

R-290 SERVICE COMPRESSORS



Our environmentally friendly, R-290 compressors are lightweight, compact and ideal for food retail and food service applications. With an expanded operating envelope, our practical, reliable R-290 compressors can replace a wide range of compressors with high global warming potential.

- Available through our wide distribution network
- Service replacements for parts no longer under OEM warranty
- Replacement compressors found in commonly used hydrocarbon applications today
- Expanded application range

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COMPRESSORS FOR SERVICE REPLACEMENT

MODEL	ITEM NUMBER	HP	CAPACITY			APPLICATION	VOLTAGE	MOTOR TORQUE	MOTOR TYPE
			LBP -10	MBP +20	HBP/CBP +45				
TCW330U-DS8B	TC1221E-038-J7	1/13	300	600	—	MBP/LBP	115-127V ~ 60Hz	Normal Start Torque (NST)	CSIR
TCW350U-DS6B	TC1222E-038-J7	1/6	500	1,000	—	MBP/LBP	115-127V ~ 60Hz	Normal Start Torque (NST)	CSIR
TCW360U-LS6A	TC1032E-038-J7	1/5	600	1200	—	MBP/LBP	115V ~ 60Hz	Normal Start Torque (NST)	CSIR
TCW380U-DS6B	TC1217E-038-J7	1/4	800	1,640	—	MBP/LBP	115-127V ~ 60Hz	Normal Start Torque (NST)	CSIR
TCW410U-DS6B	TC1216E-038-J7	1/3	1,150	2,300	—	MBP/LBP	115-127V ~ 60Hz	Normal Start Torque (NST)	CSIR
TCX413U-DS1B	TC1215E-038-J7	1/3+	1,310	2,700	—	MBP/LBP	115-127V ~ 60Hz	High Start Torque (HST)	CSIR
TCX415U-DS1B	TC1214E-038-J7	1/2	1,470	2,940	—	MBP/LBP	115-127V ~ 60Hz	High Start Torque (HST)	CSIR
AEX419U-DS1B	AE1528E-679-J7	1/2	1,770	3,540	—	MBP/LBP	115-127V ~ 60Hz	High Start Torque (HST)	CSIR
AEX428U-DS3C	AE1677E-677-J7	3/4	2,550	5,100	—	MBP/LBP	115-127V ~ 60Hz	High Start Torque (HST)	CSIR
AE4460U-AA1C	AE1432E-209-J7	1/2	—	—	6,900	HBP/CBP	115V ~ 60Hz	High Start Torque (HST)	CSIR

MBP/LBP = Medium/Low Back Pressure
HBP/CBP = High/Commercial Back Pressure

NOMENCLATURE

TC	W	3	50	U	—	DS	6B
COMPRESSOR FAMILY (FIRST 2 DIGITS)	APPLICATION	DIGIT NUMBER	COOLING CAPACITY	REFRIGERANT		APPROVED VOLTAGE (V/Hz/P)	RELEASE VARIANT

AE
TC

Number of digits composing the cooling capacity

R-290

AA = 115 / 60 / 1
DS = 115-127 / 60 / 1
LS = 115 / 60 / 1

Evaporating Temperature	Rating Point	Motor Starting Torque
W = L/MBP	-23.3°C / -10°F	Normal
	-6.7°C / 20°F	
X = L/MBP	-23.3°C / -10°F	High
	-6.7°C / 20°F	
4 = M/HBP	-6.7°C / 20°F	High
	+7.2°C / 45°F	

Corresponding to the two first figures of the cooling capacity expressed in Btu/h.
In this example total digits 3, with cooling capacity 50 means 500 Btu/h at 60 Hz.

SAFETY FIRST!

Each service compressor comes complete with:

- Packaging Warning Label
- Product Warning Label
- Detailed Installation Instructions

⚠ DANGER

Risk of Fire or Explosion.
Flammable Refrigerant Used.
(R290 Propane)

	Trained/certified service personnel must be used to replace or install a compressor.
	Use piercing valves, recovery unit, and purge with dry nitrogen to remove any refrigerant.
	Do not puncture/cut refrigerant tubes, or use torch until flammable refrigerant is removed.
	Turn electrical power off. Remove all sources of ignition before servicing.
	Follow service manual safety precautions and installation instructions.
	A combustible gas leak detector is to be used throughout servicing.
	Do not use mechanical devices to remove frost in freezer/refrigerator.
	Follow instructions for careful handling of refrigerant, compressor, and parts.
	Dispose of used refrigerant and components in accordance with federal or local regulations.

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