R404A /R507

2. Compressors Catalogue

R404A | R507 (*) LBP 50 Hz

GREEN COOLING

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY I °C COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											-25			-23,3			
									-40	-30	W	COP	-10	kcal/h	COP	Kg	
MLY40AAa	4.02	1/7	LBP	S	220-240V 50Hz ~1	RSIR	P	C	45	95	**130**	**0.89**	271	**166**	**1.25**	10.1	Lb
MLY40AAb	4.02	1/7	LBP	S	220-240V 50Hz ~1	RSCR	P	C	45	95	**130**	**0.94**	271	**166**	**1.32**	10.1	Lb
MLY45LAa	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	61	118	**158**	**0.92**	318	**200**	**1.30**	9.9	Lc
MLY45LAb	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	61	118	**158**	**0.98**	318	**200**	**1.38**	9.9	Lc
MLY50AAa	5.11	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	65	131	**174**	**0.88**	344	**220**	**1.23**	10.5	Lb
MLY50AAb	5.11	1/6	LBP	S	220-240V 50Hz ~1	RSCR	P	C	65	131	**174**	**0.93**	344	**220**	**1.31**	10.5	Lb
MLY60LAa	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	87	169	**222**	**0.90**	430	**280**	**1.26**	10.3	Lc
MLY60LAb	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	87	169	**222**	**0.97**	430	**280**	**1.36**	10.3	Lc
MLY80LAa	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	104	208	**276**	**0.91**	550	**350**	**1.28**	11.6	Ld
MLY80LAb	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	104	208	**276**	**0.98**	550	**350**	**1.38**	11.6	Ld
MLY90LAa	9.09	1/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	121	236	**313**	**0.91**	614	**395**	**1.28**	11.9	Ld
MLY90LAb	9.09	1/3	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	121	236	**313**	**0.98**	614	**395**	**1.38**	11.9	Ld
MPT12LA	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	194	348	**453**	**1.01**	876	**570**	**1.42**	13.0	Pd
MPT14LA	14.32	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	243	420	**535**	**0.99**	988	**670**	**1.38**	13.4	Pd

R404A | R507 (*) LBP 60 Hz

GREEN COOLING

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY I °C COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
									Cecomaf (W)					Ashrae			
											-25			-23,3			
									-40	-30	W	COP	-10	kcal/h	COP	Kg	
MLT50AD	5.11	1/5	LBP	S	115V 60Hz ~1	RSCR	P	C	75	155	**210**	**1.01**	438	**268**	**1.42**	9.6	Lc
MLT50ADb	5.11	1/5	LBP	F	115V 60Hz ~1	CSR	R	C	75	155	**210**	**1.01**	438	**268**	**1.42**	9.6	Lc
MLT50ADc	5.11	1/5	LBP	S	115V 60Hz ~1	CSR	R	C-V	75	155	**210**	**1.01**	438	**268**	**1.42**	9.6	Lc
MLT50LD	5.11	1/5	LBP	F	115V 60Hz ~1	CSR	R	C-V	75	155	**210**	**1.01**	438	**268**	**1.42**	9.5	Lc
MLY60LDa	5.98	1/5	LBP	F	115V 60Hz ~1	CSIR	R	C-V	102	198	**260**	**0.89**	503	**328**	**1.25**	10.3	Lc
MLY60LDb	5.98	1/5	LBP	F	115V 60Hz ~1	CSR	R	C-V	102	198	**260**	**0.95**	503	**328**	**1.34**	10.3	Lc
MLT90LD	9.09	1/4	LBP	F	115V 60Hz ~1	CSR	R	C-V	160	285	**375**	**0.99**	753	**474**	**1.40**	10.3	Ld
MLT90CD	9.09	1/3	LBP	F	115V 60Hz ~1	RSCR	P	C	165	291	**383**	**1.03**	773	**485**	**1.45**	10.3	Ld
MLT90CDb	9.09	1/3	LBP	F	115V 60Hz ~1	CSR	R	C-V	160	285	**375**	**0.99**	753	**474**	**1.40**	10.3	Ld
MLT90CDc	9.09	1/3	LBP	S	115V 60Hz ~1	CSR	R	C-V	160	285	**375**	**0.99**	753	**474**	**1.40**	10.3	Ld
MPT12LD	12.10	3/8	LBP	F	115V 60Hz ~1	CSR	R	C-V	226	398	**516**	**1.01**	996	**650**	**1.41**	11.5	Pd
MPT12CD	12.10	3/8	LBP	F	115V 60Hz ~1	RSCR	P	C	226	398	**516**	**1.01**	996	**650**	**1.41**	11.5	Pd
MPT12CDb	12.10	3/8	LBP	F	115V 60Hz ~1	CSR	R	C-V	226	398	**516**	**1.01**	996	**650**	**1.41**	11.5	Pd

Green Cooling Models

(*) Or R407B R404A: W (A) x 1.17 = kcal/h (B) W x 0.86 = kcal /h R404A: W (C) x 1.02 = kcal/h (D)

R404A | R507 (*) HMBP | HBP 50 Hz

GREEN COOLING

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY I °C COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
										Cecomaf (W)					Ashrae			
										-25	-15	5 W	5 COP	10	7,2 kcal/h	7,2 COP		
	MLY60RAa	5.98	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	212	346	**766**	**1.77**	902	**825**	**2.15**	10.5	Lc
	MLY60RAb	5.98	1/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	212	346	**766**	**1.93**	902	**825**	**2.36**	10.5	Lc
	MLY80RAa	8.10	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	282	463	**1055**	**1.86**	1250	**1140**	**2.27**	10.2	Ld
	MLY80RAb	8.10	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	282	463	**1055**	**2.02**	1250	**1140**	**2.46**	10.2	Ld
	MLY90RAa	9.09	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	317	512	**1132**	**1.75**	1334	**1220**	**2.13**	11.3	Ld
	MLY90RAb	9.09	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	317	511	**1136**	**1.92**	1340	**1225**	**2.34**	11.3	Ld

R404A | R507 (*) HMBP | HBP 60 Hz

GREEN COOLING

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY I °C COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
										Cecomaf (W)					Ashrae			
										-25	-15	5 W	5 COP	10	7,2 kcal/h	7,2 COP		
	MLY60RDa	5.98	1/4	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	252	411	**905**	**1.73**	1065	**975**	**2.10**	11.0	Lc
	MLY60RDb	5.98	1/4	HMBP	F	115V 60Hz ~1	CSR	R	C-V	252	411	**905**	**1.86**	1065	**975**	**2.27**	11.0	Lc
	MLY80RDa	8.10	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	330	543	**1232**	**1.77**	1457	**1330**	**2.15**	11.2	Ld
	MLY80RDb	8.10	3/8	HMBP	F	115V 60Hz ~1	CSR	R	C-V	330	543	**1232**	**1.83**	1457	**1330**	**2.22**	11.2	Ld

Green Cooling Models

(*) Or R407B R404A: W (A) x 1.17 = kcal/h (B) W x 0.86 = kcal /h R404A: W (C) x 1.02 = kcal/h (D)

R404A | R507 (*) LBP 50 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY I °C COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
										Cecomaf (W)					Ashrae			
												-25			-23,3			
										-40	-30	W	COP	-10	kcal/h	COP		
	MLY40AAa	4.02	1/7	LBP	S	220-240V 50Hz ~1	RSIR	P	C	45	95	**130**	**0.89**	271	**166**	**1.25**	10.1	Lb
	MLY40AAb	4.02	1/7	LBP	S	220-240V 50Hz ~1	RSCR	P	C	45	95	**130**	**0.94**	271	**166**	**1.32**	10.1	Lb
	MLY45LAa	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	61	118	**158**	**0.92**	318	**200**	**1.30**	9.9	Lc
	MLY45LAb	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	61	118	**158**	**0.98**	318	**200**	**1.38**	9.9	Lc
	ML45FB	4.56	1/6	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	52	100	**134**	**0.66**	275	**170**	**0.94**	9.9	Lb
	ML45FG	4.56	1/6	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	52	100	**134**	**0.68**	275	**170**	**0.96**	10.3	Lc
	MLY50AAa	5.11	1/6	LBP	S	220-240V 50Hz ~1	RSIR	P	C	65	131	**174**	**0.88**	344	**220**	**1.23**	10.5	Lb
	MLY50AAb	5.11	1/6	LBP	S	220-240V 50Hz ~1	RSCR	P	C	65	131	**174**	**0.93**	344	**220**	**1.31**	10.5	Lb
	MLY60LAa	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	87	169	**222**	**0.90**	430	**280**	**1.26**	10.3	Lc
	MLY60LAb	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	87	169	**222**	**0.97**	430	**280**	**1.36**	10.3	Lc
	ML60FB	5.98	1/5	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	69	134	**178**	**0.71**	352	**225**	**1.01**	10.2	Lc
	ML60FG	5.98	1/5	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	69	134	**178**	**0.71**	352	**225**	**1.01**	10.3	Lc
	MLY80LAa	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	104	208	**276**	**0.91**	550	**350**	**1.28**	11.6	Ld
	MLY80LAb	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	104	208	**276**	**0.98**	550	**350**	**1.38**	11.6	Ld
	ML80FB	8.10	1/4	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	100	190	**253**	**0.78**	507	**320**	**1.09**	10.0	Lc
	ML80FG	8.10	1/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	100	190	**253**	**0.77**	507	**320**	**1.08**	11.3	Ld
	MLY90LAa	9.09	1/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	121	236	**313**	**0.91**	614	**395**	**1.28**	11.9	Ld
	MLY90LAb	9.09	1/3	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	121	236	**313**	**0.98**	614	**395**	**1.38**	11.9	Ld
	ML90FB	8.86	1/3	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	104	208	**276**	**0.83**	550	**350**	**1.16**	10.1	Ld
	ML90FG	8.86	1/3	LBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	104	208	**276**	**0.80**	550	**350**	**1.13**	11.3	Ld
	MPT12LA	12.10	3/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	194	348	**453**	**1.01**	876	**570**	**1.42**	13.0	Pd
	MPT14LA	14.32	1/2	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	243	420	**535**	**0.99**	988	**670**	**1.38**	13.4	Pd
	MP12FB	12.05	3/8	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	104	252	**351**	**0.83**	747	**450**	**1.16**	12.0	Pd
	MP12FG	12.05	3/8	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	104	252	**351**	**0.82**	747	**450**	**1.16**	12.7	Pd
	MP14FB	14.17	1/2	LBP	F	220-240V 50Hz ~1	CSIR	R	C-V	121	304	**422**	**0.80**	880	**540**	**1.12**	13.9	Pd
	MP14FG	14.17	1/2	LBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	121	304	**422**	**0.80**	880	**540**	**1.12**	13.0	Pd
	MX18FBa	18.40	5/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	174	397	**548**	**0.96**	1151	**700**	**1.36**	16.0	Xd
	MX21FBa	20.72	3/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	213	464	**632**	**0.96**	1301	**805**	**1.35**	16.0	Xd
	MX21FG	20.72	3/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	213	464	**632**	**0.96**	1301	**805**	**1.35**	16.2	Xd
	MX23FB	23.20	7/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	260	536	**720**	**0.96**	1460	**915**	**1.35**	16.4	Xd
	MX23FG	23.20	7/8	LBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	260	536	**720**	**0.95**	1460	**915**	**1.34**	17.8	Xd
	MS26FB	25.93	3/4	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	182	572	**816**	**0.97**	1744	**1050**	**1.37**	22.6	Sd
	MS26FG	25.93	3/4	LBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	174	550	**779**	**0.96**	1632	**1000**	**1.35**	22.6	Sd
	MS26F3	25.93	3/4	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	174	550	**779**	**0.96**	1632	**1000**	**1.35**	20.8	Sd
	MS30FB	29.95	7/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	208	657	**935**	**0.95**	1977	**1201**	**1.35**	22.7	Sd
	MS30FBc	29.95	7/8	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	208	657	**935**	**0.95**	1977	**1201**	**1.35**	22.7	Sd
	MS30F3	29.95	7/8	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	208	657	**934**	**0.93**	1976	**1200**	**1.32**	24.0	Sd
	MS34FB	34.42	1	LBP	F	220V 50Hz ~1	CSR	R	C-V	243	764	**1089**	**0.96**	2319	**1400**	**1.35**	22.7	Sd
	MS34FBb	34.42	1	LBP	F	220-240V 50Hz ~1	CSR	R	C-V	243	764	**1089**	**0.96**	2319	**1400**	**1.35**	22.7	Sd
	MS34F3	34.42	1	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	243	764	**1089**	**1.00**	2319	**1400**	**1.40**	22.9	Sd

Green Cooling Models
New Model

(*) Or R407B R404A: W (A) x 1.17 = kcal/h (B) W x 0.86 = kcal /h R404A: W (C) x 1.02 = kcal/h (D)

R404A | R507 (*) LBP 60 Hz

	MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY I °C COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT	DESIGN
										Cecomaf (W)					Ashrae			
										-40	-30	-25 W	-25 COP	-10	-23,3 kcal/h	-23,3 COP	Kg	
	ML45FR	4.56	1/6	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	61	118	**157**	**0.72**	322	**200**	**1.01**	10.3	Lc
	ML45FG	4.56	1/6	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	61	118	**157**	**0.69**	322	**200**	**0.97**	10.3	Lc
	MLT50AD	5.11	1/5	LBP	S	115V 60Hz ~1	RSCR	P	C	75	155	**210**	**1.01**	438	**268**	**1.42**	9.6	Lc
	MLT50ADb	5.11	1/5	LBP	F	115V 60Hz ~1	CSR	R	C	75	155	**210**	**1.01**	438	**268**	**1.42**	9.6	Lc
	MLT50ADc	5.11	1/5	LBP	S	115V 60Hz ~1	CSR	R	C-V	75	155	**210**	**1.01**	438	**268**	**1.42**	9.6	Lc
	MLT50LD	5.11	1/5	LBP	F	115V 60Hz ~1	CSR	R	C-V	75	155	**210**	**1.01**	438	**268**	**1.42**	9.5	Lc
	MLY60LDa	5.98	1/5	LBP	F	115V 60Hz ~1	CSIR	R	C-V	102	198	**260**	**0.89**	503	**328**	**1.25**	10.3	Lc
	MLY60LDb	5.98	1/5	LBP	F	115V 60Hz ~1	CSR	R	C-V	102	198	**260**	**0.95**	503	**328**	**1.34**	10.3	Lc
	ML60FR	5.98	1/5	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	82	157	**208**	**0.72**	412	**263**	**1.01**	11.0	Lc
	ML60FG	5.98	1/5	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	82	157	**208**	**0.70**	412	**263**	**0.99**	10.3	Lc
	ML80FR	8.10	1/4	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	117	224	**297**	**0.75**	593	**376**	**1.05**	11.3	Ld
	ML80FG	8.10	1/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	117	224	**297**	**0.76**	593	**376**	**1.07**	11.3	Ld
	MLT90LD	9.09	1/4	LBP	F	115V 60Hz ~1	CSR	R	C-V	160	285	**375**	**0.99**	753	**474**	**1.40**	10.3	Ld
	MLT90CD	9.09	1/3	LBP	F	115V 60Hz ~1	RSCR	P	C	165	291	**383**	**1.03**	773	**485**	**1.45**	10.3	Ld
	MLT90CDb	9.09	1/3	LBP	F	115V 60Hz ~1	CSR	R	C-V	160	285	**375**	**0.99**	753	**474**	**1.40**	10.3	Ld
	MLT90CDc	9.09	1/3	LBP	S	115V 60Hz ~1	CSR	R	C-V	160	285	**375**	**0.99**	753	**474**	**1.40**	10.3	Ld
	ML90FR	8.86	1/3	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	121	243	**324**	**0.79**	644	**410**	**1.11**	11.3	Ld
	ML90FG	8.86	1/3	LBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	121	243	**324**	**0.80**	644	**410**	**1.12**	11.3	Ld
	MPT12LD	12.10	3/8	LBP	F	115V 60Hz ~1	CSR	R	C-V	226	398	**516**	**1.01**	996	**650**	**1.41**	11.5	Pd
	MPT12CD	12.10	3/8	LBP	F	115V 60Hz ~1	RSCR	P	C	226	398	**516**	**1.01**	996	**650**	**1.41**	11.5	Pd
	MPT12CDb	12.10	3/8	LBP	F	115V 60Hz ~1	CSR	R	C-V	226	398	**516**	**1.01**	996	**650**	**1.41**	11.5	Pd
	MP12FR	12.05	3/8	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	121	295	**411**	**0.81**	874	**527**	**1.15**	12.7	Pd
	MP12FG	12.05	3/8	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	121	295	**411**	**0.85**	874	**527**	**1.19**	12.7	Pd
	MP14FE	14.17	1/2	LBP	F	115V 60Hz ~1	CSIR	R	C-V	142	356	**494**	**0.77**	1030	**632**	**1.10**	13.0	Pd
	MP14FG	14.17	1/2	LBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	142	356	**494**	**0.82**	1030	**632**	**1.15**	13.0	Pd
	MX16FR	16.03	1/2	LBP	F	115-127V 60Hz ~1	CSIR	R	C-V	182	411	**564**	**0.84**	1177	**720**	**1.18**	15.6	Xc
	MX21FG	20.72	3/4	LBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	248	542	**738**	**0.94**	1520	**940**	**1.32**	16.2	Xd
	MX23FE	23.20	7/8	LBP	F	115V 60Hz ~1	CSR	R	C-V	299	607	**812**	**0.83**	1632	**1030**	**1.16**	15.0	Xd
	MX23FG	23.20	7/8	LBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	304	628	**846**	**0.94**	1718	**1075**	**1.32**	17.8	Xd
	MS26FF	25.93	3/4	LBP	F	208-230V 60Hz ~1	CSR	R	C-V	203	643	**912**	**0.92**	1910	**1170**	**1.30**	22.6	Sd
	MS26FG	25.93	3/4	LBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	203	643	**912**	**0.92**	1910	**1170**	**1.31**	22.6	Sd
	MS26F3	25.93	3/4	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	203	643	**912**	**0.92**	1910	**1170**	**1.31**	20.8	Sd
	MS30FF	29.95	7/8	LBP	F	208-230V 60Hz ~1	CSR	R	C-V	243	765	**1090**	**0.93**	2311	**1400**	**1.31**	22.7	Sd
	MS30FG	29.95	7/8	LBP	F	230V 60Hz ~1	CSR	R	C-V	243	765	**1090**	**0.96**	2311	**1400**	**1.36**	22.7	Sd
	MS30F3	29.95	7/8	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	243	765	**1090**	**0.94**	2311	**1400**	**1.32**	24.0	Sd
	MS34F3	34.42	1	LBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	278	887	**1267**	**0.96**	2706	**1630**	**1.35**	22.9	Sd

Green Cooling Models

(*) Or R407B R404A: W (A) x 1.17 = kcal/h (B) W x 0.86 = kcal /h R404A: W (C) x 1.02 = kcal/h (D)

R404A HMBP | HBP 50 Hz

MODEL	DISPLACEMENT cm³	POWER hp	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY I °C COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C							WEIGHT Kg	DESIGN
									Cecomaf (W)					Ashrae			
											5			7,2			
									-25	-15	W	COP	10	kcal/h	COP		
ML40TB	4.05	1/6	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	133	214	**473**	**1.43**	558	**510**	**1.74**	10.0	Lc
ML40TG	4.05	1/6	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	133	214	**473**	**1.43**	558	**510**	**1.74**	10.0	Lc
ML45TB	4.50	1/5	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	151	238	**528**	**1.49**	624	**570**	**1.82**	10.1	Lc
ML45TG	4.50	1/5	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	151	238	**528**	**1.49**	624	**570**	**1.82**	10.0	Lc
MLY60RAa	5.98	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	212	346	**766**	**1.77**	902	**825**	**2.15**	10.5	Lc
MLY60RAb	5.98	1/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	212	346	**766**	**1.93**	902	**825**	**2.36**	10.5	Lc
ML60TB	5.68	1/4	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	166	277	**647**	**1.53**	769	**700**	**1.85**	10.1	Lc
ML60TG	5.68	1/4	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	166	277	**647**	**1.53**	769	**700**	**1.85**	10.0	Lc
MLY80RAa	8.10	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	282	463	**1055**	**1.86**	1250	**1140**	**2.27**	10.2	Ld
MLY80RAb	8.10	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	282	463	**1055**	**2.02**	1250	**1140**	**2.46**	10.2	Ld
ML80TB	7.57	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	227	385	**880**	**1.63**	1040	**950**	**1.99**	11.4	Ld
ML80TG	7.57	3/8	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	227	385	**880**	**1.63**	1040	**950**	**1.99**	11.2	Ld
MLY90RAa	9.09	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	317	512	**1132**	**1.75**	1334	**1220**	**2.13**	11.3	Ld
MLY90RAb	9.09	3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	317	511	**1136**	**1.92**	1340	**1225**	**2.34**	11.3	Ld
ML90TB	8.86	3/8	HMBP	F	220-240V 50Hz ~1	CSIR	R	C-V	282	463	**1055**	**1.63**	1250	**1140**	**1.98**	11.6	Ld
ML90TG	8.86	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	282	463	**1055**	**1.63**	1250	**1140**	**1.98**	12.7	Ld
MP12RB	12.05	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	373	634	**1463**	**1.89**	1732	**1580**	**2.30**	13.5	Pd
MP12TG	12.05	1/2	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	373	634	**1463**	**1.85**	1732	**1580**	**2.25**	13.5	Pd
MP14RB	14.17	1/2	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	463	765	**1674**	**1.76**	1963	**1800**	**2.14**	13.5	Pd
MX16TB	16.03	3/4	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	484	818	**1880**	**1.76**	2225	**2030**	**2.15**	16.2	Xc
MX18TB	18.40	7/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	554	937	**2157**	**1.78**	2554	**2330**	**2.18**	16.0	Xd
MX18TG	18.40	7/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	554	937	**2157**	**1.78**	2554	**2330**	**2.18**	17.0	Xd
MX21TB	20.72	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	625	1052	**2425**	**1.77**	2873	**2620**	**2.15**	17.4	Xd
MX21TG	20.72	1	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	625	1052	**2425**	**1.77**	2873	**2620**	**2.15**	17.6	Xd
MS18T3	18.10	7/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	423	838	**2137**	**1.92**	2557	**2320**	**2.35**	20.0	Sc
MS22TB	21.75	1	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	453	972	**2566**	**2.04**	3077	**2789**	**2.50**	20.5	Sc
MS22T3	21.75	1	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	453	975	**2576**	**2.01**	3090	**2800**	**2.45**	20.0	Sc
MS26TB	25.93	1 3/8	HMBP	F	220-240V 50Hz ~1	CSR	R	C-V	675	1295	**3185**	**2.02**	3789	**3449**	**2.46**	23.0	Sd
MS26TG	25.93	1 3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	675	1295	**3186**	**2.02**	3791	**3451**	**2.46**	23.0	Sd
MS26T3	25.93	1 3/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	675	1295	**3186**	**2.01**	3791	**3451**	**2.45**	18.6	Sd
MS34TB	34.42	1 5/8	HBP	F	220-240V 50Hz ~1	CSR	R	C-V	1012	1860	**4231**	**1.92**	4959	**4551**	**2.30**	22.7	Sd
MS34T3	34.42	1 5/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	1007	1860	**4231**	**1.82**	4958	**4551**	**2.20**	22.8	Sd

Green Cooling Models

(*) Or R407B R404A: W (A) x 1.17 = kcal/h (B) W x 0.86 = kcal /h R404A: W (C) x 1.02 = kcal/h (D)

R404A HMBP | HBP 60 Hz

	MODEL	DISPLACEMENT	POWER	APPLICATION	COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY I ºC COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature ºC							WEIGHT	DESIGN
										Cecomaf (W)					Ashrae			
												5			7,2			
		cm^3	hp							-25	-15	W	COP	10	kcal/h	COP	Kg	
	ML40TG	4.05	1/6	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	156	250	**556**	**1.41**	657	**600**	**1.70**	10.0	Lc
	ML45TG	4.50	1/5	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	177	279	**618**	**1.44**	731	**667**	**1.74**	10.0	Lc
	MLY60RDa	5.98	1/4	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	252	411	**905**	**1.73**	1065	**975**	**2.10**	11.0	Lc
	MLY60RDb	5.98	1/4	HMBP	F	115V 60Hz ~1	CSR	R	C-V	252	411	**905**	**1.86**	1065	**975**	**2.27**	11.0	Lc
	ML60TG	5.68	1/4	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	194	325	**758**	**1.51**	901	**820**	**1.83**	10.0	Lc
	ML60TR	5.68	1/4	HMBP	F	115-127V 60Hz ~1	CSIR	R	C-V	194	325	**758**	**1.5**	901	**820**	**1.83**	10.0	Lc
	MLY80RDa	8.10	3/8	HMBP	F	115V 60Hz ~1	CSIR	R	C-V	330	543	**1232**	**1.77**	1457	**1330**	**2.15**	11.2	Ld
	MLY80RDb	8.10	3/8	HMBP	F	115V 60Hz ~1	CSR	R	C-V	330	543	**1232**	**1.83**	1457	**1330**	**2.22**	11.2	Ld
	ML80TG	7.57	3/8	HMBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	265	451	**1029**	**1.61**	1215	**1110**	**1.96**	11.2	Ld
	ML90TG	8.86	3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSIR	R	C-V	330	542	**1235**	**1.56**	1463	**1334**	**1.89**	12.7	Ld
	MP12TG	12.05	1/2	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	433	741	**1713**	**1.81**	2028	**1850**	**2.20**	13.5	Pd
	MX18TE	18.40	7/8	HMBP	F	115V 60Hz ~1	CSR	R	C-V	648	1095	**2523**	**1.64**	2989	**2726**	**2.00**	16.0	Xd
	MX18TG	18.40	7/8	HMBP	F	200-220/220-230V 50/60Hz ~1	CSR	R	C-V	648	1095	**2523**	**1.76**	2989	**2726**	**2.15**	17.0	Xd
	MX21TG	20.72	1	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	730	1217	**2799**	**1.74**	3318	**3026**	**2.12**	17.6	Xd
	MS18T3	18.10	7/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	494	976	**2487**	**1.85**	2976	**2700**	**2.25**	20.0	Sc
	MS22T3	21.75	1	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	530	1140	**3014**	**1.97**	3615	**3277**	**2.40**	20.0	Sc
	MS26TG	25.93	1 3/8	HMBP	F	200-220/230V 50/60Hz ~1	CSR	R	C-V	790	1516	**3729**	**1.96**	4436	**4038**	**2.37**	23.0	Sd
	MS26T3	25.93	1 3/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	790	1516	**3729**	**1.86**	4436	**4038**	**2.25**	18.6	Sd
	MS34T3	34.42	1 5/8	HMBP	F	400/440V 50/60Hz ~3	3PHASE	R	C-V	1179	2176	**4948**	**1.73**	5797	**5321**	**2.10**	22.8	Sd

Green Cooling Models

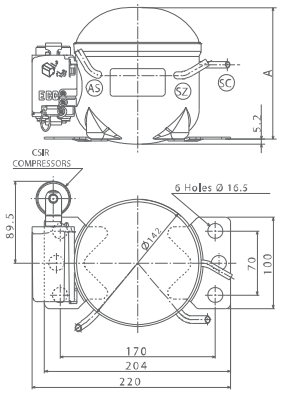
(*) Or R407B R404A: W (A) x 1.17 = kcal/h (B) W x 0.86 = kcal /h R404A: W (C) x 1.02 = kcal/h (D)

Testing cycle conditions	CECOMAF		ASHRAE	
	LBP (A)	HMBP (C)	LBP (B)	HMBP (D)
Condensing temperature	55		55	55
Liquid temperature	55		32	46
Suction temperature	32		32	35
Ambient temperature	32		32	35

F	OC	S	C	V	P	R
Fan cooled	Oil cooler	Static	Capillar and tube	Expansion valve	PTC	Relay

MS compressor's range can be provided with tube or valve

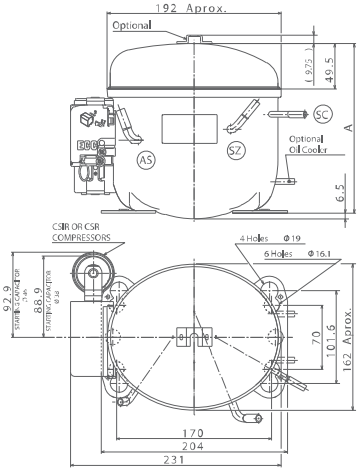
D Range



	A (mm)
Db	149.5
Dc	157.5
Dd	162.5

	LEGEND
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

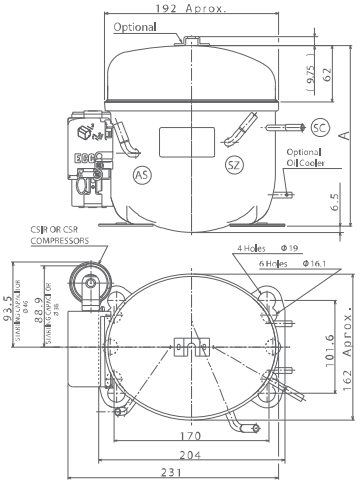
L Range



	A (mm)
Lb	175
Lc	185.6
Ld	198

	LEGEND
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

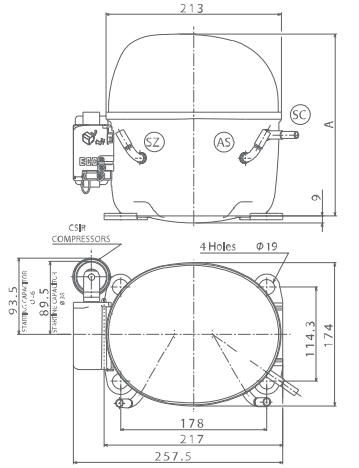
P Range



	A (mm)
Pc	198.1
Pd	210.5

	LEGEND
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

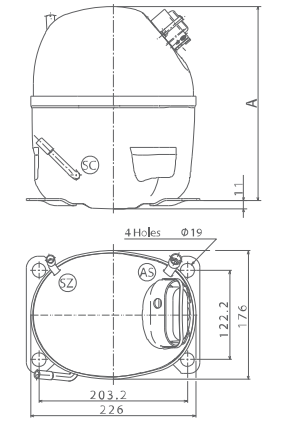
X Range



	A (mm)
Xc	215
Xd	221

	LEGEND
AS	Suction
SC	Discharge
SZ	Service

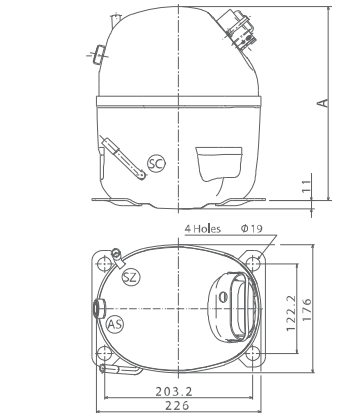
S Range (Tube)



	A (mm)
Sc	265
Sd	276

TUBE	
	LEGEND
AS	Suction
SC	Discharge
SZ	Service

S Range (Valve)



	A (mm)
Sc	265
Sd	276

TUBE	
	LEGEND
AS	Valve serv.
SC	Discharge
SZ	Service