrier



**A095229**

Universal a/c  
remote control  
for York



**A095230**

Universal a/c  
remote control  
for Daikin



**A095231**

Universal a/c  
remote control  
for Mitsubishi



**A095403**

A/C remote control  
for TCL

# Universal Remote Control

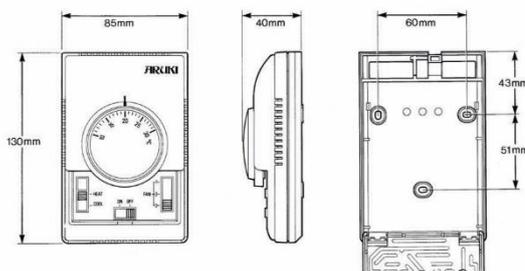
## A095102 - Room Control Thermostat (AW - 3B)



Size	Material (Body)	Installation	Temperature Range	Accuracy	Power	Power Consumption
130 x 85 x 40 mm	ABS, Anti flammable	Wall mounting	10°C ~ 30°C	±1°C	220V±10%, 50/60Hz	<2W

### FEATURES

- ✓ Dual diaphragm sensing element ensures close temperature control for all loads and applications
- ✓ Slide switches allow manual control of system operation and fan speed
- ✓ Thermostat mounts directly onto a wall or conduit box



### WIDELY USED ON:

Electrical Operated Valve/ Fan Valve/  
Solenoid Valve/ 4-pipe  
Fan Coil Unit/ Central A/C system for Hotel  
/ Factory/ Commercial Building/  
Supermarket/ Hospital/  
Residential Apartment & etc.

# Air Conditioner Thermostat



**A090501**

A30-2266-057 (2-pins)



**A090802**

KTB-057(3-pins)



**A090803**

KTB-333 (3-pins)



**A090804/06**

KTB-157 (3-pins)  
KTB 1630HC (3-pins)



**A090901**

PFA-111-A (2-pins)



**A090903**

PFA-606S-A (2-pins)



**A090904**

YTB-17F28 (2-pins)



**A090912**

YTB-17S6 (2-pins)

# Round Capacitor



## Round Capacitor



2 PINS

3 PINS

2 PINS											
A109 (370-400V)						A107 (450V)					
Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF
A109001	2	A109011	11	A109040	40	A107001	2	A107011	11	A107040	40
A109002	2.5	A109012	12.5	A109045	45	A107002	2.5	A107012	12.5	A107045	45
A109003	3	A109013	13	A109050	50	A107003	3	A107013	13	A107050	50
A109004	4	A109014	14	A109055	55	A107004	4	A107014	14	A107055	55
A109005	5	A109015	15	A109060	60	A107005	5	A107015	15	A107060	60
A109006	6	A109017	17.5	A109065	65	A107006	6	A107017	17.5	A107065	65
A109007	7.5	A109020	20	A109070	70	A107007	7.5	A107020	20	A107070	70
A109008	8	A109025	25	A109075	75	A107008	8	A107025	25	A107075	75
A109009	9	A109030	30	A109080	80	A107009	9	A107030	30	A107080	80
A109010	10	A109035	35			A107010	10	A107035	35		

3 PINS											
A109 (370-400V)						A107 (450V)					
Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF
A109215	2+15	A109417	4+17	A109645	6+45	A107215	2+15	A107417	4+17	A107645	6+45
A109217	2+17	A109420	4+20	A109650	6+50	A107217	2+17	A107420	4+20	A107650	6+50
A109220	2+20	A109425	4+25	A109655	6+55	A107220	2+20	A107425	4+25	A107655	6+55
A109225	2+25	A109430	4+30	A109660	6+60	A107225	2+25	A107430	4+30	A107660	6+60
A109230	2+30	A109435	4+35	A109665	6+65	A107230	2+30	A107435	4+35	A107665	6+65
A109235	2+35	A109440	4+40	A109730	7+30	A107235	2+35	A107440	4+40	A107730	7+30
A109240	2+40	A109445	4+45	A109735	7+35	A107240	2+40	A107445	4+45	A107735	7+35
A109245	2+45	A109450	4+50	A109740	7+40	A107245	2+45	A107450	4+50	A107740	7+40
A109250	2+50	A109455	4+55	A109745	7+45	A107250	2+50	A107455	4+55	A107745	7+45
A109255	2+55	A109460	4+60	A109750	7+50	A107255	2+55	A107460	4+60	A107750	7+50
A109260	2+60	A109465	4+65	A109755	7+55	A107260	2+60	A107465	4+65	A107755	7+55
A109265	2+65	A109520	5+20	A109760	7+60	A107265	2+65	A107520	5+20	A107760	7+60
A109315	3+15	A109525	5+25	A109765	7+65	A107270	2+70	A107525	5+25	A107765	7+65
A109317	3+17	A109530	5+30	A109815	7.5+15	A107315	3+15	A107530	5+30	A107815	7.5+15
A109320	3+20	A109535	5+35	A109817	7.5+17	A107317	3+17	A107535	5+35	A107817	7.5+17
A109325	3+25	A109540	5+40	A109820	7.5+20	A107320	3+20	A107540	5+40	A107820	7.5+20
A109330	3+30	A109545	5+45	A109825	7.5+25	A107325	3+25	A107545	5+45	A107825	7.5+25
A109335	3+35	A109550	5+50	A109830	7.5+30	A107330	3+30	A107550	5+50	A107830	7.5+30
A109340	3+40	A109555	5+55	A109835	7.5+35	A107335	3+35	A107555	5+55	A107835	7.5+35
A109345	3+45	A109560	5+60	A109840	7.5+40	A107340	3+40	A107560	5+60	A107840	7.5+40
A109350	3+50	A109565	5+65	A109845	7.5+45	A107345	3+45	A107565	5+65	A107845	7.5+45
A109355	3+55	A109625	6+25	A109850	7.5+50	A107350	3+50	A107625	6+25	A107850	7.5+50
A109360	3+60	A109630	6+30	A109855	7.5+55	A107355	3+55	A107630	6+30	A107855	7.5+55
A109365	3+65	A109635	6+35	A109860	7.5+60	A107360	3+60	A107635	6+35	A107860	7.5+60
A109415	4+15	A109640	6+40	A109865	7.5+65	A107365	3+65	A107640	6+40	A107865	7.5+65
						A107415	4+15				

# Oval Capacitor

**ARUKI**

## Oval Capacitor



2 PINS



3 PINS

2 PINS											
A108 (370-400V)						A106 (440-450V)					
Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF
A108002	2.5	A108015	15	A108050	50	A106001	2	A106011	11	A106040	40
A108003	3	A108017	17.5	A108055	55	A106002	2.5	A106012	12.5	A106045	45
A108004	4	A108020	20	A108060	60	A106003	3	A106013	13	A106050	50
A108005	5	A108025	25	A108065	65	A106004	4	A106014	14	A106055	55
A108006	6	A108030	30	A108070	70	A106005	5	A106015	15	A106060	60
A108007	7.5	A108035	35	A108075	75	A106006	6	A106017	17.5	A106065	65
A108010	10	A108040	40	A108080	80	A106007	7.5	A106020	20	A106070	70
A108012	12.5	A108045	45			A106008	8	A106025	25	A106075	75
						A106009	9	A106030	30	A106080	80
						A106010	10	A106035	35		

3 PINS											
A108 (370-400V)						A106 (440-450V)					
Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF	Code No.	uF
A108215	2+15	A108430	4+30	A108650	6+50	A106215	2+15	A106430	4+30	A106650	6+50
A108217	2+17	A108435	4+35	A108655	6+55	A106217	2+17	A106435	4+35	A106655	6+55
A108220	2+20	A108440	4+40	A108660	6+60	A106220	2+20	A106440	4+40	A106660	6+60
A108225	2+25	A108445	4+45	A108665	6+65	A106225	2+25	A106445	4+45	A106665	6+65
A108230	2+30	A108450	4+50	A108715	7+15	A106230	2+30	A106450	4+50	A106715	7+15
A108235	2+35	A108455	4+55	A108717	7+17	A106235	2+35	A106455	4+55	A106717	7+17
A108240	2+40	A108460	4+60	A108720	7+20	A106240	2+40	A106460	4+60	A106720	7+20
A108245	2+45	A108465	4+65	A108725	7+25	A106245	2+45	A106465	4+65	A106725	7+25
A108250	2+50	A108515	5+15	A108730	7+30	A106250	2+50	A106515	5+15	A106730	7+30
A108255	2+55	A108517	5+17	A108735	7+35	A106255	2+55	A106517	5+17	A106735	7+35
A108260	2+60	A108520	5+20	A108740	7+40	A106260	2+60	A106520	5+20	A106740	7+40
A108265	2+65	A108525	5+25	A108745	7+45	A106265	2+65	A106525	5+25	A106745	7+45
A108315	3+15	A108530	5+30	A108750	7+50	A106315	3+15	A106530	5+30	A106750	7+50
A108317	3+17	A108535	5+35	A108755	7+55	A106317	3+17	A106535	5+35	A106755	7+55
A108320	3+20	A108540	5+40	A108760	7+60	A106320	3+20	A106540	5+40	A106760	7+60
A108325	3+25	A108545	5+45	A108765	7+65	A106325	3+25	A106545	5+45	A106765	7+65
A108330	3+30	A108550	5+50	A108815	7.5+15	A106330	3+30	A106550	5+50	A106815	7.5+15
A108335	3+35	A108555	5+55	A108817	7.5+17	A106335	3+35	A106555	5+55	A106817	7.5+17
A108340	3+40	A108560	5+60	A108820	7.5+20	A106340	3+40	A106560	5+60	A106820	7.5+20
A108345	3+45	A108565	5+65	A108825	7.5+25	A106345	3+45	A106565	5+65	A106825	7.5+25
A108350	3+50	A108615	6+15	A108830	7.5+30	A106350	3+50	A106615	6+15	A106830	7.5+30
A108355	3+55	A108617	6+17	A108835	7.5+35	A106355	3+55	A106617	6+17	A106835	7.5+35
A108360	3+60	A108620	6+20	A108840	7.5+40	A106360	3+60	A106620	6+20	A106840	7.5+40
A108365	3+65	A108625	6+25	A108845	7.5+45	A106365	3+65	A106625	6+25	A106845	7.5+45
A108415	4+15	A108630	6+30	A108850	7.5+50	A106415	4+15	A106630	6+30	A106850	7.5+50
A108417	4+17	A108635	6+35	A108855	7.5+55	A106417	4+17	A106635	6+35	A106855	7.5+55
A108420	4+20	A108640	6+40	A108860	7.5+60	A106420	4+20	A106640	6+40	A106860	7.5+60
A108425	4+25	A108645	6+45	A108865	7.5+65	A106425	4+25	A106645	6+45	A106865	7.5+65

# WASHING MACHINE



# SPARE PARTS

**ARUKI**

BRINGING HUMANITY FORWARD

# Magnetic Pump

## **GENUINE Askoll** Universal Magnetic Pump

110V / 220V, 50/60Hz



**Code: 215001** Art.RT099600  
Askoll Magnetic Pump 30W  
Type: Back terminals  
Mounting: Screw on  
Compatibility: Samsung,  
Electrolux



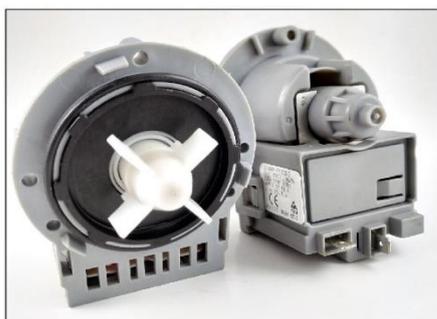
**Code: 215002** Art.RT099700  
Askoll Magnetic Pump 30W  
Type: Front terminals  
Mounting: Screw on  
Compatibility: LG, Haier  
Panasonic, Defy



**Code: 215003** Art.RT099800  
Askoll Magnetic Pump 30W  
Type: Back terminals  
Mounting: Screw on  
Compatibility: LG, Electrolux,  
Bosch, Hisense

## **PREMIUM ARUKI** Universal Magnetic Pump

110V / 220V, 50/60Hz



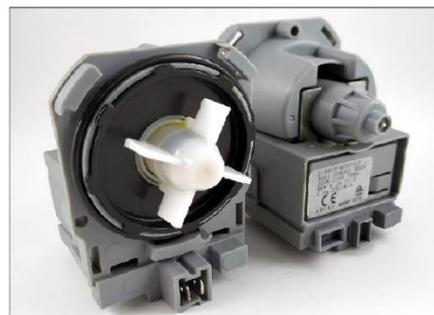
**Code: 215608**  
Aruki Magnetic Pump  
Type: Back terminals  
Mounting: Screw on  
Compatibility: Universal



**Code: 215610**  
Aruki Magnetic Pump  
Type: Back terminals  
Mounting: Screw on  
Compatibility: Universal



**Code: 215612**  
Aruki Magnetic Pump  
Type: Back terminals  
Mounting: Twist on  
Compatibility: Universal



**Code: 215614**  
Aruki Magnetic Pump  
Type: Front terminals  
Mounting: Twist on  
Compatibility: Universal

# Capacitor | Pressure Switch | Drain Motor | Water Valve



## ARUKI<sup>®</sup> Running Capacitor with 8m stud 450V, 50/60Hz

Application: Washing machine, dishwasher, water pump

Code No.	uF	Code No.	uF
W104502	2.5uF	W104514	14.0uF
W104504	4.5uF	W104515	15.0uF
W104505	5.0uF	W104516	16.0uF
W104506	6.3uF	W104518	18.0uF
W104508	8.0uF	W104520	20.0uF
W104510	10.0uF	W104525	25.0uF
W104512	12.5uF	W104530	30.0uF

### Pressure Switch



**W280301 (220V)**

3 PINS (FOR JAPANESE MOD)



**W280302 (220V)**

KPS-54 3 PINS (FOR SANYO)

### Drain Motor



**W511303 (KD-KM22LA)**

200VAC, 50/60Hz

### Water Valve



**W160301 (110V)**  
**W160302 (220V)**

FVS-65V-1/ FVS-65V  
1 IN 1 OUT, 90°  
for Japan/Korea W/M



**W160303 (110V)**  
**W160304 (220V)**

FVS-55VJ-1A/ FVS-55VJ-A  
1 IN 1 OUT, 180°  
for Japan/Korea W/M



**W160608 (220V)**

1 IN 1 OUT, 90°  
Dacwoo - L8



**W160311 (110V)**  
**W160312 (220V)**

EATON WV-33-1  
EATON WV-33  
1 IN 1 OUT, 90°; for Italy W/M



**W160313 (110V)**  
**W160314 (220V)**

EATON WV-39-1  
EATON WV-39  
1 IN 1 OUT, 180°; for Italy W/M



**W170208 (220V)**

C-224/19-A01  
1 IN 2 OUT  
for Samsung W/M



**W175302 (220V)**

C-154/20-B10  
1 IN 3 OUT  
for Samsung W/M



**W179103 (110V)**  
**W179101 (220V)**

CW-151-1/ CW-151  
2 IN 1 OUT  
for American W/M

# HVACR TOOLS &



# EQUIPMENT

**ARUKI**

BRINGING HUMANITY FORWARD

# Heating / Cooling Thermostat

\* Applications: Water Heater, Water Boiler, Warm Air Heater, Washing Machine, Electric Oven



**H090111**

GWTB-110

0 ~ 110°C (with accessories)



**H090112**

GWTB-120

0 ~ 120°C (with accessories)



**H090125**

GWTB-250

0 ~ 250°C (with accessories)



**H090132**

GWTB-320

50 ~ 320°C (with accessories)



GWTB (30°C ~85°C)



GWTB (30°C ~110°C)  
screw type



GWTB (50°C ~300°C)

\* Applications: Refrigerator, Freezer, Boiler, Cold Storage Room, Display Showcase, Food Warmer



**R091103**

GWTB-TR/711

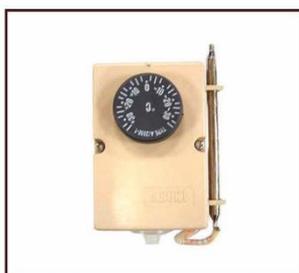
Warm +35°C / Cold -35°C  
with accessories



**R091105**

P001-F200035

Warm +35°C / Cold -35°C  
Long Probe/ Box Type



**R091106**

P001-A200035

Warm +35°C / Cold -35°C  
Short Probe / Box Type



**R091107**

P001-F200040

0 ~ 40°C Long Probe/ Box Type



**R091109**

P001-F200090

0 ~ 90°C Short Probe/ Box Type

We can customize different temperature ranges according to customer requirements

# Car Air Conditioner Thermostat

## ARUKI® Car A/C Thermostat



**V090101**  
PFN-150M-02



**V090202**  
YTB-B169  
Lever type



**V090203**  
YTB-443550-0331



**V090204**  
YTB-443550-0060

## RC Car A/C Thermostat



**V090301**  
RC A10-6580-057  
Copper Capillary



**V090302**  
RC A10-6580-058  
Tinning Capillary



**V090305**  
R A10-6580-57A  
Tinning Capillary



**V090306**  
R A10-6580-057C  
Copper Capillary



**V091003**  
RC A10-6495-057  
48" Capillary



**V091004**  
RC A10-6580-057  
Tinning Capillary



**V091005**  
RC A10-6588-057  
Copper Capillary



**V091052**  
RC A10-7006-058  
126mm Lever



**V091053**  
RC A10-3128-3084  
35mm Lever

# Capillary Tube

## ARUKI® C0101 - Series

For Air Conditioning and Refrigeration,  
Capillary Tubes as per ASTM B360



\* Copper Alloy C1 2200 Material

Code No.	Outside Diameter		Inside Diameter		Mean Wall Thickness (mm)	Weight (kg/m)
	inch	mm	inch	mm		
C010101	0.072	1.830	0.026	0.660	0.584	0.0204
C010102	0.072	1.830	0.028	0.711	0.558	0.0199
C010103	0.081	2.060	0.031	0.787	0.635	0.0254
C010104	0.081	2.060	0.033	0.838	0.606	0.0248
C010105	0.087	2.210	0.036	0.914	0.648	0.0284
C010106	0.087	2.210	0.039	0.991	0.606	0.0239
C010107	0.093	2.360	0.042	1.070	0.648	0.0312
C010108	0.097	2.470	0.046	1.170	0.648	0.0331
C010109	0.099	2.510	0.049	1.240	0.635	0.0335
C010110	0.106	2.690	0.054	1.370	0.660	0.0377
C010111	0.112	2.840	0.059	1.500	0.673	0.0411
C010112	0.125	3.180	0.064	1.630	0.775	0.0522
C010113	0.125	3.180	0.070	1.780	0.698	0.0486
C010114	0.125	3.180	0.075	1.910	0.635	0.0454
C010115	0.145	3.680	0.080	2.030	0.826	0.0663
C010116	0.145	3.680	0.085	2.160	0.762	0.0625
C010117	0.145	3.680	0.090	2.290	0.698	0.0586
C010118	0.160	4.060	0.100	2.540	0.762	0.0707
C010119	0.160	4.060	0.110	2.790	0.635	0.0611
C010120	0.188	4.780	0.120	3.030	0.864	0.0949
C010121	0.188	4.780	0.130	3.300	0.737	0.0836
C010122	0.200	5.080	0.145	3.680	0.698	0.0860
C010123	0.220	5.590	0.160	4.060	0.762	0.103
C010124	0.240	6.100	0.175	4.450	0.826	0.121

# Copper Pancake Coil

**ARUKI**<sup>®</sup>

C0102 to C0107 - Series

Annealed Copper Coils

For Air Conditioning and  
Refrigeration Grade Seamless  
Copper Coils



Code No.	Thickness		Weight/pc (kg)	Carton/pcs	OD	
	(swg)	(mm)			inch	mm
<b>C0102 - Series</b>						
C010251	25	0.51	1.25	12	1/4"	6.35mm
C010256	24	0.56	1.36			
C010261	23	0.61	1.47			
C010271	22	0.71	1.68			
C010281	21	0.81	1.88			
<b>C0103 - Series</b>						
C010351	25	0.51	1.93	9	3/8"	9.53mm
C010356	24	0.56	2.11			
C010361	23	0.61	2.28			
C010371	22	0.71	2.63			
C010381	21	0.81	2.96			
<b>C0104 - Series</b>						
C010451	25	0.51	2.61	7	1/2"	12.70mm
C010456	24	0.56	2.86			
C010461	23	0.61	3.10			
C010471	22	0.71	3.58			
C010481	21	0.81	4.04			
<b>C0105 - Series</b>						
C010561	23	0.61	3.91	5	5/8"	15.88mm
C010571	22	0.71	4.52			
C010581	21	0.81	5.13			
<b>C0106 - Series</b>						
C010661	23	0.61	4.72	3	3/4"	19.05mm
C010671	22	0.71	5.47			
C010681	21	0.81	6.21			
<b>C0107 - Series</b>						
C010761	23	0.61	5.54	3	7/8"	22.23mm
C010771	22	0.71	6.42			
C010781	21	0.81	7.29			

# Manifold Set & Charging Hose

**ARUKI**<sup>®</sup>

## MANIFOLD SET WITH 36" CHARGING HOSE



Sight glass- Possible to assess the condition of the refrigerant



Metal knob- Durable and able to withstand dropping

Code	Protective Cover	Meter Surface	Application
T020208		Flat	R410A/ R22/ R134A/ R404A. 500-2500PSI
T020209		Arch	R410A/ R22/ R134A/ R407C. 500-2500PSI



## ARUKI<sup>®</sup> Manifold Set with Carrying Case + Accessories

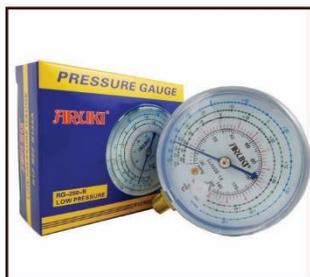
**T020351**  
Aluminium Manifold Set with Carrying Case  
60" C/Lines, QC-LH, Stem Remover  
for R134a

## ARUKI<sup>®</sup> Charging Hose

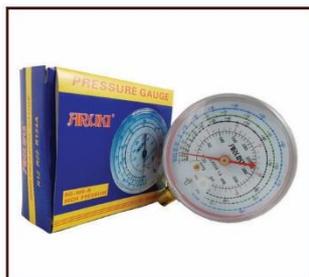
Code No.	Model	PSI	Refrigerant	Length
T020136	CT-336RYB	500 ~ 2500	R22	36"
T020160	CT-360RYB			60"
T020172	CT-372RYB			72"
T020253	CT-336RYB	600 ~ 3000	R134a	36"
T020256	CT-360RYB			60"
T020257	CT-372RYB			72"
T020403	CT-336RYB	800 ~ 4000	R410a	36"
T020406	CT-360RYB			60"
T020407	CT-372RYB			72"



# Gauges & Valves, Flare Nuts & Union



**T020203**  
BG-250-B-Low  
Single gauge for  
R12/R22/R134a



**T020204**  
RG-500-R-High  
Single gauge for  
R12/R22/R134a



**T020205**  
Blue/Low Gauge  
(Aruki RG-250-B)  
R12/R22/R134a/R502



**T020206**  
Red/High Gauge  
(Aruki RG-500-R)  
R12/R22/R134a/R502



**T020423**  
BG-500-A-Low  
Single gauge with rubber  
protective boots for  
R410a/R22/R134a/R404a



**T020424**  
RG-800-A-High  
Single gauge with rubber  
protective boots for  
R410a/R22/R134a/R404a



**T120303**  
QC-12LH for R134a  
Quick Coupler



**T120305**  
QC-LH for R134a  
Quick Coupler



**T120311/12**  
CT-466/CT-466B  
Gauge valve with metal/plastic knob



**T120340**  
CH-338  
Can Tap Valve  
for R134a



**T120341**  
CH-339  
Can Tap Valve  
for R134a



**T120342**  
CH-340  
Can Tap Valve  
for R134a



**T120344**  
CH-341  
Can Tap Valve  
for R600a



**T130302**  
OD 1/4" x ID 5/16"  
Adapter for R410a

## Flare nut & union



Flare nut		Union	
Code	Size	Code	Size
T130101	1/4"	T130201	OD 1/4"
T130102	5/16"	T130202	OD 5/16"
T130103	3/8"	T130203	OD 3/8"
T130104	1/2"	T130204	OD 1/2"
T130105	5/8"	T130205	OD 5/8"
T130106	3/4"	T130206	OD 3/4"

# Tools



**T050113**

Pipe Insulation Foam Tape  
(3mm x 50mm x 9140mm)



**T050208**

Adhesive PVC Tape  
(0.15MM X 45MM X 8M)



**T120321**

CT-195 (45°)  
Flares: 1/2", 7/16", 5/16", 1/4",  
3/16", 3/8", 5/8"



**T120323**

CT-275B (45°)  
Flaring & Swaging  
Flares: 1/8" - 3/4"  
Swages: 3/16" - 3/4"



**T120324**

CT-278 (45°)  
Flaring & Swaging  
Flares: 1/8" - 3/4"  
Swages: 3/16" - 3/4"



**T120327**

CT-N806A  
Flaring Tool  
Eccentric Cone



**T120330**

CT-1104  
Capillary Tube Cutter



**T120331**

CT-127  
Pipe Cutter  
(OD: 1/8" ~ 5/8")



**T120332**

CT-274  
Pipe Cutter  
(OD: 1/8" ~ 1 1/8")



**T120334**

CT-128  
Pipe Cutter  
(OD: 1/8" ~ 7/8")



**T120343**

BVP-31  
Clamp on Tapping Valve  
(1/4", 5/16", 3/8")



**T120351**

CT-201  
B Pinch Off Pliers



**T120368**

CN-N369A  
Tube Bender 3 in 1  
180°



**T120385**

HT-1S6  
Hand Torch



**C511332**

BCup-2  
1.3 x 3.2 x 500mm



**YACC100**

Air Conditioner  
Cleaning Cover  
(100x69x56cm)

# Recovery / Reclaimer Unit

**ARUKI**<sup>®</sup>

T060112 (VRR12A)



- Oil filled pressure gauge
- Self-clearing valve, purge “on the fly”
- Recovers all commonly used refrigerants (CFC, HCFC, HFC including R410A)
- Economic Recovery Workhorse

**\* Allows cost savings from re-cycling and re-using of gas recovered by the machine!**

## SPECIFICATION

<b>Refrigerant Class</b>	<b>CAT III</b>	<b>R12 , R134a , R401C , R406A , R500</b>	
	<b>CAT IV</b>	R22 , R401A , R401B , R402B , R407C , R407D , R408A , R409A , R411A , R411B , R412A , R502 , R509	
	<b>CAT V</b>	R402A , R404A , R407A , R407B , R410A , R507	
<b>Power Supply</b>	220-240VAC , 50/60Hz		
<b>Motor</b>	1/2HP		
<b>Motor Speed</b>	1450RPM @ 50Hz / 1750RPM @ 60Hz		
<b>Max. Current Draw</b>	8A @ 60Hz	4A @ 50Hz / 4.8A @ 60Hz	
<b>Compressor Type</b>	“Oil-Less” air cooled		
<b>High Pressure Shut-Off</b>	38.5 bar / 3850k Pa (558psi)		

## REFRIGERANT RECOVERY RATE

<b>Recovery Rate (kg / min)</b>	<b>* Refrigerant Class</b>	<b>CAT III</b>	<b>CAT IV</b>	<b>CAT V</b>
	<b>Vapor</b>	0.23 kg / min	0.25 kg / min	0.26 kg / min
	<b>Liquid</b>	1.57 kg / min	1.81 kg / min	1.85 kg / min
	<b>Push/Pull</b>	4.64 kg / min	5.57 kg / min	6.22 kg / min
<b>Operating Temp.</b>	0 deg C – 40 deg C			
<b>Dimensions</b>	500 mm (L) x 220 mm (W) x 340 mm (H)			
<b>Net Weight</b>	16kg			

# Vacuum Pump

**ARUKI**<sup>®</sup>

T0101 - Series (Single Stage)



## SPECIFICATION

Code No.	T010102	T010101	T010104	T010103	T010106	T010105	T010108	T010107
<b>Model</b>	VP-1C-2	VP-1C-1	VP-1.5A-2	VP-1.5A-1	VP-2B-2	VP-2B-1	VP-3B-2	VP-3B-1
<b>Voltage</b>	220V	110V	220V	110V	220V	110V	220V	110V
<b>Frequency</b>	50/60Hz	60Hz	50/60Hz	60Hz	50/60Hz	60Hz	50/60Hz	60Hz
<b>Flow Rate (CFM)</b>	1.8	2.0	3.5	4.0	6.0	7.0	8.0	9.0
<b>L/MIN</b>	50	56	100	114	170	198	226	254
<b>Ultimate (Pa)</b>	2		2		2		2	
<b>Vacuum (Microns)</b>	150		150		150		150	
<b>Capacity factor (W)</b>	135		160		180		370	
<b>Motor</b>	1/4HP		1/3HP		1/2HP		3/4HP	
<b>Intake Port</b>	1/4		1/4		1/4 & 3/8		1/4 & 3/8	
<b>Oil Capacity</b>	250ml		250ml		415ml		600ml	
<b>Dimension</b>	290x110x240mm		315x120x240mm		336x123x255mm		385x140x280mm	
<b>Net Weight</b>	6.6kg		8.0kg		9.9kg		14.6kg	

# Vacuum Pump

**ARUKI®**

T0102 - Series (Double Stage)



## SPECIFICATION

Code No.	T010202	T010201	T010204	T010203	T010206	T010205	T010208	T010207	
Model	VP2-0.5B-2	VP2-0.5B-1	VP2-1B-2	VP2-1B-1	VP2-2B-2	VP2-2B-1	VP2-3B-2	VP2-3B-1	VP2-4B-2
Voltage	220V	110V	220V	110V	220V	110V	220V	110V	220V
Frequency	50/60Hz	60Hz	50/60Hz	60Hz	50/60Hz	60Hz	50/60Hz	60Hz	50/60Hz
Flow Rate (CFM)	1.5	1.8	2.5	3.0	4.5	5.0	6.0	7.0	8.0
L/MIN	42	50	70	84	128	142	170	198	226
Ultimate (Pa)	2x10 <sup>-1</sup>		2x10 <sup>-1</sup>		2x10 <sup>-1</sup>		2x10 <sup>-1</sup>		2x10 <sup>-1</sup>
Vacuum (Microns)	15		15		15		15		15
Capacity factor (W)	160		180		250		370		
Motor	1/4HP		1/3HP		1/2HP		3/4HP		1HP
Intake Port	1/4		1/4		1/4 & 3/8		1/4 & 3/8		1/4 & 3/8
Oil Capacity	200ml		200ml		325ml		580ml		500ml
Dimension	308x124x224mm		318x124x234mm		338x138x244mm		395x145x257mm		395x145x257mm
Net Weight	7.5kg		8.5kg		10.4kg		15.8kg		16.2kg

# Digital Clamp Meter

**ARUKI**<sup>®</sup>

T030101 (ACE-01)

**True-RMS Digital Clamp Meter**

Comes with a set of test leads,  
2pcs of AAA battery, user manual  
and carry bag

**Measurement for:**

- Temperature
- Resistance Ohm
- Ampere
- Voltage
- Capacitance

**Features:**

- Portable and light
- NCV detector
- LCD with backlight
- LED flash light



**Scan QR code to watch video demo**



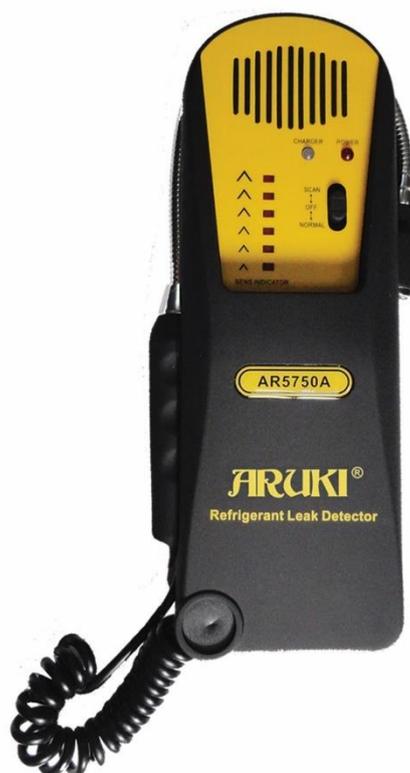
Specification	Range		Accuracy
DC Voltage	600mV/6V/60V/600V		± (0.5%+5)
AC Voltage	6V/60V/600V		± (0.8%+5)
AC Current	6A/60A/600A		± (2.5%+5)
Resistance	600Ω/6kΩ/60kΩ/600kΩ/6mΩ/60mΩ		± (1.0%+2)
Capacitance	10nF/100nF/1uF/10uF/100uF/1000uF/10mF/100mF		± (4.0%+5)
Frequency	50Hz/500Hz/5kHz/50kHz/100kHz		± (1.0%+2)
Duty Cycle	1%-99%		± (3.0%+2)
Temperature (°C)	-20°C ~ 1000°C		± (2.0%+2)
Features			
Tapered Jaws with hook tip	✓	NCV detector	✓
Data hold	✓	Back light	✓
Flash light	✓	Auto power off	✓
Diode test	✓	Safety Rating	CE CAT.III600V RoHs
Continuity	✓	Power source	1.5V (AAA) x2 Batteries

# Refrigerant Leak Detector

**ARUKI**<sup>®</sup>

T030312 (AR5750A)

Comes with a charger for the detector, a user manual and a tool box packaging



## SPECIFICATION

- Fast warm up time (90s) and response time is instantaneous
- Suitable for **all refrigerant gas** and the **sensitivity of the detector is adjustable**.
- Detects the intensity of the leakage level and the flexible probe can easily access any area.
- Use the high effective mechanical pump to decrease the reactive time (reduce response time).
- Has a 2000mAh rechargeable li-battery and is able **operate continuously up to 5 hours**.
- **LED light** to show low battery indication, analog quantity indication and alarm indication.

<b>Power Supply</b>	2000mAh, 3.7V Ni-MH rechargeable battery
<b>Auto Power Off</b>	Yes
<b>Operating Temperature</b>	0°C ~ 52°C (32°F ~ 125°F)
<b>Continuous Operation Time</b>	5 hours (varies slightly with different operations)
<b>Weight/Dimension</b>	411g/ (235 x 86 x 46) mm
<b>Measurement Gas</b>	Inflammable gas, refrigerant, halogen gas, etc.
<b>Sensitivity</b>	<= 5PPM/ for all halogen-based refrigerants
<b>Sensitivity Adjustable</b>	Yes
<b>Alarm Indication</b>	LED light
<b>Low Battery Indication</b>	
<b>Analog Quantity Indication</b>	
<b>Type of Sensor</b>	Semiconductor

# Digital Humidity & Temperature Meter



**ARUKI**  
T030316 (MS6508)



- Sensor
- Display screen
- Dew-point
- Wet-bulb
- Ambient temperature
- Data-holding
- Data-preserving
- Automatic power-off
- Power
- Max-Min
- Data recall
- Backlight
- Unit switch

## SPECIFICATION

Temperature	Relative Humidity
Range: -20 to 60°C (-4 to 140°F) Accuracy: ±0.5°C on 0 to 45°C ±1.0°C on -20 to 0°C, 45 to 60°C Resolution: 0.1°C/°F Update rate: 400ms Sensor type: high quality digital sensor (SHT75)	Range: 0 to 100% RH Accuracy: ±2.0% RH (10 to 90%) ±3.0% RH (0 to 10%, 90 to 100%) Update rate: 400ms Sensor type: high quality digital sensor (SHT75)
Wet Bulb Temperature	Dew Point Temperature
Range : -20 to 60°C (-4 to 140°F) Accuracy: ±0.5°C on 0 to 45°C ±1.0°C on -20 to 0°C, 45 to 60°C Resolution: 0.1°C/°F Update rate: 400ms	Range : -50 to 60°C (-58 to 140°F) Accuracy: ±0.5°C on 0 to 45°C ±1.0°C on -50 to 0°C, 45 to 60°C Resolution: 0.1°C/°F Update rate: 400ms

Power	4 each AAA batteries, 24A, LR03
Battery Life	200 hours
Weight	190g with batteries
Dimensions	184mm×60mm×29mm
Auto Power off	√
Manual Data Memory and Recall (99 samples)	√

# Digital Humidity & Temperature Meter

## **ARUKI** T030317 (AR837)



Features :	Specifications :
Large LCD Dual Display Humidity & Temperature Measuring Humidity & Temperature Max/Min Measuring Data Hold °C/°F selectable Low Battery Indication No Operation 15 minutes Auto Power Off External DC 9V Power	Temperature Range: -10°C to 50°C Relative Humidity Range: 5.0%RH to 98% RH Accuracy : Temperature: +- 1.5°C Relative Humidity: +-3.0%RH (in 25°C, 40 to 80%RH) +-5%RH (in 25°C, 10 to 40%RH, 80 to 95%RH) Resolution: 0.1°C/°F; 0.1%RH Sampling Rate: 2.5 times/sec Power Supply: 9V Battery Operating Conditions: -10°C to 50°C (32°F to 122°F) <80%RH non-condensing Storage Conditions: -10°C to 50°C (32°F to 122°F) 0%RH to 90%RH

# Digital IR Thermometer

**ARUKI**<sup>®</sup>

T030321 IR THERMOMETER

(AR 320+)



## SPECIFICATION

Power Supply	2 x AAA battery	Resolution	0.1°C, 0.1°F
Battery Life (Alkaline)	Laser Models 12 hours	Ambient Operating Range	0°C ~ 40°C (32°F ~ 104°F)
Display	Color LCD	Relative Humidity	10% - 95% RH
Storage Temperature	-20°C ~ 60°C (-4°F ~ 104°F)	Distance Spot Ratio	12:1
Weight / Dimension	130g / (14.6 x 0.8 x 3.8) cm	Spectral Response	8 - 14µm
Temperature Range	-32°C ~ 380°C (-26°F ~ 716°F)	Emissivity	0.95 (pre-set)
Accuracy	± 2°C or 2%	Laser	ON / OFF

**ARUKI**<sup>®</sup>

BRINGING HUMANITY FORWARD

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