TABULAR DATA SHEET

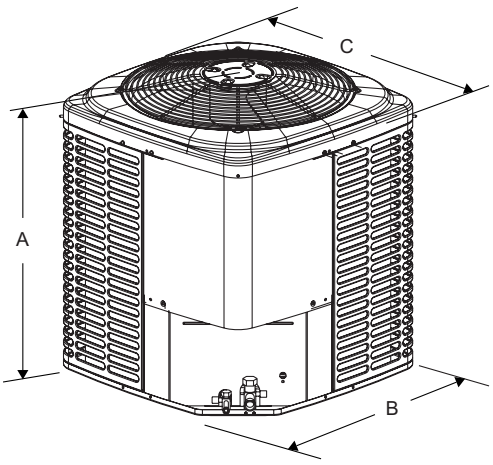
LX SERIES SPLIT SYSTEM HEAT PUMPS

13 SEER – R-410A – 3 PHASE – 2.5 THRU 5 NOMINAL TONS
MODELS: THJD30 THRU 060 (3ϕ)

Physical and Electrical Data

MODEL		THJD30 S43S4	THJD36 S43S4	THJD42 S43S4	THJD48 S43S3	THJD60 S43S4	THJD30 S44S4	THJD36 S44S4	THJD42 S44S4	THJD48 S44S3	THJD60 S44S4
Unit Supply Voltage		208-230V, 3ϕ, 60Hz					460V, 3ϕ, 60Hz				
Normal Voltage Range [1]		187 to 252					432 to 504				
Minimum Circuit Ampacity		11.0	12.9	12.9	15.5	22.9	6.0	7.0	7.2	7.2	12.0
Max. Overcurrent Device Amps [2]		15	20	20	25	40	15	15	15	15	20
Min. Overcurrent Device Amps [3]		15	15	15	20	25	15	15	15	15	15
Compressor Type		Recip	Recip	Recip	Recip	Scroll	Recip	Recip	Recip	Recip	Scroll
Compressor Amps	Rated Load	8.1	9.1	12.9	11.2	17.3	4.2	4.5	5.1	5.1	9.0
	Locked Rotor	63	68	68	88	115	30	34	34	44	53
Crankcase Heater		No	No	No	No	Yes	No	No	No	No	Yes
Factory External Discharge Muffler		No	No	No	No	No	No	No	No	No	No
Factory External Check Valve		No	No	No	No	No	No	No	No	No	No
Fan Motor Amps	Rated Load	0.8	1.3	1.3	1.3	1.3	0.8	0.8	0.8	0.8	0.8
Fan Diameter Inches		24	24	24	24	24	24	24	24	24	24
Fan Motor	Rated HP	1/8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	Nominal RPM	1050	850	850	850	850	850	850	850	850	850
	Nominal CFM	3100	3800	3800	3800	3800	3500	3800	3800	3800	3800
Coil	Face Area Sq. Ft.	21.00	23.58	23.58	23.58	23.58	21.00	23.58	23.58	23.58	23.58
	Rows Deep	1	1	1	1	2	1	1	1	1	2
	Fins / Inch	22	22	22	22	18	22	22	22	22	18
Liquid Line Set OD (Field Installed)		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line Set OD (Field Installed)		3/4	3/4	7/8	7/8	7/8	3/4	3/4	7/8	7/8	7/8
Unit Charge (Lbs. - Oz.) [4]		9 - 0	10 - 0	10 - 11	10 - 14	13 - 13	9 - 0	10 - 0	10 - 11	10 - 14	13 - 13
Charge Per Foot, Oz.		0.62	0.62	0.67	0.67	0.67	0.62	0.62	0.67	0.67	0.67
Operating Weight Lbs.		196	208	208	248	280	196	208	208	248	280

1. Rated in accordance with AHRI Standard 110-2012, utilization range “A”.
2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.
4. The Unit Charge is correct for the outdoor unit, smallest matched indoor unit, and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant, using the difference in length multiplied by the per foot value.



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
30	36-1/4	34	34	3/8	3/4
36	40-1/4	34	34		
42	40-1/4	34	34		7/8
48	40-1/4	34	34		
60	40-1/4	34	34		

All dimensions are in inches and are subject to change without notice.
Overall height is from bottom of base pan to top of fan guard.
Overall length and width include screw heads.

System Charge for Various Matched Systems					
Outdoor Unit	THJD30 S4(3,4)S4	THJD36 S4(3,4)S4	THJD42 S4(3,4)S4	THJD48 S4(3,4)S3	THJD60 S4(3,4)S4
Required Orifice or TXV [1,2]	.063/4G1	.071/4H1	.075/4H1	.078/4J1	4K1
Indoor Coil [3,4]	Additional Charge, Oz.				
FC/MC/PC35	.063/TXV + 0-	--	--	--	--
FC/MC/PC43	.063/TXV + 6	.071/TXV + 0	--	--	--
FC/MC/PC/UC60	--	--	.075/TXV + 0	.078/TXV -14	--
FC/MC62	--	--	--	.078/TXV + 8	TXV + 0

Footnotes:

1. For applications requiring a TXV use s1-1TVM series kit.
2. Approved orifice shipped with outdoor unit.
3. Systems matched with furnaces or air handlers not equipped with blower-off delays may require blower Time Delay Kit 2FD06700224.
4. PC coils cannot be used in downflow or horizontal applications. FC coils cannot be sued in horizontal applications.

Procedures:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the outdoor unit, the smallest matched indoor unit, and 15 feet of interconnecting line tubing.
2. Verify the TXV or orifice and additional charge required for specific matched indoor unit in the system using the above table.
3. Add additional charge for the amount of interconnecting line tubing greater than 15 feet at the rate specified in Physical and Electrical Data table.
4. For indoor matches requiring additional charge, the refrigerant needs to be weighed in for specific matched indoor unit and line set lengths.
5. Permanently mark the unit nameplate with the total system charge. Total system charge = base charge as shipped plus charge adder for matched indoor unit and charge adder for line set.

Thermo Products, LLC
5235 West State Road 10
North Judson, IN 46366
www.thermopride.com