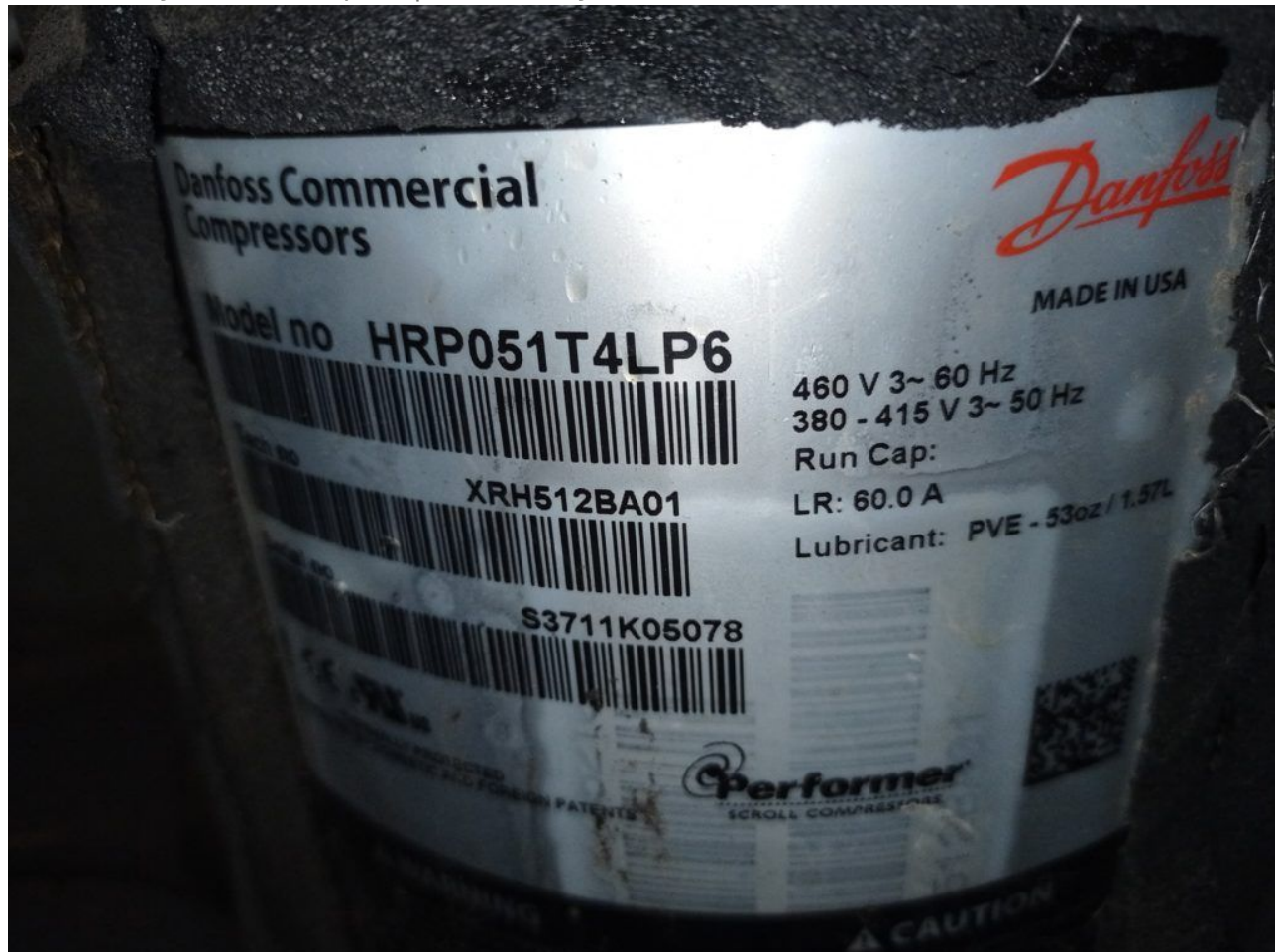


# Mbsm.pro, Scroll, Danfoss, HRP051T4LP6, compressors, Hermetic, 49.15 kBtu/h, R22, R407C, 4 1/4Hp, 3Ph, POE, Lra 60A

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 5 January 2022



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## Product details

Gross weight 39.75 kg

Hp 4 1/4

Net weight 37.08 kg

EAN 5702428224598

Approval standard

CE  
UL

Brand technique

Scroll compressor

Capacity control

Fixed speed

Colour	Black
Compressor power supply [V/Ph/Hz]	380-415/3/50 460/3/60
Configuration code	Single
Connection type	Brazed
Description	HRP051T4
Diameter [mm]	184 mm
Discharge connection height [mm]	422 mm
Discharge connection pipe size [in]	1/2 in
Discharge connection size [in]	1/2 in
Drawing number	0XR6002B-2
Economizer	No
Fitting standard	ODF
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	None
Gaz equalization	None
Glass mounting	None
High side max pressure (Ps)	31.1 bar
High value of nominal voltage at 50Hz [V]	415 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	457 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP22
Length [mm]	239 mm
Low side max pressure (Ps)	26.2 bar
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	460 V
Low value of voltage range at 50Hz [V]	342 V
Low value of voltage range at 60Hz [V]	414 V
LRA	60 A
MCC	13 A
Model number	HRP051T4LP6
Motor protection	Internal overload protector
Nominal cooling capacity 60 kBTU/h	49.15 kBtu/h
Nominal cooling capacity at 50Hz	10.8 kW
Nominal cooling capacity at 60Hz	14.4 kW
Nominal heating capacity at 50Hz	7 kW
Number of starts per hour [Max]	12
Oil charge [L]	1.57 L
Oil drain	None
Oil equalization	None
Oil reference	320HV
Oil type	PVE
Packing format	Industrial pack
Packing quantity	16
Phase	3

<b>Power connections</b>	Spade
<b>Refrigerant</b>	R407C
<b>Refrigerant charge [kg] [Max]</b>	5.44 kg
<b>Relief valve</b>	Yes
<b>RLA</b>	8.3 A
<b>Rotational speed at 50Hz [rpm]</b>	2900 rpm
<b>Rotational speed at 60Hz [rpm]</b>	3500 rpm
<b>Segment usage</b>	Air conditioning
<b>Shipped instructions</b>	Installation instructions
<b>Shipped mounting</b>	Mounting kit with grommets and sleeves
<b>Shipped oil</b>	Initial oil charge
<b>Suction connection height [mm]</b>	280 mm
<b>Suction connection pipe size [in]</b>	7/8 in
<b>Suction connection size [in]</b>	7/8 in
<b>Swept volume [cm<sup>3</sup>]</b>	68.83 cm <sup>3</sup>
<b>Technology</b>	Scroll
<b>Total height [mm]</b>	455 mm
<b>Type</b>	HRP
<b>Type designation</b>	Compressor
<b>Viscosity [cP]</b>	68 cP
<b>Width [mm]</b>	239 mm
<b>Winding resistance 1-2 [Ohm]</b>	2.6 Ohm
<b>Winding resistance 1-3 [Ohm]</b>	2.61 Ohm
<b>Winding resistance 2-3 [Ohm]</b>	2.65 Ohm





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### Nomenclature

	Type	Size	Motor	Features
	<b>HRH</b>	<b>036</b>	<b>U1L</b>	<b>P6</b>

**Application:** \_\_\_\_\_  
**H:** high temperature / air conditioning

**Family:** \_\_\_\_\_  
**C:** commercial scroll  
**R:** residential scroll  
**L:** light commercial scroll

**Refrigerant & lubricant:** \_\_\_\_\_  
**M:** R22, alkylbenzene lubricant  
**P:** R407C, PVE lubricant  
**H:** R410A, PVE lubricant  
**J:** R410A, PVE lubricant

**Nominal capacity:** \_\_\_\_\_  
 In thousand Btu/h at 60 Hz, ARI conditions

**Model variation** \_\_\_\_\_  
**T:** design optimized for 45/130°F  
**U:** design optimized for 45/100°F

**Other features**

	Oil sight glass	Oil equalisation	Oil drain	LP gauge port	Gas equalisation port
<b>6</b>	None	None	None	None	None
<b>8</b>	None	Brazed	None	None	Brazed

**Tubing and electrical connections**  
**P:** brazed connections, spade terminals  
**C:** brazed connections, screw terminals

**Motor protection**  
**L:** internal motor protection

**Motor voltage code**  
**1:** 208-230V/1~/60 Hz  
**2:** 200-220V/3~/50Hz & 208-230V/3~/60 Hz  
**4:** 380-415V/3~/50 Hz & 460V/3~/60 Hz  
**5:** 220-240V/1~/50 Hz  
**7:** 575V/ 3~/60 Hz  
**9:** 380V/3~/60 Hz



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