

TOSOT

Starling



Heat Pump Series



9,000 TO 36,000 BTU

UP TO 22 SEER2



MAIN FEATURES



7

Fan Speeds



Low

Operation Noise



Wi-Fi

Enabled



115v & 220v

Available

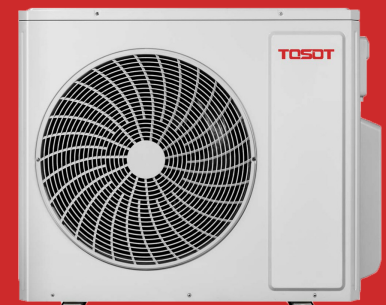
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TOSOT

115V VERSION SPECS

Starling Heat Pump Series

Model		Unit	TACEM7H1R09 TACCI7H1R09	TACEM7H1R12 TACCI7H1R12
Power Supply		V/Ph/Hz	115/1/60	
Cooling Capacity		Btu/h	9,000	12,000
Cooling Power Input		W	762	1,286
Cooling Current Input		A	8.59	13.81
Heating Capacity		Btu/h	10,000	12,000
Heating Power Input		W	803	1004
Heating Current Input		A	8.88	10.78
Air Flow Volume (SS/H/MH/M/ML/L/SL/SM)		CFM	353/282/265/230/212/194/159	424/353/324/277/247/224/182
Dehumidification Volume		Pint/h	1.69	2.96
EER2 for cooling		(Btu/h)/W	11.9	9.3
SEER2			20.5 (SEER2)	19
INDOOR UNIT	Sound Pressure Level (SS/H/MH/M/ML/L/SL/SM)	dB(A)	43/38/37/34/32/31/24	47/39/38/35/33/32/27/22
	Dimension (WxHxD)	inch	32 7/8 X 10 53/64 X 7 7/8	32 7/8 X 10 53/64 X 7 7/8
	Package Dimension (WxHxD)	inch	35 3/64 X 12 61/64 X 10 15/64	35 3/64 X 12 61/64 X 10 15/64
	Net Weight	lb	19.8	19.8
	Gross Weight	lb	24.3	24.3
OUTDOOR UNIT	Dimension (WxDxH)	inch	31 9/64 X 14 11/16 X 23 15/64	31 9/64 X 14 11/16 X 23 15/64
	Package Dimension (WxDxH)	inch	31 17/64 X 14 11/16 X 24 7/32	31 17/64 X 14 11/16 X 24 7/32
	Net Weight	lb	55.1	58.4
	Gross Weight	lb	60.6	63.9
	Refrigerant	-	R32	R32
PIPE CONNECTION	Refrigerant Charge	oz	18.7	17.6
	Connection Pipe Length	ft	24.6	24.6
	Connection Pipe Gas Additional Charge	oz/ft	0.2	0.2
	Outer Diameter Liquid Pipe	inch	1/4"	1/4"
	Outer Diameter Gas Pipe	inch	3/8"	3/8"
	Max Distance Height	ft	40	40
	Max Distance Length	ft	65	65.6



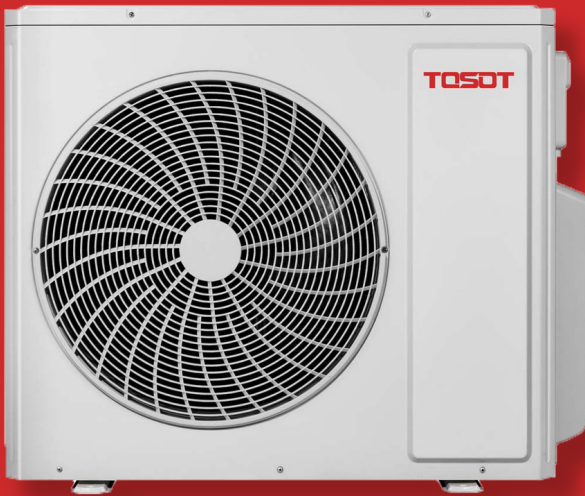
Starling Heat Pump Series



Model		Unit	TACEM7H4R09 TACCI7H4R09	TACEM7H4R12 TACCI7H4R12	TACEM7H4R18 TACCI7H4R18
Power Supply		V/Ph/Hz	208-230/1/60		
Cooling Capacity		Btu/h	9,000	12,000	18,000
Cooling Power Input		W	729	1,231	1,500
Cooling Current Input		A	3.4	5.58	6.65
Heating Capacity		Btu/h	10,000	12,000	19,100
Heating Power Input		W	771	1004	1435
Heating Current Input		A	3.65	4.55	6.40
Air Flow Volume (SS/H/MH/M/ML/L/SL/SM)		CFM	353/282/265/230/212/194/159	424/353/324/277/247/224/182	618/512/471/435/394/335/282
Dehumidification Volume		Pint/h	1.69	2.96	3.8
EER2 for cooling		(Btu/h)/W	12.5	9.75	12.35
SEER2			20.5 (SEER2)	19	20
INDOOR UNIT	Sound Pressure Level (SS/H/MH/M/ML/L/SL/SM)	dB(A)	41/37/34/32/31/27/24	47/39/38/35/33/32/27/22	53/49/46/44/42/38/34
	Dimension (WxHxD)	inch	32 56/64 X 10 53/64 X 7 56/64	32 7/8 X 10 53/64 X 7 7/8	37 8/64 X 13 7/64 X 9 44/64
	Package Dimension (WxHxD)	inch	35 3/64 X 12 61/64 X 10 15/64	35 3/64 X 12 61/64 X 10 15/64	39 26/64 X 15 40/64 X 12 23/32
	Net Weight	lb	19.8	19.8	28.7
	Gross Weight	lb	24.3	24.3	34.2
OUTDOOR UNIT	Dimension (WxDxH)	inch	31 9/64 X 14 11/16 X 23 15/64	31 9/64 X 14 11/16 X 23 15/64	34 14/64 X 15 35/64 X 23 25/64
	Package Dimension (WxDxH)	inch	31 17/64 X 14 11/16 X 24 14/64	31 17/64 X 14 11/16 X 24 7/32	34 21/64 X 15 43/64 X 24 26/64
	Net Weight	lb	52.9	56.2	70.6
	Gross Weight	lb	58.4	61.7	76.1
	Refrigerant	-	R32	R32	R32
PIPE CONNECTION	Refrigerant Charge	oz	18.7	17.6	32.5
	Connection Pipe Length	ft	24.606	24.6	24.6
	Connection Pipe Gas Additional Charge	oz/ft	0.2	0.2	0.2
	Outer Diameter Liquid Pipe	inch	1/4"	1/4"	1/4"
	Outer Diameter Gas Pipe	inch	3/8"	3/8"	1/2"
	Max Distance Height	ft	39.4	40	82
Max Distance Length		ft	65.6	65.6	131.2

Model		Unit	TACEM7H4R24 TACCI7H4R24	TACEM7H4R30 TACCI7H4R30	TACEM7H4R36 TACCI7H4R36
Power Supply		V/Ph/Hz	208-230/1/60		
Cooling Capacity		Btu/h	24,000	30,000	36,000
Cooling Power Input		W	2,010	2,750	3,169
Cooling Current Input		A	9	11.8	13.5
Heating Capacity		Btu/h	24,000	30,000	34,000
Heating Power Input		W	1950	2750	3267
Heating Current Input		A	9.00	11.7	14.7
Air Flow Volume (SS/H/MH/M/ML/L/SL/SM)		CFM	677/589/559/500/471/441/412	794/647/618/559/500/471/441	794/647/618/559/500/471/441
Dehumidification Volume		Pint/h	5.28	7.4	7.4
EER2 for cooling		(Btu/h)/W	11.9	10.9	10.6
SEER2			19	22 (SEER2)	21
INDOOR UNIT	Sound Pressure Level (SS/H/MH/M/ML/L/SL/SM)	dB(A)	51/47/44/41/40/38/36	52/45/44/41/39/38/36	52/45/44/41/39/38/36
	Dimension (WxHxD)	inch	42 7/16 X 13 7/64 X 9 11/16	42 7/16 X 13 7/64 X 9 11/16	42 7/16 X 13 7/64 X 9 11/16
	Package Dimension (WxHxD)	inch	44 13/32 X 15 63/64 X 12 23/32	44 13/32 X 15 63/64 X 12 23/32	44 13/32 X 15 63/64 X 12 23/32
	Net Weight	lb	33.1	34.2	34.2
	Gross Weight	lb	39.7	40.8	40.8
OUTDOOR UNIT	Dimension (WxDxH)	inch	40 33/64 X 17 53/64 X 28 5/32	42 26/64 X 18 57/64 X 30 58/64	42 26/64 X 18 57/64 X 30 58/64
	Package Dimension (WxDxH)	inch	40 5/8 X 17 61/64 X 29 1/64	42 33/64 X 19 1/64 X 31 57/64	42 33/64 X 19 1/64 X 31 57/64
	Net Weight	lb	93.7	116.8	122.4
	Gross Weight	lb	103.6	127.9	133.4
	Refrigerant	-	R32	R32	R32
PIPE CONNECTION	Refrigerant Charge	oz	42.3	56.4	56.4
	Connection Pipe Length	ft	24.6	24.6	24.6
	Connection Pipe Gas Additional Charge	oz/ft	0.1	0.4	0.4
	Outer Diameter Liquid Pipe	inch	1/4"	1/4"	1/4"
	Outer Diameter Gas Pipe	inch	1/2"	5/8"	5/8"
	Max Distance Height	ft	82	82	82
Max Distance Length		ft	131.2	131.2	131.2

TOSOT



Starling Heat Pump Series



Inverter



AHRI
AIR-CONDITIONING, HEATING,
& REFRIGERATION INSTITUTE



Air-Con International is a Tosot distributor in select states. Please see website for full details.



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