



CATEGORY: REF AND FREEZERS
Tested Units as of December 2021

Rate: 9.744
(2018 Q1 Average Rate for ALL Meralco Residential Customers)

Brand	Capacity / Size	Description	Model	Est. Energy Consumption Per Use (kWh)	Est. Cost to Operate (Php)
American Home	9.0	Two-Door, Conventional	AHR-BF91SX	0.9840	9.59
American Home	5.3	Single Door, Conventional	ARSD-151	0.5405	5.27
American Home	7.0	Two-Door, Inverter	ARTM-INV717S	0.7703	7.51
American Home	20.0	Side-by-side, Inverter	AHR-SBS20INV	1.4017	13.66
Beko	8.1	Two-Door, Inverter	D54230N	1.5560	15.16
Beko	8.5	Two-Door, Inverter	D54270N	0.8990	8.76
Beko	10.5	Two-Door, Inverter	D60340N	1.2030	11.72
GE	8.5	Two Door, Conventional	GTV085KCBRSH	1.7430	16.98
GE	8.1	Two Door, Conventional	GMV080BAGRS	0.7482	7.29
GE	9.0	Two Door, Conventional	GMV090BAGRS	0.7186	7.00
Hanabishi	2.8	Two Door, Conventional	HAMDDREF-28	0.5540	5.40
Hitachi	17.3	Two-Door, Inverter	R-VG540PG7	0.9456	9.21
Hitachi	20.7	Side-by-side, Inverter	R-W660PG7	1.5790	15.39
LG	7.2	Two-Door, Inverter	GR-B202RLCL	0.8850	8.62
LG	9.6	Two-Door, Inverter	GR-B272SLCG	1.0970	10.69
LG	9.6	Two-Door, Inverter	GR-B272RLNL	1.0970	10.69
LG	11.8	Two-Door, Inverter	GR-B372RLCG	1.3190	12.85
LG	15.0	Two-Door, Inverter	GR-M432HLHL	1.2490	12.17
LG	15.5	Two-Door, Inverter	GR-M502HLHL	1.2340	12.02
LG	21.0	Two-Door, Inverter	GR-B207GLQV	1.5530	15.13
LG	7.2	Two-Door, Inverter	GR-B202SQBB	0.8181	7.97
LG	8.0	Two-Door, Inverter	GR-B222SQBB	0.8216	8.01
LG	11.0	Two-Door, Inverter	GR-B389SLCZ	0.7388	7.20



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LG	8.0	Two-Door, Inverter	GR-C222SLCN	0.9743	9.49
LG	9.6	Two-Door, Inverter	GR-C272SQC�N	0.7895	7.69
LG	11.8	Two-Door, Inverter	GR-C372SLCN	0.8044	7.84
LG	6.0	Single Door, Inverter	GR-V204SLBT	0.7706	7.51
LG	6.0	Single Door, Inverter	GR-Y201SLZB	0.4748	4.63
LG	7.0	Single Door, Inverter	GR-Y331SLZB	0.5988	5.83
LG	15.4	Two-Door, Inverter	GR-C432HLCN	0.9205	8.97
Mabe	1.5	Single Door, Personal Ref, Conventional	MAV2BAERSL	0.1790	1.74
Mabe	9.1	Two-Door, Inverter	ITV085ICERSG	0.9460	9.22
Mabe	9.1	Two Door, Conventional	MTV085ICERSG	1.5410	15.02
Mabe	9.7	Two-Door, Inverter	ITV095ICERSG	0.6780	6.61
Mabe	11.2	Two-Door, Inverter	ITV110ICERSG	0.8620	8.40
Mabe	12.1	Two-Door, Inverter	ITV120ICERSG	1.0110	9.85
Mabe	23.2	Side By Side, Inverter	ORGS2DBHFSS	1.8810	18.33
Samsung	7.0	Two Door, Top Freezer	RT2ASHMG	1.7592	17.14
Samsung	7.2	Two Door, Top Freezer, Inverter	RT20HAR1DSA	1.2960	12.63
Samsung	8.3	Two Door, Top Freezer, Inverter	RT22FAJBDSA	1.1304	11.01
Samsung	8.3	Two Door, Top Freezer, Inverter	RT22FAJBDSP	1.1304	11.01
Samsung	8.3	Two Door, Top Freezer, Inverter	RT22FARBDSP	1.1304	11.01
Samsung	8.3	Two Door, Top Freezer, Inverter	RT22FARBDUT	1.1304	11.01
Samsung	9.0	Two Door, Top Freezer, Inverter	RT25FARBDSA	1.2720	12.39
Samsung	9.0	Two Door, Top Freezer, Inverter	RT25FARBDSP	1.2720	12.39
Samsung	9.0	Two Door, Top Freezer, Inverter	RT25FARBDUT	1.2720	12.39
Samsung	10.2	Two Door, Bottom Freezer, Inverter	RB29FSNRDSA	1.8000	17.54
Samsung	10.2	Two Door, Bottom Freezer, Inverter	RB29FERNDSS	1.6392	15.97
Samsung	10.7	Two Door, Top Freezer, Inverter	RT29FAJBDSP	1.8096	17.63



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Samsung	11.4	Two Door, Top Freezer, Inverter	RT32FARCDSP	1.7568	17.12
Samsung	12.8	Two Door, Top Freezer, Inverter	RT35FDACDSP	1.6416	16.00
Samsung	13.6	Two Door, Top Freezer, Inverter	RT38FAUDDGL	1.8120	17.66
Samsung	15.5	Two Door, Top Freezer, Inverter	RT43H5201SL	1.4940	14.56
Samsung	16.7	Two Door, Top Freezer, Inverter	RT46HDRTNSL	2.5920	25.26
LG	24.0	Side By Side, Inverter	GR-B247SLUV	1.4210	13.85
Samsung	17.9	Two Door, Top Freezer, Inverter	RT50H6371SL	1.3900	13.54
Samsung	19.0	Side By Side, Inverter	RS554NRUASL	2.1470	20.92
Samsung	19.1	Side By Side, Inverter	RSA1VTSL1	1.9680	19.18
Samsung	19.2	Side By Side, Inverter	RS554NRUA1J	2.0352	19.83
Samsung	19.6	Side By Side, Inverter	RSA1STSL	1.8860	18.38
Samsung	21.4	Side By Side, Inverter	RH60H90207F	1.4960	14.58
Sharp	10.1	Two Door, Top Freezer, Inverter	SJ-FT11AV-SL	1.6824	16.39
Sharp	11.1	Two Door, Top Freezer, Inverter	SJ-FT12AV-SL	1.9632	19.13
Sharp	7.0	Two-Door, Inverter	SJ-FTS07AVS-SL	0.8697	8.47
Whirlpool	8.7	Two Door, Conventional	6WBI85 USS	1.2420	12.10
Whirlpool	14.3	Two Door, Conventional	6WBI150 USS	1.2510	12.19
Sanden	3.5	Chest Freezer, Conventional	SNH-0105	0.5576	5.43
Sanden	7.0	Chest Freezer, Conventional	SNH-0205	0.8954	8.72
Sanden	3.5	Chest Freezer, Conventional	SNG-0105	0.8089	7.88
Sanden	5.3	Chest Freezer, Conventional	SNH-0155	0.8245	8.03
Sanden	12.4	Chest Freezer, Conventional	SNH-0355	1.2317	12.00
Sanden	15.9	Chest Freezer, Conventional	SNH-0455	1.0415	10.15
Sanden	21.2	Chest Freezer, Conventional	SNH-0605	2.9738	28.98
Sanden	9.2	Chest Freezer, Conventional	SNH-0265	1.0816	10.54
Sanden	4.9	Chest Freezer, Conventional	SNC-0145	1.0020	9.76



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Sanden	9.9	Chest Freezer, Conventional	SNC-0285	1.9380	18.88
Sanden	12.4	Chest Freezer, Conventional	SNC-0355	2.7610	26.90
Sanden	7.1	Chest Freezer, Conventional	SNG-0255	1.3010	12.68
Sanden	11.3	Chest Freezer, Conventional	SNG-0325	2.1790	21.23
Sanden	17.7	Chest Freezer, Conventional	SNG-0505	3.2600	31.77
Sanden	17.7	Chest Freezer, Conventional	SNG-0505	3.2607	31.77
Sanden	14.1	Chest Freezer, Conventional	SNG-0405	3.1899	31.08
Sanden	21.2	Chest Freezer, Conventional	SNG-0605	3.5968	35.05
Sanden	15.2	Chest Freezer, Conventional	SNC-0435	2.6112	25.44
Sanden	18.2	Chest Freezer, Conventional	SNC-0515	2.6531	25.85
Sanden	16.8	Two Door, Conventional	BCD-436WBLGP	1.3454	13.11
Sanden	21.8	Four Door, Conventional	BCD-542WPB	1.4255	13.89
Sanden	20.1	Two Door Conventional	BCD-452WPB	1.4635	14.26
Sanden	22.5	Three Door, Conventional	BCD-552WPB	1.4054	13.69
Whirlpool	8.7	Two Door, Conventional	6WBN858 SV	0.9096	8.86
Whirlpool	5.3	Chest Freezer, Conventional	WHM60D6	0.9007	8.78
Whirlpool	7.1	Chest Freezer, Conventional	WHM80D6	1.3750	13.40
Whirlpool	10.6	Chest Freezer, Conventional	WHM110D6	1.3080	12.75
Whirlpool	21.3	Side By Side, Conventional	6WM24NIHAS	1.1060	10.78
Whirlpool	9.4	Two Door, Conventional	6WBN958 SV	0.8765	8.54
Whirlpool	15.5	Two Door, Conventional	6WBI160 USS	1.0396	10.13
Whirlpool	16.2	Two-Door, Inverter	6WVM 16 NIHGG	1.2695	12.37
Whirlpool	21.0	Two-Door, Inverter	6WS 21 NIHGG	1.1836	11.53
Whirlpool	21.0	Two-Door, Inverter	6WSP 21 NIHPG	1.1597	11.30
Whirlpool	9.4	Two Door, Conventional	6WBI95 USS	0.9780	9.53
Whirlpool	12.0	Two Door, Conventional	6WBI120 USS	0.9310	9.07



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Whirlpool	8.7	Two-Door, Conventional	6WBI858 USS	0.6639	6.47
Hisense	5.3	Single Door, Conventional	RS-20DR2S	0.3571	3.48
Hisense	6.2	Single Door, Conventional	RS-23DR2S	0.3921	3.82
Hisense	7.3	Two-Door, Inverter	RD-27WR2S	0.4837	4.71
Hisense	8.0	Two-Door, Inverter	RD-30WR2S	0.4816	4.69
Hisense	14.1	Two-Door, Inverter	RD-53WR2S	0.9417	9.18
Hisense	8.9	Two-Door, Inverter	RS-32WR2S	0.5091	4.96
Fujidenzo	5.7	Two Door, Conventional	RDD-60S	0.5693	5.55
Fujidenzo	5.8	Single Door, Conventional	RSD 60 PSL	0.3989	3.89
Fujidenzo	9.0	Two-Door, Inverter	IFR-19GD	1.4716	14.34
Fujidenzo	9.0	Side By Side, Inverter	ISR-20SS	1.3682	13.33
Fujidenzo	6.0	Two-Door, Conventional	RDD-70S	0.6129	5.97
Fujidenzo	1.8	Single Door, Conventional	RB-18HS	0.2513	2.45
GE	11.5	Two Door, Conventional	GMV130BAGRSG	1.0307	10.04
LG	22.1	Two-Door, Inverter	GR-B247SQUW	1.3767	13.41
LG	8.0	Two-Door, Inverter	GR-N222SQCN	0.7669	7.47
LG	7.0	Two-Door, Inverter	GR-Y331SLZB	0.4651	4.53
LG	24.0	Two-Door, Inverter	GR-B247SLUW	1.6251	15.84
LG	9.6	Two-Door, Inverter	GR-B272SQCB	0.7819	7.62
LG	20.8	Two-Door, Inverter	GR-M22FTLKL	1.5155	14.77
LG	8.0	Two-Door, Conventional	GC-269VL3	1.5920	15.51
LG	24.0	Two-Door, Inverter	GR-B247KQDV	1.9205	18.71
Sanden	3.5	Chest Freezer, Inverter	SNH-105i	0.4225	4.12
Sanden	5.3	Chest Freezer, Inverter	SNH-155i	0.5054	4.92
Sanden	7.0	Chest Freezer, Inverter	SNH-205i	0.6716	6.54



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American Home	6.50	Single Door, Inverter	ARSD-HINV6520S	0.3583	3.49
American Home	9.00	Two Door, Inverter	ARTM-HMINV19090S	0.5439	5.30
American Home	11.27	Two Door, Inverter	ARTM-HMINV19110S	0.6510	6.34
American Home	7.60	Two Door, Inverter	ARTM-HINV7618B	0.4523	4.41
American Home	9.50	Two Door, Inverter	ARTM-HINV9518B	0.4999	4.87
American Home	5.10	Chest Freezer, Non-Inverter	ACF-H195DF	0.5052	4.92
American Home	7.00	Chest Freezer, Non-Inverter	ACF-M720DF	0.9640	9.39
American Home	10.20	Chest Freezer, Non-Inverter	ACF-M1020DF	0.9786	9.54
American Home	5.50	Single Door, Inverter	ARSD-HINV5520S	0.2784	2.71
Beko	7.10	Two Door, Inveter, No Frost	RDNT200I20VS	0.8442	8.23
Beko	8.10	Two Door, Inveter, No Frost	RDNT231I50VS	0.8921	8.69
Beko	9.20	Two Door, Inveter, No Frost	RDNT251I50VZP	0.8531	8.31
Beko	12.70	Two Door, Non-Inverter	RDNT360I50VZP	1.0839	10.56
Beko	12.70	Two Door, Inverter, No Frost	RDNT360E20VZWB	1.2101	11.79
Beko	15.50	Two Door, Inveter, No Frost	RDNT440E50VZP	1.4698	14.32
Beko	9.50	Two Door, Inveter, No Frost	RDNT271I50VZWB	1.0752	10.48
Beko	13.20	Two Door, Inveter, No Frost	RDNT401E50VZGB	1.0643	10.37
Beko	13.20	Two Door, Inveter, No Frost	RDNT401E50VZK	1.0604	10.33



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Beko	7.00	Chest Freezer, Non-Inverter	CF200WPH	0.8608	8.39
Beko	3.50	Chest Freezer, Non-Inverter	CF100WPH	0.5986	5.83
Fujidenzo	4.40	DC Two Door	RDD-50S	0.8653	8.43
Fujidenzo	8.90	No Frost Inverter	INR-100S	0.7183	7.00
Fujidenzo	7.00	Two Door, Inverter	INR-82S	0.4843	4.72
Fujidenzo	8.10	Two Door, Inverter	IBM-90 SS	0.4494	4.38
Fujidenzo	7.10	Inverter	IFC-70GDF	0.6069	5.91
Fujidenzo	8.90	Inverter	IFC-90GDF	0.8197	7.99
Fujidenzo	7.10	Non-Inverter	FCG-70PDF SL2	1.6187	15.77
Fujidenzo	9.20	Non-Inverter	FCG-90PDF SL	1.3199	12.86
GE	9.30	Two Door, Non-Inverter	GTV105KGBRLS	1.5426	15.03
GE	10.50	Two Door, Non-inverter	GTV120KGBRLS	1.5426	15.03
Hisense	516L 18.3	Side by side Inverter	RC-67WS	1.4209	13.84
Hisense	3.20	Single Door, Non-Inverter	RS-12DR4S	0.3121	3.04
Hisense	5.00	Non-Inverter	FC-19DD2S	0.7149	6.97
Hisense	7.00	Non-Inverter	FC-26DD2S	0.8224	8.01
LG	10.80	2D Bottom Freezer	GR-B369NLRM	0.7555	7.36
LG	10.80	2D Bottom Freezer	GR-B369NQRM	0.7381	7.19
Mabe	6.80	Two Door, Non-Inverter	MMV070BAPRSG	0.8129	7.92
Mabe	11.20	Two Door, Non-Inverter, No Frost	MTV110ICERSG	1.0803	10.53
Mabe	12.50	Two Door, Non-Inverter, No Frost	MTV120ICERSG	1.8211	17.75
Mabe	9.70	Two Door, Non-Inverter, No Frost	MTV095ICERSG	1.4138	13.78
Mabe	9.00	Two Door, Non-Inverter	MMV090BAPRSG	1.2948	12.62
Sanden	53.00	Three Door Showcase Cooler, Non-Inverter	OEM-1805	4.0427	39.39

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Sanden	9.20	Chest Freezer, Non-Inverter	SNH-0265i	0.6060	5.91
Sanden	12.40	Chest Freezer, Non-Inverter	SNH-0355i	0.6701	6.53
Sanden	15.90	Chest Freezer, Non-Inverter	SNH-0455i	0.7996	7.79
Sanden	10.20	Single Door, Non-Inverter	SPB-0300	1.3825	13.47
Sanden	13.80	Cooler - Standing, Non-Inverter	SPB-0400	1.3308	12.97
Sanden	15.40	Showcase Chiller, Non-Inverter	SPB-0500	1.7422	16.98
Sanden	32.80	Two Door Cooler, Non-Inverter	SPB-1000	3.2651	31.82
Whirlpool	13.00	Two Door, Inverter	6WIN130U BS	0.8387	8.17
Whirlpool	10.50	Two Door, Inverter, No Frost	6WIN105U BS	0.6512	6.35
Whirlpool	13.67	Standing Ref, Inverter	6WFD16NIKGG	1.5774	15.37