

HITACHI

R290 Horizontal Scroll Compressor



BLDC INVERTER

- 20% COP improvement R290 vs R404A at MT
- Algebraic scroll wrap optimizes efficiency at LT
- 50% reduction in refrigerant charge, R290 vs. R404A
- Compact profile less than 5.13 in.
- Best-in-class sound quality



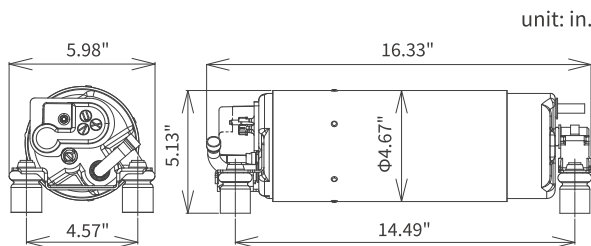
Line-up

Model	Displacement in ³ rev.	Condition	N(Hz)	Cooling capacity BTU/h	Weight (incl.oil) lbs
ZS098XL1	0.6	ARI540 MT	25 - 100.0	1,202 - 5,657	23.8
		ARI540 LT	25 - 100.0	596 - 2,387	
ZS159XL1	1.0	ARI540 MT	25 - 100.0	2,228 - 9,311	24.5
		ARI540 LT	25 - 100.0	1,051 - 4,040	
ZS201XL1	1.2	ARI540 MT	25 - 91.7	3,020 - 10,836	24.0
		ARI540 LT	25 - 91.7	1,348 - 5,035	

Test Condition:

	Te(°F)	Tc(°F)	SC(°F)	Ts(°F)
ARI540 MT	20	120	0	65
ARI540 LT	-26	105	0	65

Dimensions

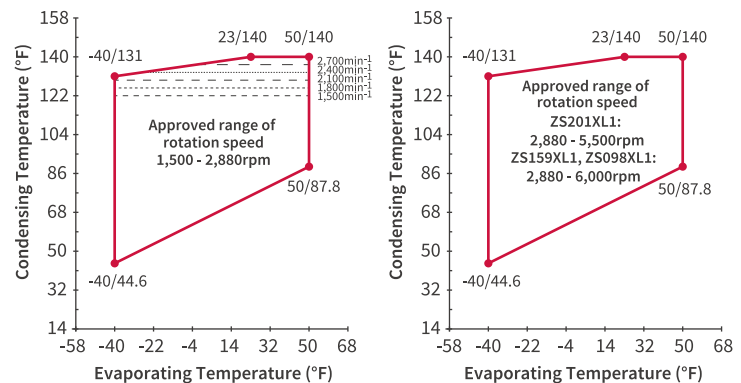


PENN Variable frequency drive

VFD70ABB-001C
VFD70ACC-001C



Operating Envelope (ET/CT)



Cooling & Heating

HITACHI

FIXED SPEED

- 30% COP improvement R290 vs R404A at MT
- 50% reduction in refrigerant charge, R290 vs. R404A
- Compact profile less than 5.13 in.
- Best-in-class sound quality



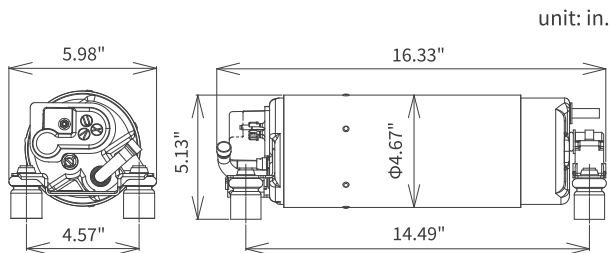
Line-up

Model	Displacement in ³ rev.	Condition	Power supply	Cooling capacity BTU/h	Weight (incl.oil) lbs
ZS6013X3	0.8	ARI540 MT	1 phase 208 - 230V 60Hz	4,181	27.8
ZS7516X3	1.0	ARI540 MT		5,611	28.0
ZS1120X3	1.2	ARI540 MT		7,187	30.0

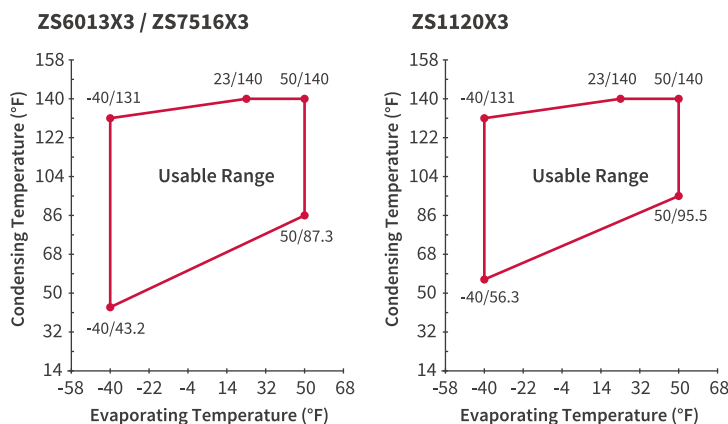
Test Condition:

	Te(°F)	Tc(°F)	SC(°F)	Ts(°F)
ARI540 MT	20	120	0	65
ARI540 LT	-26	105	0	65

Dimensions



Operating Envelope (ET/CT)



Contact Us

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<https://www.penncontrols.com>

