



Tecumseh



TC SERIES COMPRESSOR

BUILT FOR TODAY. READY FOR TOMORROW

PERFORMANCE

Suction and discharge systems combined with new motors and refrigerant fluid handling provides improved compressor efficiency.

COMPACTNESS

Up to 15% lower in height when compared to comparable compressor offerings.

VERSATILITY

Industry standard suction, discharge and process connections facilitate ease of installation and serviceability.

INCREASED CAPACITY AND EFFICIENCY

Up to 19% more efficient than the current platforms with models to cover 300 to 4,000 Btu/h

ECO-FRIENDLY

Designed for optimum performance with "green" hydrocarbon refrigerant R600a (isobutene) and R290 (propane)

SPECIFICATION

Product

Evaporating Ranges:	LBP: -40°F to +14°F (-40°C to -10°C) L/MBP: -31°F to +23°F (-35°C to -5°C) M/HBP: +5°F to -59°F (-15°C to +15°C)
Refrigerant:	R134a, R290 and R600a
Capacity:	L/MBP: 300 to 1.500 Btu/h M/HBP: 2.000 - 4.000 Btu/h
Connections:	Copper braze suction and discharge connections

Features

Oil:	POE (R290 and R134a) and Mineral (R600a)
Motor Type:	CSIR, RSIR, PTCCSR, PTCSCR and PTCCSIR
Voltages:	220-240 / 50 / 1 115-127 / 60 / 1 220 / 60-50 / 1 115 / 60 / 1 230 / 50 / 1 220 / 60 / 1
Agency Approval:	U.L., VDE, SGS and IRAM Other approvals available on request

COMPRESSOR NOMENCLATURE

TC	W	3	50	U	- DS	6	B
Family	Digit Number	Refrigerant		Run Capacitor			
First 2 digits	Number of digits composing the cooling capacity	U = R290 M = R600a Y = R134a		Options with and without run and start capacitor			
Application	Capacity	Voltage		Version Control			
1 and 2 = LBP	Capacity in Btu/h In this example: 500Btu/h Capacity	FZ = 220-240 / 50 / 1 DS = 115-127 / 60 / 1 GS = 220 / 60-50 / 1 LS = 115 / 60 / 1 AE = 230 / 50 / 1 ES = 220 / 60 / 1		AlAl = A / D / G CuAl = B / E / H CuCu = C / F / J			
W and X = L/MPB							
3 and 4 = M/HBP							
Z = L/M/HBP							

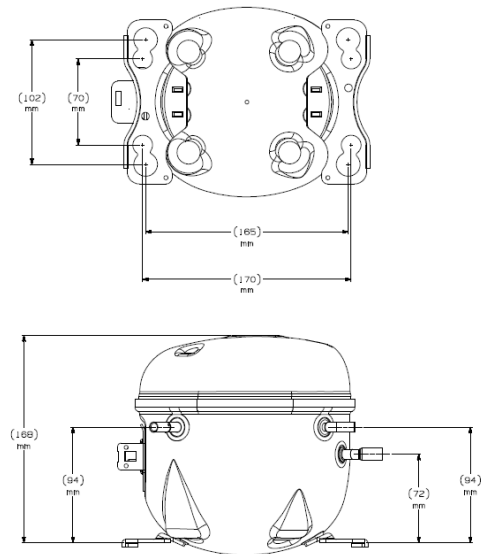
OPERATING ENVELOPE

L / MBP

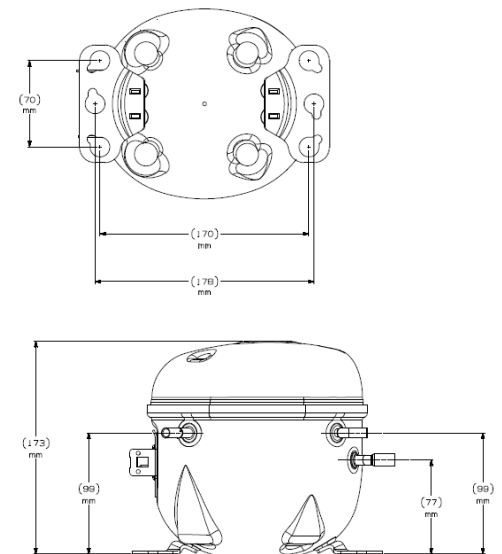
Refrigerant	300 Btu/h	400 Btu/h	500 Btu/h	600 Btu/h	700 Btu/h	800 Btu/h	900 Btu/h	1000 Btu/h	1300 Btu/h	1500 Btu/h
R134a										
R600a										
R290										

DIMENSIONS

European Model



Universal Model



NOTE: Dimensions for internal reference only.



M / HBP

Refrigerant	2000 Btu/h	2500 Btu/h	3000 Btu/h	3500 Btu/h	4000 Btu/h
R134a					
R290					

TC Special Series Compressors

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