



INSPIRE GREATNESS

SUBMITTAL DATA SHEET

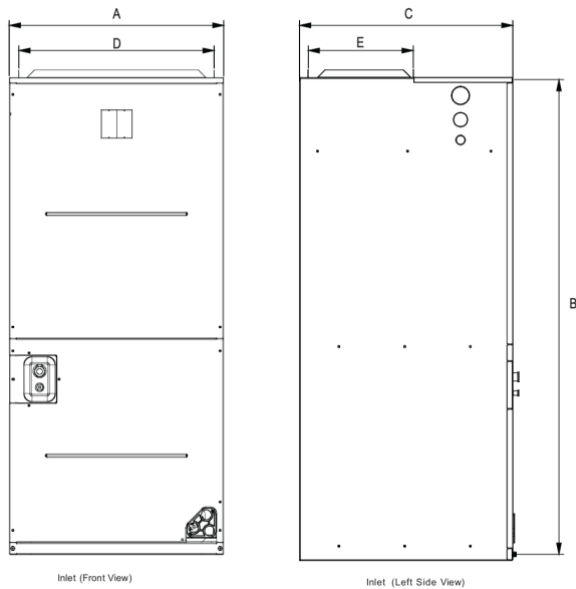
Job Name _____
Buyer _____
Submitted to _____
Unit Designation _____

Location _____
Engineer _____
Reference _____ Approval _____ Construction _____
Schedule # _____

AHRI #	216046818
Set Code	
Indoor Code	
Outdoor Code	
Set Model #	H60AHH16XA
Indoor Model #	H60AHH16XAE
Outdoor Model #	H60TDH16XAC
Certification	ETL AHRI



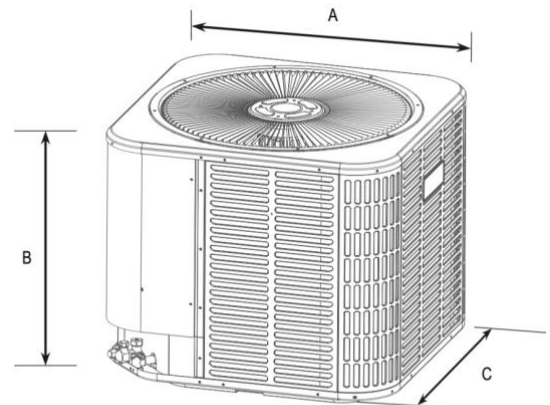
Indoor Unit Dimension



Model	indoor Unit (inch / mm)				
	A	B	C	D	E
H60AHH16XAE	21.0/533	56.0/1422	24.5/622	22.2 /578	10.3

Outdoor Unit Dimension

Model	indoor Unit (inch / mm)		
	A	B	C
H60TDH16XAC	29.1 / 740	33.2 / 843	29.1 / 740



TCL NORTH AMERICA

189 Technology Dr, Irvine, CA 92618

External dimensions

www.tcl.com



SYSTEM PERFORMANCE DATA			
Power supply			
Power Supply		208 -230V / 1Ph / 60Hz	
Voltage Range (Min - Max)	V	187 / 253	
Electrical			
Min. Circuit Ampacity - MCA	A	7 – IDU / 35 - ODU	
Max. Circuit Breaker	A	15 – IDU / 60 - ODU	
Recommended FUSE Size	A	15 – IDU / 60 - ODU	
Cooling at 95°F (35°C)			
Capacity	BTU/h	53,000	
(Min - Max)		(9,400 - 53,000)	
Rated Current	A	31	
SEER2 / EER2		17 / 8	
Heating at 47°F (8.3°C)			
Capacity	BTU/h	53,000	
(Min - Max)	W	(15,000 - 56,000)	
Rated Current	A	31	
HSPF2 -4 / COP		8.2 / 3	
Heating at 17°F (-8.3°C)			
Capacity	BTU/h	38,000	
Heating at 5°F (-15°C)			
Capacity	BTU/h	38,000	
COP		1.9	

REFRIGERANT PIPING DATA			
Refrigerant Type / Charged	oz	R454B / 8-13.1 (4.00)	
Pre-Charge Length Total	ft (m)	25 (7.5)	
Additional Charge	oz/ft	0.54	
Valve Size (Liquid - Suction)	in	3/8 - 3/4	
Line Set Sized (Liquid - Gas)	in	3/8 - 7/8	
Line Set Length (Min - Max)	ft (m)	25(7.5) ~ 100(30)	
Max. Pipe Elevation	ft (m)	50 (15)	
Throttle Type(IDU)		TXV-5Ton	
Throttle Type(ODU)		EEV-3.2	

TEMPERATURE RANGE			
Outdoor Cooling Range	°F	5 ~ 125	
	°C	-15 ~ 52	
Outdoor Heating Range	°F	-5 ~ 80	
	°C	-20 ~ 27	

INDOOR UNIT DATA			
Fan Motor Type			
Model		ECM with centrifugal fan	
Brand		ZWK702F0H0033	
Input		Broad-Ocean	
	HP	3/4	
Speed	r/min	1050	
Performance			
Air Flow (Hi)	CFM	1700	
Sound Pressure (Min - Max)	dB(A)	62	
Unit Data			
External Dimensions	in	21.0 × 56.0 × 24.5	
(W × H × D)	mm	533 × 1422 × 622	
Package Dimensions	in	22.9 × 61.8 × 27.9	
(W × H × D)	mm	584 × 1570 × 710	
Weight (Net / Gross)	Lbs(kgs)	154/190 (70/86)	
Thermostat type			
24VAC Universal Thermostat / TCL RS485 Wired Controller			

OUTDOOR UNIT DATA			
Compressor Type			
Brand & Model		Variable Rotary	
		HIGHLY/ MTH420SKPC8FQ	
Input	W	2580	
RLA	A	10	
Motor Type			
Brand & Model		DC	
		Broad-Ocean / ZW511D000018L	
Input	W	195	
Speed	r/min	1050	
Performance			
Sound Pressure Level	dB(A)	69	
Control Voltage	VAC	24	
Unit Data			
External Dimensions	in	29.1 × 33.2 × 29.1	
(W × H × D)	mm	740 × 843 × 740	
Package Dimensions	in	30.2 × 39.5 × 30.2	
(W × H × D)	mm	767 × 1003 × 767	
Weight (Net / Gross)	Lbs.(kgs)	190/220 (86/100)	
Limited Warranty		10 Years Parts & 10 Years Compressor	

General Features:

- Flexible Installation
- Easy Access for Wiring
- Quiet Operation
- Consistent Room Temperature
- Universal Match for 24V and 485
- Intelligent Anti-Cold Air Design
- Intelligent Defrosting
- Multi-protection
- Wide Voltage Operation
- Energy Saving
- Wide Operation Range
- Environmentally-friendly Refrigerant
- Consistent Air Flow
- 4-way installation



Central Air Conditioning Heat Pump (HP)

Singlezone Ducted, Centrally Ducted

AHRI Cert #: **216046818**Outdoor Unit Model #: **H60TDH16XAC**Indoor Model #: **H60AHH16XAE**🔥 Maximum Heating Capacity (Btu/h) @5°F: **38,000**🔥 Rated Heating Capacity (Btu/h) @47°F: **53,000**❄️ Rated Cooling Capacity (Btu/h) @95°F: **53,000**

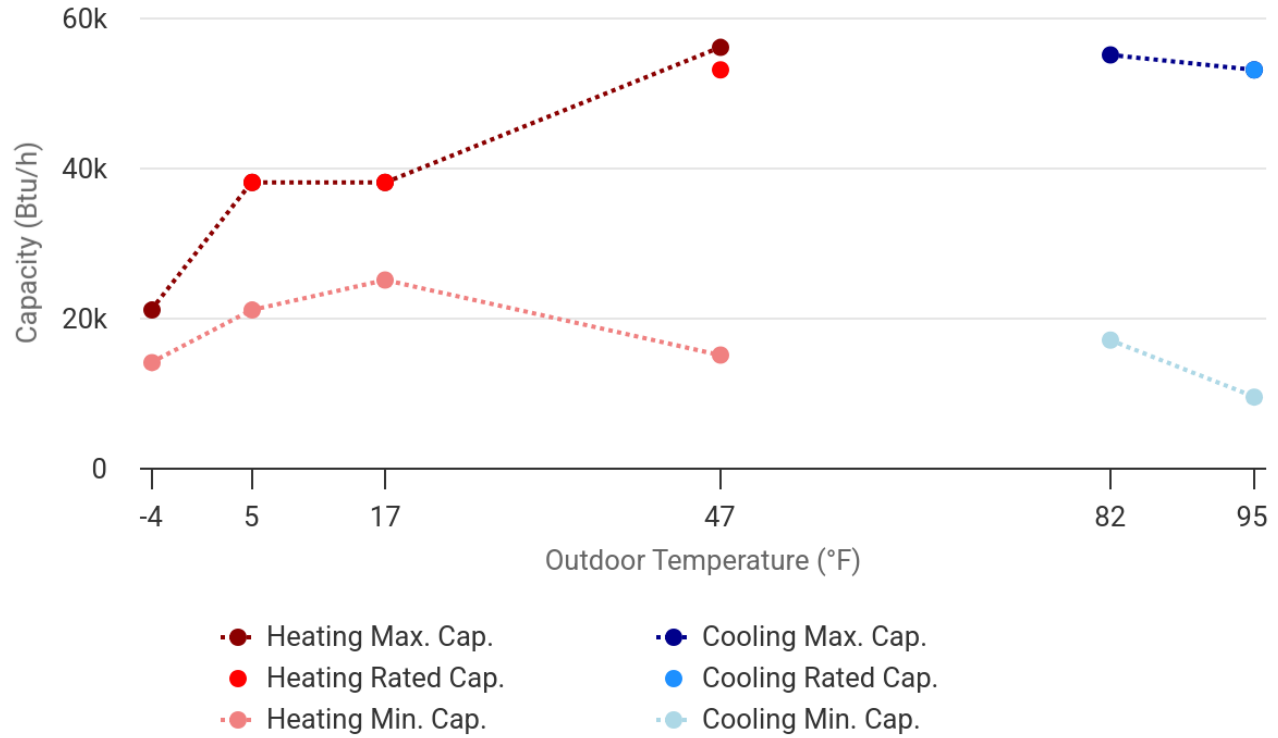
Information Tables

Brand	TCL
Series	
Ducting Configuration	Singlezone Ducted, Centrally Ducted
AHRI Certificate #*	216046818
Outdoor Unit Model #*	H60TDH16XAC
Indoor Model #*	H60AHH16XAE
Indoor Unit Type*	Ducted Indoor Units
Furnace Model* #	
EER*	
SEER*	
HSPF (Region IV)*	
EER2*	8
SEER2*	17
HSPF2 (Region IV)*	8.2
HSPF2 (Region V)	7
ENERGY STAR V6.1	✓
ENERGY STAR V6.1 Cold Climate	✓
ENERGY STAR V5.0	
Federal Tax Credit Eligibility North	
Federal Tax Credit Eligibility South	
CEE Tier 1 Path A (2025)	
CEE Tier 1 Path B (2025)	
Capacity Maintenance (Rated 17°F/Rated 47°F)	71%
Capacity Maintenance (Rated 5°F/Rated 47°F)	71%
Capacity Maintenance (Max 5°F/Rated 47°F)	71%
Variable Capacity	✓
Integration	
Connectivity	
Operational Diagnostics	
Refrigerant	R-454B
Sold In*	USA, Canada

Performance Specs

Heating / Cooling	Outdoor Dry Bulb	Indoor Dry Bulb	Unit	Min	Rated*	Max
Cooling	95°F	80°F	Btu/h*	9,400	53,000	53,000
			kW	0.85	6.62	7.07
			COP	3.24	2.35	2.2
Cooling	82°F	80°F	Btu/h*	17,000	-	55,000
			kW	0.72	-	4.58
			COP	6.92	-	3.52
Heating	47°F	70°F	Btu/h*	15,000	53,000	56,000
			kW	0.9	5.18	5.86
			COP	4.88	3	2.8
Heating	17°F	70°F	Btu/h*	25,000	38,000	38,000
			kW	3.05	5.86	5.86
			COP	2.4	1.9	1.9
Heating	5°F	70°F	Btu/h*	21,000	38,000	38,000
			kW	2.8	6.19	6.19
			COP	2.2	1.8	1.8
Heating	-4°F	70°F	Btu/h*	14,000	-	21,000
			kW	3.71	-	5.4
			COP	1.11	-	1.14

Heating/Cooling Capacity Graph



Highcharts.com