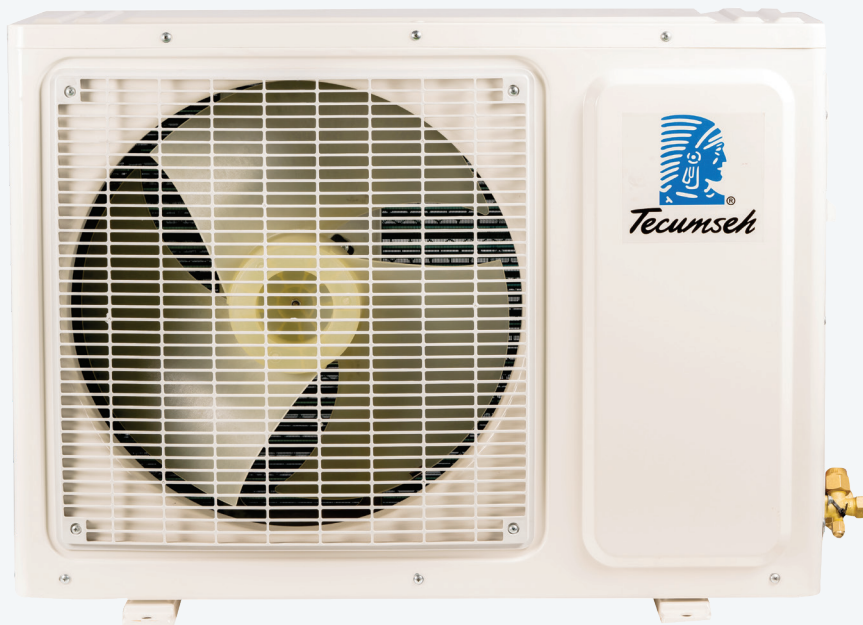




# OUTDOOR CONDENSING UNITS (ODCU)

PRODUCT CATALOG



NEW OUTDOOR CONDENSING UNITS

[WWW.TECUMSEH.COM](http://WWW.TECUMSEH.COM)

# Tecumseh (ODCU)

## About Tecumseh Products India

Tecumseh Products India a Subsidiary of Tecumseh Products Company LLC is a leading global manufacturer of hermetic reciprocating, rotary and scroll compressors ranging in capacity from 1/15th to 30 horsepower, as well as offering a complete line of condensing units and systems for use in residential and commercial refrigeration and air conditioning applications.

## Tecumseh ODCU

Built on 85 years of climate control expertise, our new Outdoor Condensing Units (ODCU) designed specifically for commercial refrigeration applications for cold rooms, process cooling, retail refrigeration and industrial chillers. Available with reciprocating compressors technology and manufactured in India under strict specifications with the latest advancements in technology for low and high temperature applications.

## HIGH AMBIENT COMPATIBLE

- Optimum grill design increases airflow, generously sized coils for improved TD's, capacity, efficiency, reliability & intended to work at a most extreme ambient temperature of 43°C

## SPACE EFFICIENT

- Compact bases scaled to capacity and all in one service across allows side by side installation of multiple units.

## AESTHETICALLY DESIGNED

- Designed aesthetically & powder coated body to give it a lustrous touch

## SILENT OPERATION

- Low noise fan for quiet operations

## REFRIGERANT OPTIONS

- Available in R-404A, R-134A, R-407C & R22

## APPLICATION

- Wide range of applications from low to high temperature application

## Condensing Unit

EN13215	LBP	HP/MHBP
Evaporating Temperature	-35°C	+5°C
Ambient Temperature	+32°C	+32°C
Return Gas	+20°C	+20°C
Sub-cooling	3K	3K

## MODEL NOMENCLATURE

CDU	4	5	22	Z	XG	S
OUTDOOR TYPE CONDENSING UNIT	Application 2 = Low Back 4 = High Back	CAPACITY No of Digits in Cooling Capacity	CAPACITY First Two Digits in Cooling Capacity 24000BTU/Hr @ 60 Hz	Refrigerant E = R-22 Z = R-404A	Voltage Code GF,XG,XN, ..etc	Accessories S-Standard FB-Fully Built

- Condensing unit name: "Outdoor Condensing Units"
- Application: 2 = Low temperature application, 4 = High temperature application, 9 = Medium/high temperature application
- Number of digits of cooling capacity
- First two digits in Rating Point Capacity @ 60 Hz (eg. 46,000 Btu/h)
- Refrigerant: Z = R-404A, C = R-407C, W = R 407C / R 22, Y=R 134a
- Voltage Code XG,XN , etc
- S= Standard Configuration , FB= Fully Built Configuration

## PERFORMANCE DATA

### RECIPROCATING TECHNOLOGY - LOW TEMP APPLICATION

**R-404A**

Model	Platform	Ambient Temp. (°C)	Capacity (W) Evaporating Temperature (°C)						Amb. Temp. 35°C Evap. Temp. -25°C		Current (A)	
			-40	-35	-30	-25	-20	-15	Power Input (W)	COP (W/W)	RLA	LRA
CDU2470Z	Outdoor	35	-370	886	1166	1492	1867	2292	1257	0.93	1Ø= 7.9	1Ø= 55
		38	-	826	1093	1404	1761	2167				
		43	-	-	972	1257	1585	1956				
CDU2495Z	Outdoor	35	653	1073	1572	2154	2317	3253	1612	0.93	1Ø= 8.9 3Ø= 3.1	1Ø= 65 3Ø= 29
		38	558	962	1442	1901	2236	2942				
		43	-	780	1225	1742	2132	2689				
CDU2212Z	Outdoor	35	1099	1663	2128	2890	3440	4668	2105	1.10	1Ø= 11 3Ø= 402	1Ø= 71 3Ø= 60
		38	969	1514	1955	2690	3511	4404				
		43	-	1266	1665	2352	3022	3962				

\* Comp RLA: Rated Load Ampere MCC: Maximum Continuous Current LRA: Lock Rotor Ampere

### RECIPROCATING TECHNOLOGY -HIGH/MEDIUM TEMP APPLICATION

**(GAS CHARGED) R-22**

Model	Platform	Ambient Temp. (°C)	Capacity (W) Evaporating Temperature (°C)					Amb. Temp. 35°C Evap. Temp. -5°C		Current (A)	
			-15	-10	-5	0	5	Power Input (W)	COP (W/W)	RLA	LRA
CDS5522E	Outdoor	35	2343	3012	3537	4324	5227	1688	2.10	1Ø= 8.9 3Ø= 3.1	1Ø= 65 3Ø= 29
		38	2194	2830	3331	4077	4930				
		43	-	2526	2984	3660	4433				
CDS5530E	Outdoor	35	2823	3629	4170	5210	6297	1867	2.23	1Ø= 8.9 3Ø= 3.1	1Ø= 65 3Ø= 29
		38	2643	3410	3927	4912	5940				
		43	-	3043	3519	4410	5341				

### RECIPROCATING TECHNOLOGY -HIGH/MEDIUM TEMP APPLICATION

**R-22**

Model	Platform	Ambient Temp. (°C)	Capacity (W) Evaporating Temperature (°C)					Amb. Temp. 35°C Evap. Temp. -5°C		Current (A)	
			-15	-10	-5	0	5	Power Input (W)	COP (W/W)	RLA	LRA
CDS5522E	Outdoor	35	2343	3012	3537	4324	5227	1688	2.10	1Ø= 8.9 3Ø= 3.1	1Ø= 65 3Ø= 29
		38	2194	2830	3331	4077	4930				
		43	-	2526	2984	3660	4433				
CDS5530E	Outdoor	35	2823	3629	4170	5210	6297	1867	2.23	1Ø= 8.9 3Ø= 3.1	1Ø= 65 3Ø= 29
		38	2643	3410	3927	4912	5940				
		43	-	3043	3519	4410	5341				
CDS5535E	Outdoor	35	3524	4482	5083	6301	7478	2435	2.09	1Ø= 14.2 3Ø= 5.3	1Ø= 92 3Ø= 45
		38	3309	4228	4801	5911	7185				
		43	-	3798	4353	5399	6381				
CDS5542E	Outdoor	35	3964	4935	5916	8153	9480	2687	2.20	3Ø= 6.0	3Ø= 60
		38	-	4723	5604	6845	8663				
		43	-	4245	4846	6567	8046				

\* Comp RLA: Rated Load Ampere MCC: Maximum Continuous Current LRA: Lock Rotor Ampere

## RECIPROCATING TECHNOLOGY -HIGH/MEDIUM TEMP APPLICATION

R-22

Model	Platform	Ambient Temp. (°C)	Capacity (W) Evaporating Temperature (°C)					Amb. Temp. 35°C Evap. Temp. -5°C		Current (A)	
			-15	-10	-5	0	5	Power Input (W)	COP (W/W)	RLA	LRA
CDU4522E	Outdoor	35	2343	3012	3537	4324	5227	1688	2.10	1Ø= 8.9 3Ø= 3.1	1Ø= 65 3Ø= 29
		38	2194	2830	3331	4077	4930				
		43	-	2526	2984	3660	4433				
CDU4530E	Outdoor	35	2823	3629	4170	5210	6297	1867	2.23	1Ø= 8.9 3Ø= 3.1	1Ø= 65 3Ø= 29
		38	2643	3410	3927	4912	5940				
		43	-	3043	3519	4410	5341				
CDU4538E	Outdoor	35	3596	4573	5187	6430	7630	2435	2.13	1Ø= 14.2 3Ø= 5.3	1Ø= 92 3Ø= 45
		38	3376	4314	4899	6032	7332				
		43	-	3876	4442	5510	6512				
CDU4542E	Outdoor	35	3964	4935	5916	8153	9480	2687	2.20	3Ø= 6.0	3Ø= 60
		38	-	4723	5604	6845	8663				
		43	-	4245	4846	6567	8046				

\* Comp RLA: Rated Load Ampere MCC: Maximum Continuous Current LRA: Lock Rotor Ampere

## RECIPROCATING TECHNOLOGY -HIGH/MEDIUM TEMP APPLICATION

R-404A

Model	Platform	Ambient Temp. (°C)	Capacity (W) Evaporating Temperature (°C)					Amb. Temp. 35°C Evap. Temp. -5°C		Current (A)	
			-15	-10	-5	0	5	Power Input (W)	COP (W/W)	RLA	LRA
CDU4522Z	Outdoor	35	2547	3137	3762	4412	5075	1652	2.28	1Ø= 11.45 3Ø= 3.2	1Ø= 60 3Ø= 20
		38	2385	2948	3543	4160	4787				
		43	-	2631	3175	3735	4304				
CDU4532Z	Outdoor	35	3069	3780	4533	5316	6114	2151	2.11	1Ø= 17.6 3Ø= 4.12	1Ø= 85 3Ø= 30
		38	2873	3552	4269	5012	5767				
		43	-	3170	3825	4500	5185				
CDU4538Z	Outdoor	35	3909	4764	5638	6561	7408	2745	2.05	1Ø= 18.8 3Ø= 6.1	1Ø= 126 3Ø= 45
		38	3670	4494	5325	6155	7118				
		43	-	4037	4828	5622	6322				
CDU4544Z	Outdoor	35	4309	5141	6430	8319	9204	3261	1.97	3Ø= 6.7	3Ø= 42
		38	4046	4920	6091	6985	8411				
		43	-	4422	5267	6701	7812				

\*Comp RLA: Rated Load Ampere MCC: Maximum Continuous Current LRA: Lock Rotor Ampere

## RECIPROCATING TECHNOLOGY -HIGH/MEDIUM TEMP APPLICATION

R-134a

Model	Platform	Ambient Temp. (°C)	Capacity (W) Evaporating Temperature (°C)					Amb. Temp. 38°C Evap. Temp. -5°C		Current (A)	
			-15	-10	-5	0	5	Power Input (W)	COP (W/W)	RLA	LRA
CDU4518Y	Outdoor	35	1653	2162	2738	3379	4084	1202	2.16	1Ø= 6.75 3Ø= 2.5	1Ø= 40 3Ø= 18
		38	1551	2040	2595	3213	3892				
		43	-	1848	2366	2945	3583				
CDU4525Y	Outdoor	35	2164	2820	3550	4350	5211	1584	2.13	1Ø= 9.5 3Ø= 3.38	1Ø= 52 3Ø= 26
		38	2031	2665	3370	4145	4978				
		43	-	2410	3075	3805	4591				

# SPECIFICATION

## RECIPROCATING TECHNOLOGY -HIGH TEMP APPLICATION

R 22

Model	Platform	Fan		Diameter of connection(mm)		Dimensions (mm)			Weight(kg) CDU	Weight(kg) ODCU-Standard (S)	Weight(kg) ODCU-Fullt Built (FB)
		Size (mm)	Power (W)	Suction	Liquid	Length	Width	Height			
CDU4515EGE	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	46	47	X
CDU4522EGE CDU4522EGF	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	46	47	52
CDU4530EGH CDU4530EGF	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	46	47	52
CDU4538EXC CDU4538EGF	Outdoor	495	73	15.8 (5/8")	9.52 (3/8")	985	330	825	63	64	70
CDU4542EXG	Outdoor	495	73	15.8 (5/8")	9.52 (3/8")	985	330	825	64	64	70

## RECIPROCATING TECHNOLOGY -HIGH TEMP APPLICATION

R-407C

Model	Platform	Fan		Diameter of connection(mm)		Dimensions (mm)			Weight(kg) CDU	Weight(kg) ODCU-Standard (S)
		Size (mm)	Power (W)	Suction	Liquid	Length	Width	Height		
CDU4514CGE CDU4514CGF	Outdoor	445	55	12.7 (5/8")	9.52 (3/8")	860	310	605	46	47
CDU4522CGH CDU4522CGF	Outdoor	445	55	12.7 (5/8")	9.52 (3/8")	860	310	605	46	47
CDU4530CGH CDU4530CGF	Outdoor	445	55	12.7 (5/8")	9.52 (3/8")	860	310	605	46	47
CDU4535CXC CDU4535CGF	Outdoor	495	73	15.8 (5/8")	9.52 (3/8")	985	330	825	63	64
CDU4540CGF	Outdoor	495	73	15.8 (5/8")	9.52 (3/8")	985	330	825	64	64

## RECIPROCATING TECHNOLOGY -HIGH/MEDIUM TEMP APPLICATION

R-134a

Model	Platform	Fan		Diameter of connection(mm)		Dimensions (mm)			Weight(kg) CDU	Weight(kg) ODCU-Standard (S)	Weight(kg) ODCU-Fullt Built (FB)
		Size (mm)	Power (W)	Suction	Liquid	Length	Width	Height			
CDU4515YGE	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	46	47	-
CDU4518YXC CDU4518YXG	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	46	47	52
CDU4525YXC CDU4525YXG	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	46	47	52

## RECIPROCATING TECHNOLOGY -HIGH/MEDIUM TEMP APPLICATION

R-404A

Model	Platform	Fan		Diameter of connection(mm)		Dimensions (mm)			Weight(kg) ODCU-Standard (S)	Weight(kg) ODCU-Fullt Built (FB)
		Size (mm)	Power (W)	Suction	Liquid	Length	Width	Height		
CDU4516ZXN CDU4516ZXG	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	47	52
CDU4522ZXN CDU4522ZXG	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	47	52
CDU4532ZXN CDU4532ZXG	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	47	52
CDU4538ZXN CDU4538ZXG	Outdoor	495	73	15.8 (5/8")	9.52 (3/8")	985	330	825	64	70
CDU4544ZXG	Outdoor	495	73	15.8 (5/8")	9.52 (3/8")	985	330	825	64	70

## RECIPROCATING TECHNOLOGY -LOW TEMP APPLICATION

R-404A

Model	Platform	Fan		Diameter of connection(mm)		Dimensions (mm)			Weight(kg) ODCU-Standard (S)	Weight(kg) ODCU-Fullt Built (FB)
		Size (mm)	Power (W)	Suction	Liquid	Length	Width	Height		
CDU2470ZGE	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	47	52
CDU2495ZGE CDU2495ZXG	Outdoor	445	55	15.8 (5/8")	9.52 (3/8")	860	310	605	47	52
CDU2512ZXC CDU2512ZTZ	Outdoor	495	73	15.8 (5/8")	9.52 (3/8")	985	330	825	64	70

## SCOPE OF SUPPLY-STANDARD (HIGH TEMP APPLICATION)

R 22

Reciprocating	CDU4515EGE	CDU4522EGE CDU4522EGF	CDU4530EGH CDU4530EGF	CDU4538EXC CDU4538EGF	CDU4542EXG	CDU4515EGE-S	CDU4522EGE-S CDU4522EGF-S	CDU4530EGH-S CDU4530EGF-S	CDU4538EXC-S CDU4538EGF-S	CDU4542EXG-S	CDU4522EGE-FB CDU4522EGF-FB	CDU4530EGH-FB CDU4530EGF-FB	CDU4538EXC-FB CDU4538EGF-FB	CDU4542EXG-FB
Filter Drier	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fan With Grill	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HP/LP (Catridge)						✓	✓	✓	✓	✓	✓	✓	✓	✓
Moisture Indicator											✓	✓	✓	✓
Solenoid Valve											✓	✓	✓	✓
Liquid Receiver											✓	✓	✓	✓
Service Valves	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## SCOPE OF SUPPLY-STANDARD (HIGH TEMP APPLICATION)

R 407C

Reciprocating	CDU4514CGE-S CDU4514CGF-S	CDU4522CGH-S CDU4522CGF-S	CDU4530CGH-S CDU4530CGF-S	CDU4535CX-C-S CDU4535CGF-S	CDU4540CGF-S
Filter Drier	✓	✓	✓	✓	✓
Fan With Grill	✓	✓	✓	✓	✓
HP/LP (Catridge)	✓	✓	✓	✓	✓
Moisture Indicator					
Solenoid Valve					
Liquid Receiver					
Service Valves	✓	✓	✓	✓	✓

## SCOPE OF SUPPLY-STANDARD (HIGH/MEDIUM TEMP APPLICATION)

R 404A

Reciprocating	CDU4516ZXN-S CDU4516ZXG-S	CDU4522ZXN-S CDU4522ZXG-S	CDU4532ZXN-S CDU4532ZXG-S	CDU4538ZXN-S CDU4538ZXG-S	CDU4544ZXG-S	CDU4516ZXN-FB CDU4516ZXG-FB	CDU4522ZXN-FB CDU4522ZXG-FB	CDU4532ZXN-FB CDU4532ZXG-FB	CDU4538ZXN-FB CDU4538ZXG-FB	CDU4544ZXG-FB
Filter Drier	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fan With Grill	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HP/LP (Catridge)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moisture Indicator						✓	✓	✓	✓	✓
Solenoid Valve						✓	✓	✓	✓	✓
Liquid Receiver						✓	✓	✓	✓	✓
Service Valves	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## SCOPE OF SUPPLY-STANDARD (HIGH/MEDIUM TEMP APPLICATION)

R 134a

Reciprocating	CDU4515YGE-S	CDU4518YXC-S CDU4518YXG-S	CDU4525YXC-S CDU4525YXG-S	CDU4515YGE-FB	CDU4518YXC-FB CDU4518YXG-FB	CDU4525YXC-FB CDU4525YXG-FB
Filter Drier	✓	✓	✓	✓	✓	✓
Fan With Grill	✓	✓	✓	✓	✓	✓
HP/LP (Catridge)	✓	✓	✓	✓	✓	✓
Moisture Indicator				✓	✓	✓
Solenoid Valve				✓	✓	✓
Liquid Receiver				✓	✓	✓
Service Valves	✓	✓	✓	✓	✓	✓

## SCOPE OF SUPPLY-STANDARD (LOW TEMP APPLICATION)

R 404A

Reciprocating	CDU2470ZGE-S	CDU2495ZGE-S CDU2495ZXG-S	CDU2512ZXC-S CDU2512ZTZ-S	CDU2470ZGE-FB	CDU2495ZGE-FB CDU2495ZXG-FB	CDU2512ZXC-FB CDU2512ZTZ-FB
Filter Drier	✓	✓	✓	✓	✓	✓
Fan With Grill	✓	✓	✓	✓	✓	✓
HP/LP (Catridge)	✓	✓	✓	✓	✓	✓
Moisture Indicator				✓	✓	✓
Solenoid Valve				✓	✓	✓
Liquid Receiver				✓	✓	✓
Service Valves	✓	✓	✓	✓	✓	✓



**Note: As our Policy of continuous improvement, data and other specifications are subject to change without prior notice.**



**Tecumseh**

**TECUMSEH PRODUCTS INDIA PRIVATE LIMITED**

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