

OUTDOOR CONDENSING UNITS (ODCU)

PRODUCT CATALOG



NEW OUTDOOR CONDENSING UNITS

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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

Cond	lensing	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

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

RECIPROCATING TECHNOLOGY -HIGH/MEDIUM TEMP APPLICATION

Model	Model Platform		Capacity (W) Evaporating Temperature (°C)					Amb. Temp. 35°C Evap. Temp5°C		Current (A)	
			-15	-10	-5	0	5	Power Input (W)	COP (W/W)	RLA	LRA
		35	2547	3137	3762	4412	5075			1Ø= 11.45 3Ø= 3.2	10- 00
CDU4522Z	Outdoor	38	2385	2948	3543	4160	4787	1652	2.28		1Ø= 60 3Ø= 20
		43	-	2631	3175	3735	4304				36 20
		35	3069	3780	4533	5316	6114		2.11	1Ø= 17.6 3Ø= 4.12	1Ø= 85 3Ø= 30
CDU4532Z	Outdoor	38	2873	3552	4269	5012	5767	2151			
		43	-	3170	3825	4500	5185			30 4.12	
		35	3909	4764	5638	6561	7408			1Ø= 18.8 3Ø= 6.1	1Ø= 126 3Ø= 45
CDU4538Z	Outdoor	38	3670	4494	5325	6155	7118	2745	2.05		
		43	-	4037	4828	5622	6322			0.0	
		35	4309	5141	6430	8319	9204				
CDU4544Z	Outdoor	38	4046	4920	6091	6985	8411	3261	1.97	3Ø= 6.7	3Ø= 42
		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-404A

			Fan		Diameter of connection(mm)		Dimensions (mm)			Weight(kg)	Weight(kg)	
Model	Platform	Size (mm)	Power (W)	Suction	Liquid	Length	Width	Height	ODCU- Standard (S)	ODCU-Fullt Built (FB)		
	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	

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	✓	✓	✓	✓	√	✓	√	✓	✓	✓