

No.	Equipment	Type of Equipment	Applicable Standards		Effic	ciency Ratings
1	Air Conditioner	Single-phase non-ducted single split wall	MS ISO	. .		4.5134
		mounted type vapour compression air	5151:2012	Rate	d cooling capacity	
		conditioners with cooling capacity up to	ISO 16358-	-	Star Rating	Tested CSPF (Wh/Wh)
		7.1 kW	1:2013		5	CSPF ≥ 5.30
			1.2013		4	4.60 ≤ CSPF < 5.30
					3	3.30 ≤ CSPF < 4.60
					2	3.10 ≤ CSPF < 3.30
					1	CSPF < 3.10
				4.5k\	W ≤ Rated Cooling Star Rating	g Capacity ≤ 7.1kW Tested CSPF (Wh/Wh)
					5	CSPF ≥ 5.10
					4	4.00 ≤ CSPF < 5.10
					3	3.10 ≤ CSPF< 4.00
					2	2.90 ≤ CSPF < 3.10
					1	CSPF < 2.90
				Minir	mum Star Rating \	√alue is 2

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No.	Equipment	Type of Equipment	Applicable Standards	Е	Efficiency Ratings				
2	Electric Rice	Applicable to rice cookers (including multi	MS 2024:2020						
	Cooker	cooker with the function of cooking rice)		Rated power, P		Effici	iency, r	ן (%)	
		as per the following specification: -		(W)	1	2	3	4	5
				P ≤ 400	≥ 65	≥ 70	≥ 75	≥ 80	≥ 85
		a) Capacity: 1.0L ≤ Capacity ≤ 3.6L; and		400 < P ≤ 600	≥ 66	≥ 71	≥ 76	≥ 81	≥ 87
		b) Rated Power: 400W ≤ P ≤ 1600W		600 < P ≤ 800	≥ 67	≥ 72	≥ 77	≥ 82	≥ 89
				800 < P ≤ 1000	≥ 68	≥ 73	≥ 78	≥ 83	≥ 91
				1000 < P ≤ 2000	≥ 69	≥ 74	≥ 79	≥ 84	≥ 93
				Minimum Star Ratir	ıg Value	is 2			
3	Refrigerator	Household refrigerating appliances with	MS IEC						
		one door or two door that can be	62552-1:2016	Star Rating		Star i	ndex va	alue	
		connected to mains power		5		+25%	≤ Star i	ndex	
			IEC 62552-	4	+10	% ≤ Sta	ar index	< +25°	%
			1:2015	3	-10	% ≤ Sta	ar index	< +10°	%
				2	-25	5% ≤ Sta	ar index	< -10%	6
				1	-35	5% ≤ Sta	ar index	< -25%	6
				Minimum Star Ratir	ıg Value	is 2			

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No.	Equipment	Type of Equipment	Applicable Standards	Efficiency Ratings		
4	Television	Applicable to the following types of	MS IEC			
		television with size up to or equal to 177.8	62301:2012	Star Rating	Star Index	
		cm (70 inch):		5	+70% ≤ Star Index	
			MS IEC	4	+25% ≤ Star Index < +70%	
		(a) plasma	62087-3:2017	3	-22% ≤ Star Index < +25%	
		(b) liquid crystal display (LCD)		2	-55% ≤ Star Index < -22%	
		(c) light emitting diode (LED)	IEC 62087-	1	Star Index < -55%	
		(d) cathode ray tube (CRT)	3:2017	Minimum Star Rat	ing Value is 2	

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5	Washing	Washing machines for households use,	IEC 60456:		
	Machine	with or without heating devices utilizing	2010	Top Loading Washing Machine ≤ 16kg	
		cold and/or hot water supply		Star Rating Energy Efficiency Ratio (Wh	ı/kg)
			MS IEC	5 EER < 6.0	
			60456: 2012	4 6.0 ≤ EER < 10.0	
				3 6.0 ≤ EER < 10.0	
				2 6.0 ≤ EER < 10.0	
				1 EER ≥ 22.5	
				Front Loading washing machine ≤ 16kg Star Rating Energy Efficiency Ratio (Wh	ı/kg)
				5 EER < 70.0	<u> </u>
				4 70.0 ≤ EER < 90.0	
				3 90.0 ≤ EER < 140.0	
				2 140.0 ≤ EER < 220.0	
				1 EER ≥ 220.0	
				Minimum Star Rating Value is 2	

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No.	Equipment	Type of Equipment	Applicable Standards		Efficiency Ratings
6	Microwave	Applicable to the following function of	MS IEC		
	Oven	microwave oven with size up to or equal	62301:2012	Star Rating	η
		to 30 L: -		5	65% < η
			IEC	4	58% ≤ η < 65%
		a) solo;	60705:2010	3	53% ≤ η < 58%
		b) combination;		2	45% ≤ η < 53%
		c) convection; and		1	η < 45%
		d) any other microwave oven with			
		similar function		Minimum Star Rat	ing Value is 2
7	Freezer	Applicable to the following function of	IEC 62552-		
		freezer with size up to or equal to 320 L: -	1:2015/	Star Rating	Star index value
			AMD1:2020	5	+35% < Star index
		a) chest with solid door		4	+15% ≤ Star index < +35%
			IEC 62552-	3	-20% ≤ Star index < +15%
			3:2015/	2	-37% ≤ Star index < -20%
			AMD1:2020	1	Star index < -37%
				Minimum Star Rat	ing Value is 2

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8	Domestic Fan	Applicable to the following types of	MS		
		domestic fan:	2574:2014	Ceiling Fan	
				Star Rating	COP (m³/min/W)
		(a) Wall Fan ≤ 16 inch	MS 1220	5	≥ 3.00
		(b) Desk Fan ≤ 16 inch		4	2.74 to 2.99
		(c) Pedestal Fan ≤ 16 inch		3	2.66 to 2.73
		(d) Ceiling Fan ≤ 60 inch		2	2.58 to 2.65
				1	2.50 to 2.57
				Pedestal, Wall and De	esk Fan COP (m³/min/W)
				5	≥ 1.20
				4	1.12 to 1.19
				3	1.08 to 1.11
				2	1.01 to 1.07
				1	0.93 to 1.00
				Minimum Star Rating	Value is 2

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No.	Equipment	Type of Equipment	Applicable Standards		Efficiency Ratings		
9	Lamps	T5 and T8 double capped fluorescent lamps	MS 2598:2014 MS IEC	Туре	Гуре Lamp ratii		Minimum efficacy (Im/W)
			60081	T8	T8 ≥ 18 to <		70
					≥ 31	4.5	80
				T5	≥ 14 to < 15	15	75 80
					= 10		00
		Self-ballasted single-capped lamps [compact fluorescent lamps (CFL)] for general lighting services	MS 2598:2014 MS IEC 60969	≥ 9	mp rating (W) < 9 9 to < 15 15 to < 25 ≥ 25		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Single-capped fluorescent lamps (non-integrated CFL) and circular fluorescent lamps for general lighting services	MS 2598:2014 MS IEC 60901	Lan ≥ 1: ≥ 2:	np rating (W) < 10 0 to < 19 9 to < 27 ≥ 27	Mir	nimum efficacy (Im/W) 46 55 59 70

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		Self-ballasted Light Emitting Diode (LED)	MS	
		lamps for general lighting services	2598:2014	Lamp cap type Minimum efficacy (as in MS IEC 60061-1) (Im/W)
			MS IEC	G13 75
			62612 (P)	GU10 50
				E27 or B22d 60
				E14 60
		Filament tungsten incandescent lamps	MS 2598:2014	Minimum Efficacy = 20 lm/W
			MS IEC	
			60064	

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No.	Equipment	Type of Equipment	Applicable Standards	Effi	ciency Ratings
10	Electric Oven	Applicable to portable electric oven and	IEC 60350-		
		built-in electric oven with the following	1:2016	For built-in electric over	
		function mode:		Star Rating	EEI (%)
				5	EEI < 82
		(a) Conventional mode;		4	82 ≤ EEI < 92
		(b) Convectional mode;		3	92 ≤ EEI < 115
		(c) Conventional and Convectional		2	115 ≤ EEI < 140
		mode; and		1	140 ≤ EEI
		(d) Conventional, Convectional and Steam mode.		For portable electric o	ven
		otodiii iiiodo.		Star Rating	EEI (%)
				5	EEI < 85
				4	85 ≤ EEI < 95
				3	95 ≤ EEI < 110
				2	110 ≤ EEI < 120
				1	120 ≤ EEI
				Minimum Star Rating	Value is 2

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