

# **White Whale WR-5395 HBX, 540L**

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | December 27, 2025



The White Whale 540-liter black refrigerator is a large-capacity top-mount model designed for families who need generous storage and efficient cooling in a stylish body. It combines No Frost technology, inverter motor, digital display, and an integrated water dispenser, making it an attractive choice for modern kitchens that prioritise performance and design.

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# **Ariston AB 636 T EX**

Category: Equipment

written by [www.mbsmpro.com](http://www.mbsmpro.com) | December 27, 2025



Ariston AB 636 T EX washing machine rating plate identification and technical specifications for repair technicians

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# **ZMC GL80AF R134a Hermetic Compressor**

Category: Refrigeration

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ZMC GL80AF R134a 1/5 HP hermetic refrigerator compressor technical data and applications  
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## Compressor database chart Relay Olp

Category: Equipment  
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HP	1/8	1/6	1/5	1/4	1/3	1
W	93	125	150	180	245	3
rel(A)	3.0	3.6	4.25	4.75	5.30	6
olp(A)	2.6	3.0	3.35	3.75	4.25	5

A refrigerator compressor does not run alone; it depends on a start relay and an overload protector (OLP) to start safely and avoid burning out. The wiring diagram of compressor, relay, and OLP shows how power flows from the thermostat, through protection devices, to the motor windings, keeping domestic fridges reliable and safe.

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## Tecumseh CAJ9480T R22 Hermetic Compressor: Complete Technical Guide for Professionals

Category: Refrigeration  
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The Tecumseh / L'Unité Hermetique CAJ9480T is a 5/8 HP hermetic compressor delivering about 1 968 W of cooling capacity for R22 commercial refrigeration systems. It is widely used in small cold rooms, display cabinets and compact condensing units. This Mbsmgroup guide explains its main specifications, applications, installation tips and key technical PDFs.

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## **Replacing Unionaire Sensors with Kiriazi Deep Freezer Probes: What Technicians Must Check First**

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | December 27, 2025



The picture shows a refrigeration technician holding several tubular temperature probes and a small white connector in front of a heavily frosted evaporator, capturing the exact moment of diagnosing a sensor fault in a no-frost fridge or deep freezer. This real-world scene raises a key question: can Unionaire sensors be safely replaced with Kiriazi probes?

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## **Frascold D2-15Y / D2-15.1Y**

Category: Refrigeration

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The Frascold D2 15Y is a semi-hermetic reciprocating compressor designed for commercial and industrial refrigeration. With a 2 HP motor and 15.4 m<sup>3</sup>/h displacement, it delivers around 6-7 kW of cooling capacity using R404A, R448A or R449A, making it a robust option for low and medium temperature applications.

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## **Copeland-15hp**

Category: Refrigeration

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The photos show a Copeland condensing unit on a steel base, with a semi-hermetic compressor, air-cooled condenser and vertical liquid receiver designed for cold room applications. This type of refrigeration unit is widely used in commercial food storage because it delivers stable temperature control, good energy efficiency and straightforward maintenance for professional technicians.

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## **Zener Diode Series 1N746 to 1N5369**

### **Overview**

Category: Electronic

written by [www.mbsmpro.com](http://www.mbsmpro.com) | December 27, 2025

1N746 - 3.0V	1N4720 - 3.0V	1N5354 - 30V
1N746 - 3.0V	1N4720 - 3.0V	1N5355 - 30V
1N746 - 4.0V	1N4721 - 4.0V	1N5356 - 40V
1N746 - 4.0V	1N4721 - 4.0V	1N5357 - 40V
1N746 - 5.0V	1N4722 - 5.0V	1N5358 - 50V
1N746 - 5.0V	1N4722 - 5.0V	1N5359 - 50V
1N746 - 6.0V	1N4723 - 6.0V	1N5360 - 60V
1N746 - 6.0V	1N4723 - 6.0V	1N5361 - 60V
1N746 - 7.0V	1N4724 - 7.0V	1N5362 - 70V
1N746 - 7.0V	1N4724 - 7.0V	1N5363 - 70V
1N746 - 8.0V	1N4725 - 8.0V	1N5364 - 80V
1N746 - 8.0V	1N4725 - 8.0V	1N5365 - 80V
1N746 - 9.0V	1N4726 - 9.0V	1N5366 - 90V
1N746 - 9.0V	1N4726 - 9.0V	1N5367 - 90V
1N746 - 10V	1N4727 - 10V	1N5368 - 100V
1N746 - 10V	1N4727 - 10V	1N5369 - 100V
1N746 - 11V	1N4728 - 11V	1N5370 - 110V
1N746 - 11V	1N4728 - 11V	1N5371 - 110V
1N746 - 12V	1N4729 - 12V	1N5372 - 120V
1N746 - 12V	1N4729 - 12V	1N5373 - 120V
1N746 - 13V	1N4730 - 13V	1N5374 - 130V
1N746 - 13V	1N4730 - 13V	1N5375 - 130V
1N746 - 14V	1N4731 - 14V	1N5376 - 140V
1N746 - 14V	1N4731 - 14V	1N5377 - 140V
1N746 - 15V	1N4732 - 15V	1N5378 - 150V
1N746 - 15V	1N4732 - 15V	1N5379 - 150V
1N746 - 16V	1N4733 - 16V	1N5380 - 160V
1N746 - 16V	1N4733 - 16V	1N5381 - 160V
1N746 - 17V	1N4734 - 17V	1N5382 - 170V
1N746 - 17V	1N4734 - 17V	1N5383 - 170V
1N746 - 18V	1N4735 - 18V	1N5384 - 180V
1N746 - 18V	1N4735 - 18V	1N5385 - 180V
1N746 - 19V	1N4736 - 19V	1N5386 - 190V
1N746 - 19V	1N4736 - 19V	1N5387 - 190V
1N746 - 20V	1N4737 - 20V	1N5388 - 200V
1N746 - 20V	1N4737 - 20V	1N5389 - 200V
1N746 - 21V	1N4738 - 21V	1N5390 - 210V
1N746 - 21V	1N4738 - 21V	1N5391 - 210V
1N746 - 22V	1N4739 - 22V	1N5392 - 220V
1N746 - 22V	1N4739 - 22V	1N5393 - 220V
1N746 - 23V	1N4740 - 23V	1N5394 - 230V
1N746 - 23V	1N4740 - 23V	1N5395 - 230V
1N746 - 24V	1N4741 - 24V	1N5396 - 240V
1N746 - 24V	1N4741 - 24V	1N5397 - 240V
1N746 - 25V	1N4742 - 25V	1N5398 - 250V
1N746 - 25V	1N4742 - 25V	1N5399 - 250V
1N746 - 26V	1N4743 - 26V	1N5400 - 260V
1N746 - 26V	1N4743 - 26V	1N5401 - 260V
1N746 - 27V	1N4744 - 27V	1N5402 - 270V
1N746 - 27V	1N4744 - 27V	1N5403 - 270V
1N746 - 28V	1N4745 - 28V	1N5404 - 280V
1N746 - 28V	1N4745 - 28V	1N5405 - 280V
1N746 - 29V	1N4746 - 29V	1N5406 - 290V
1N746 - 29V	1N4746 - 29V	1N5407 - 290V
1N746 - 30V	1N4747 - 30V	1N5408 - 300V
1N746 - 30V	1N4747 - 30V	1N5409 - 300V
1N746 - 31V	1N4748 - 31V	1N5410 - 310V
1N746 - 31V	1N4748 - 31V	1N5411 - 310V
1N746 - 32V	1N4749 - 32V	1N5412 - 320V
1N746 - 32V	1N4749 - 32V	1N5413 - 320V
1N746 - 33V	1N4750 - 33V	1N5414 - 330V
1N746 - 33V	1N4750 - 33V	1N5415 - 330V
1N746 - 34V	1N4751 - 34V	1N5416 - 340V
1N746 - 34V	1N4751 - 34V	1N5417 - 340V
1N746 - 35V	1N4752 - 35V	1N5418 - 350V
1N746 - 35V	1N4752 - 35V	1N5419 - 350V
1N746 - 36V	1N4753 - 36V	1N5420 - 360V
1N746 - 36V	1N4753 - 36V	1N5421 - 360V
1N746 - 37V	1N4754 - 37V	1N5422 - 370V
1N746 - 37V	1N4754 - 37V	1N5423 - 370V
1N746 - 38V	1N4755 - 38V	1N5424 - 380V
1N746 - 38V	1N4755 - 38V	1N5425 - 380V
1N746 - 39V	1N4756 - 39V	1N5426 - 390V
1N746 - 39V	1N4756 - 39V	1N5427 - 390V
1N746 - 40V	1N4757 - 40V	1N5428 - 400V
1N746 - 40V	1N4757 - 40V	1N5429 - 400V
1N746 - 41V	1N4758 - 41V	1N5430 - 410V
1N746 - 41V	1N4758 - 41V	1N5431 - 410V
1N746 - 42V	1N4759 - 42V	1N5432 - 420V
1N746 - 42V	1N4759 - 42V	1N5433 - 420V
1N746 - 43V	1N4760 - 43V	1N5434 - 430V
1N746 - 43V	1N4760 - 43V	1N5435 - 430V
1N746 - 44V	1N4761 - 44V	1N5436 - 440V
1N746 - 44V	1N4761 - 44V	1N5437 - 440V
1N746 - 45V	1N4762 - 45V	1N5438 - 450V
1N746 - 45V	1N4762 - 45V	1N5439 - 450V
1N746 - 46V	1N4763 - 46V	1N5440 - 460V
1N746 - 46V	1N4763 - 46V	1N5441 - 460V
1N746 - 47V	1N4764 - 47V	1N5442 - 470V
1N746 - 47V	1N4764 - 47V	1N5443 - 470V
1N746 - 48V	1N4765 - 48V	1N5444 - 480V
1N746 - 48V	1N4765 - 48V	1N5445 - 480V
1N746 - 49V	1N4766 - 49V	1N5446 - 490V
1N746 - 49V	1N4766 - 49V	1N5447 - 490V
1N746 - 50V	1N4767 - 50V	1N5448 - 500V
1N746 - 50V	1N4767 - 50V	1N5449 - 500V
1N746 - 51V	1N4768 - 51V	1N5450 - 510V
1N746 - 51V	1N4768 - 51V	1N5451 - 510V
1N746 - 52V	1N4769 - 52V	1N5452 - 520V
1N746 - 52V	1N4769 - 52V	1N5453 - 520V
1N746 - 53V	1N4770 - 53V	1N5454 - 530V
1N746 - 53V	1N4770 - 53V	1N5455 - 530V
1N746 - 54V	1N4771 - 54V	1N5456 - 540V
1N746 - 54V	1N4771 - 54V	1N5457 - 540V
1N746 - 55V	1N4772 - 55V	1N5458 - 550V
1N746 - 55V	1N4772 - 55V	1N5459 - 550V
1N746 - 56V	1N4773 - 56V	1N5460 - 560V
1N746 - 56V	1N4773 - 56V	1N5461 - 560V
1N746 - 57V	1N4774 - 57V	1N5462 - 570V
1N746 - 57V	1N4774 - 57V	1N5463 - 570V
1N746 - 58V	1N4775 - 58V	1N5464 - 580V
1N746 - 58V	1N4775 - 58V	1N5465 - 580V
1N746 - 59V	1N4776 - 59V	1N5466 - 590V
1N746 - 59V	1N4776 - 59V	1N5467 - 590V
1N746 - 60V	1N4777 - 60V	1N5468 - 600V
1N746 - 60V	1N4777 - 60V	1N5469 - 600V
1N746 - 61V	1N4778 - 61V	1N5470 - 610V
1N746 - 61V	1N4778 - 61V	1N5471 - 610V
1N746 - 62V	1N4779 - 62V	1N5472 - 620V
1N746 - 62V	1N4779 - 62V	1N5473 - 620V
1N746 - 63V	1N4780 - 63V	1N5474 - 630V
1N746 - 63V	1N4780 - 63V	1N5475 - 630V
1N746 - 64V	1N4781 - 64V	1N5476 - 640V
1N746 - 64V	1N4781 - 64V	1N5477 - 640V
1N746 - 65V	1N4782 - 65V	1N5478 - 650V
1N746 - 65V	1N4782 - 65V	1N5479 - 650V
1N746 - 66V	1N4783 - 66V	1N5480 - 660V
1N746 - 66V	1N4783 - 66V	1N5481 - 660V
1N746 - 67V	1N4784 - 67V	1N5482 - 670V
1N746 - 67V	1N4784 - 67V	1N5483 - 670V
1N746 - 68V	1N4785 - 68V	1N5484 - 680V
1N746 - 68V	1N4785 - 68V	1N5485 - 680V
1N746 - 69V	1N4786 - 69V	1N5486 - 690V
1N746 - 69V	1N4786 - 69V	1N5487 - 690V
1N746 - 70V	1N4787 - 70V	1N5488 - 700V
1N746 - 70V	1N4787 - 70V	1N5489 - 700V
1N746 - 71V	1N4788 - 71V	1N5490 - 710V
1N746 - 71V	1N4788 - 71V	1N5491 - 710V
1N746 - 72V	1N4789 - 72V	1N5492 - 720V
1N746 - 72V	1N4789 - 72V	1N5493 - 720V
1N746 - 73V	1N4790 - 73V	1N5494 - 730V
1N746 - 73V	1N4790 - 73V	1N5495 - 730V
1N746 - 74V	1N4791 - 74V	1N5496 - 740V
1N746 - 74V	1N4791 - 74V	1N5497 - 740V
1N746 - 75V	1N4792 - 75V	1N5498 - 750V
1N746 - 75V	1N4792 - 75V	1N5499 - 750V
1N746 - 76V	1N4793 - 76V	1N5500 - 760V
1N746 - 76V	1N4793 - 76V	1N5501 - 760V
1N746 - 77V	1N4794 - 77V	1N5502 - 770V
1N746 - 77V	1N4794 - 77V	1N5503 - 770V
1N746 - 78V	1N4795 - 78V	1N5504 - 780V
1N746 - 78V	1N4795 - 78V	1N5505 - 780V
1N746 - 79V	1N4796 - 79V	1N5506 - 790V
1N746 - 79V	1N4796 - 79V	1N5507 - 790V
1N746 - 80V	1N4797 - 80V	1N5508 - 800V
1N746 - 80V	1N4797 - 80V	1N5509 - 800V
1N746 - 81V	1N4798 - 81V	1N5510 - 810V
1N746 - 81V	1N4798 - 81V	1N5511 - 810V
1N746 - 82V	1N4799 - 82V	1N5512 - 820V
1N746 - 82V	1N4799 - 82V	1N5513 - 820V
1N746 - 83V	1N4800 - 83V	1N5514 - 830V
1N746 - 83V	1N4800 - 83V	1N5515 - 830V
1N746 - 84V	1N4801 - 84V	1N5516 - 840V
1N746 - 84V	1N4801 - 84V	1N5517 - 840V
1N746 - 85V	1N4802 - 85V	1N5518 - 850V
1N746 - 85V	1N4802 - 85V	1N5519 - 850V
1N746 - 86V	1N4803 - 86V	1N5520 - 860V
1N746 - 86V	1N4803 - 86V	1N5521 - 860V
1N746 - 87V	1N4804 - 87V	1N5522 - 870V
1N746 - 87V	1N4804 - 87V	1N5523 - 870V
1N746 - 88V	1N4805 - 88V	1N5524 - 880V
1N746 - 88V	1N4805 - 88V	1N5525 - 880V
1N746 - 89V	1N4806 - 89V	1N5526 - 890V
1N746 - 89V	1N4806 - 89V	1N5527 - 890V
1N746 - 90V	1N4807 - 90V	1N5528 - 900V
1N746 - 90V	1N4807 - 90V	1N5529 - 900V
1N746 - 91V	1N4808 - 91V	1N5530 - 910V
1N746 - 91V	1N4808 - 91V	1N5531 - 910V
1N746 - 92V	1N4809 - 92V	1N5532 - 920V
1N746 - 92V	1N4809 - 92V	1N5533 - 920V
1N746 - 93V	1N4810 - 93V	1N5534 - 930V
1N746 - 93V	1N4810 - 93V	1N5535 - 930V
1N746 - 94V	1N4811 - 94V	1N5536 - 940V
1N746 - 94V	1N4811 - 94V	1N5537 - 940V
1N746 - 95V	1N4812 - 95V	1N5538 - 950V
1N746 - 95V	1N4812 - 95V	1N5539 - 950V
1N746 - 96V	1N4813 - 96V	1N5540 - 960V
1N746 - 96V	1N4813 - 96V	1N5541 - 960V
1N746 - 97V	1N4814 - 97V	1N5542 - 970V
1N746 - 97V	1N4814 - 97V	1N5543 - 970V
1N746 - 98V	1N4815 - 98V	1N5544 - 980V
1N746 - 98V	1N4815 - 98V	1N5545 - 980V
1N746 - 99V	1N4816 - 99V	1N5546 - 990V
1N746 - 99V	1N4816 - 99V	1N5547 - 990V
1N746 - 100V	1N4817 - 100V	1N5548 - 1000V
1N746 - 100V	1N4817 - 100V	1N5549 - 1000V

Zener diodes are essential components in voltage regulation and protection circuits. This guide provides a detailed overview of three popular power ratings: 0.5W, 1W, and 5W Zener diode series, covering part numbers from 1N746 to 1N5369 and voltage ranges from 3.3V to 100V. Whether you're designing a power supply, voltage reference, or surge protection circuit, having a complete voltage chart at your fingertips is invaluable for selecting the right component.