

# Mbsm.pro, LRA to Ton

Category: expertise

written by [www.mbsm.pro](http://www.mbsm.pro) | 12 November 2025

## How to Convert

# LRA to TON

1 Phase

TOP COOLING SERVICE

Formula

$$\text{Ton} = \frac{\text{LRA}}{36}$$

$$\text{Ton} = \frac{54}{36}$$

TOP COOLING SERVICE

Ton = 1.5 Answer



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how to convert LRA (Locked Rotor Amps) into refrigeration tons using a simple formula, making HVAC system sizing and diagnostics accessible to field technicians. Using LRA values found on equipment labels, one can quickly estimate system tonnage, ensuring correct sizing for repairs or upgrades in air conditioning and refrigeration systems.

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# Mbsm.pro, Compressor , Copeland, CRFQ-0250-PFV-501, 2.5 hp, CRDQ-0200-PFJ-501, 2 hp, r22

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Mbsm.pro, Compressor , Copeland, CRFQ-0250-PFV-501, 2.5 hp, CRDQ-0200-PFJ-501, 2 hp, r22

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# Mbsm.pro, Embraco,Start Capacitor

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VI

Compressor	Capacitor to be used in capillary systems	Capacitor to be used in expansion valve systems
FFI12BX 115V60Hz	378 to 454 $\mu$ F (115VAC) or 233 to 280 $\mu$ F (150VAC)	378 to 454 $\mu$ F (115VAC)
FFI12BX 220V60Hz	124 to 149 $\mu$ F (180VAC) or 64 to 77 $\mu$ F (250VAC)	124 to 149 $\mu$ F (180VAC)
FFI12HBX 115V60Hz	378 to 454 $\mu$ F (115VAC) or 233 to 280 $\mu$ F (150VAC)	378 to 454 $\mu$ F (115VAC)
FFI12HBX 220V60Hz	124 to 149 $\mu$ F (180VAC) or 64 to 77 $\mu$ F (250VAC)	124 to 149 $\mu$ F (180VAC)
FF8.5BX 115V60Hz	270 to 324 $\mu$ F (115VAC)	270 to 324 $\mu$ F (115VAC)
FF10BX 115V60Hz	270 to 324 $\mu$ F (150VAC)	270 to 324 $\mu$ F (150VAC)
FF10HBX 115V60Hz	282 to 339 $\mu$ F (180VAC)	282 to 339 $\mu$ F (180VAC)
FFI12HAX 115V60Hz	378 to 454 $\mu$ F (150VAC)	378 to 454 $\mu$ F (150VAC)

The relays of the aforementioned compressors have the following characteristics:

\* terminals 11 and 13 are longer than

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Mbsm.pro, Embraco, Start Capacitor

Mbsm.pro, Inverter, BLCD, compressor, refrigerator, R600a, JIAXIPERA, VMH1113Y, 1/6 hp, r600a, lbp

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Mbsm.pro, Inverter, BLCD, compressor, refrigerator, R600a, JIAXIPERA, VMH1113Y, 1/6 hp, r600a, lbp

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Mbsm.pro, Air Conditioner,  
Capacities, and Run Capacitors, with  
+/- 5% Variations, With fun

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Mbsm.pro, Air Conditioner, Capacities, and Run Capacitors, with +/- 5% Variations, With fun

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Mbsm.pro, Refrigerator, MRF-710W, 364 L, National, Defixe, r600a, Compressor, 1/5 hp, inverter

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Mbsm.pro, Refrigerator, MRF-710W, 364 L, National, Defixe, r600a, Compressor, 1/5 hp, inverter

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Mbsm.pro, compressor, AKD46K, 114 w, r134a, Wanbao compressor, 1/8 hp, lbp

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Mbsm.pro, compressor, AKD46K, 114 w, r134a, Wanbao compressor, 1/8 hp, lbp

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Mbsm.pro, Compressor, EE 76613DJH,  
Panasonic, inverter, Blcd, 1/5 hp,  
from to 50 to 260 hz, lbp, r134a, EEI  
Series

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Mbsm.pro, Compressor, EE 76613DJH, Panasonic, inverter, Blcd, 1/5 hp, from to 50 to 260 hz, lbp, r134a, EEI Series

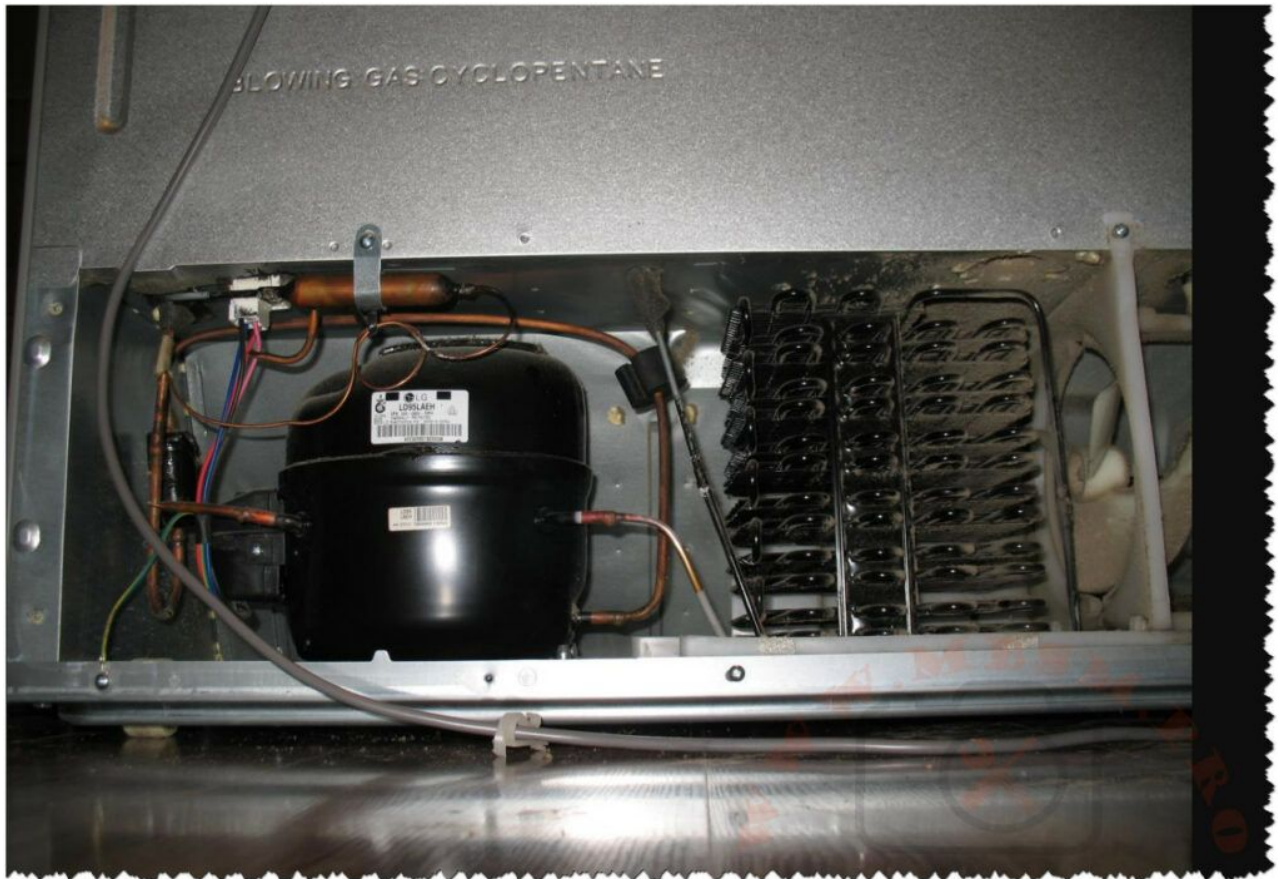
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Mbsm.pro, frigo, LG, GWP2276YLQA,  
Américain, Compressor, LD95LAEH, 1/3  
hp, 290 w, lbp , r134a

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Mbsm.pro, frigo, LG, GWP2276YLQA, Américain, Compressor, LD95LAEH, 1/3 hp, 290 w, lbp , r134a

## low-pressure cut-off switch

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low-pressure cut-off switch