

R290 SCROLL COMPRESSORS

ZS INVERTER SERIES

FOR PROVEN RELIABILITY AND PERFORMANCE

Well-established horizontal scroll compressors for refrigeration applications, with a horizontal design and low profile to enable more valuable retail space to be generated.

Variable speed options save considerable energy by replacing on-off operation with a gradual change in speed, while precisely matching output to cooling demand for more precise temperature control.

Reduction in noise and vibration, during start up and operation, compared to equivalent reciprocating and rotary compressors.

With a wide working range, a single model can be used for LBP, MBP and HBP applications, and even different refrigerants. This simplifies design, production and procurement by using the same model in showcases of different types and sizes or being manufactured for different customers or international markets.

About Hitachi : *In 1983, Hitachi manufactured the world's first scroll compressor for air conditioning. It developed the first scroll compressor for refrigeration in 1988. Production of the ZS series began in 2001.*

FEATURES

- 9.8CC, 15.9CC & 20.1CC models
- Low energy consumption
- Approved for use with Optidrive Coolvert inverter drive
- Built-in soft start maximises life-span
- Same model suitable for LBP, MBP and HBP applications
- Low height of 119mm (without feet) and compact design maximises retail display area
- Ideal for island and self-contained display cases
- 1500 to 6000 RPM

OTHER AVAILABLE OPTIONS

- R448A/R449A variable and fixed speed
- R1270 variable and fixed speed

IN DEVELOPMENT

- A2L models (R454C, R455A) (available mid-2024)

HITACHI



9.8CC

15.9CC

20.1CC



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Optidrive Coolvert inverter drive



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HITACHI

R290 MODELS

MODEL	HP	DISPLACEMENT	COOLING CAPACITY		HEIGHT*	
			Watts	BTU/H	MM	INCHES
ZS098XL1	N/A	9.8	440-1750	1604-6381	119	4.69"
ZS159XL1	N/A	15.9	710-2840	2594-10,357	119	4.69"
ZS201XL1	N/A	20.1	890-3295	3276-12,012	119	4.69"
EN12900 MT ARI540 MT LBP/MBP/HBP						

R454C / R455A MODELS

MODEL	HP	DISPLACEMENT	COOLING CAPACITY		HEIGHT*	
			Watts	BTU/H	MM	INCHES
ZY098XN1	N/A	9.8	N/A	N/A	119	4.69"
ZY159XN1	N/A	15.9	N/A	N/A	119	4.69"
ZY201XN1	N/A	20.1	N/A	N/A	119	4.69"
LBP/MBP/HBP						

**without feet*