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

Category: compressor
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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
Power connections	Spade
Refrigerant	R407C
Refrigerant charge [kg] [Max]	5.44 kg
Relief valve	Yes
RLA	8.3 A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets and sleeves
Shipped oil	Initial oil charge
Suction connection height [mm]	280 mm
Suction connection pipe size [in]	7/8 in
Suction connection size [in]	7/8 in
Swept volume [cm3]	68.83 cm^3
Technology	Scroll
Total height [mm]	455 mm
Type	HRP
Type designation	Compressor
Viscosity [cP]	68 cP
Width [mm]	239 mm
Winding resistance 1-2 [Ohm]	2.6 Ohm
Winding resistance 1-3 [Ohm]	2.61 Ohm

Winding resistance 2-3 [Ohm]	2.65 Ohm

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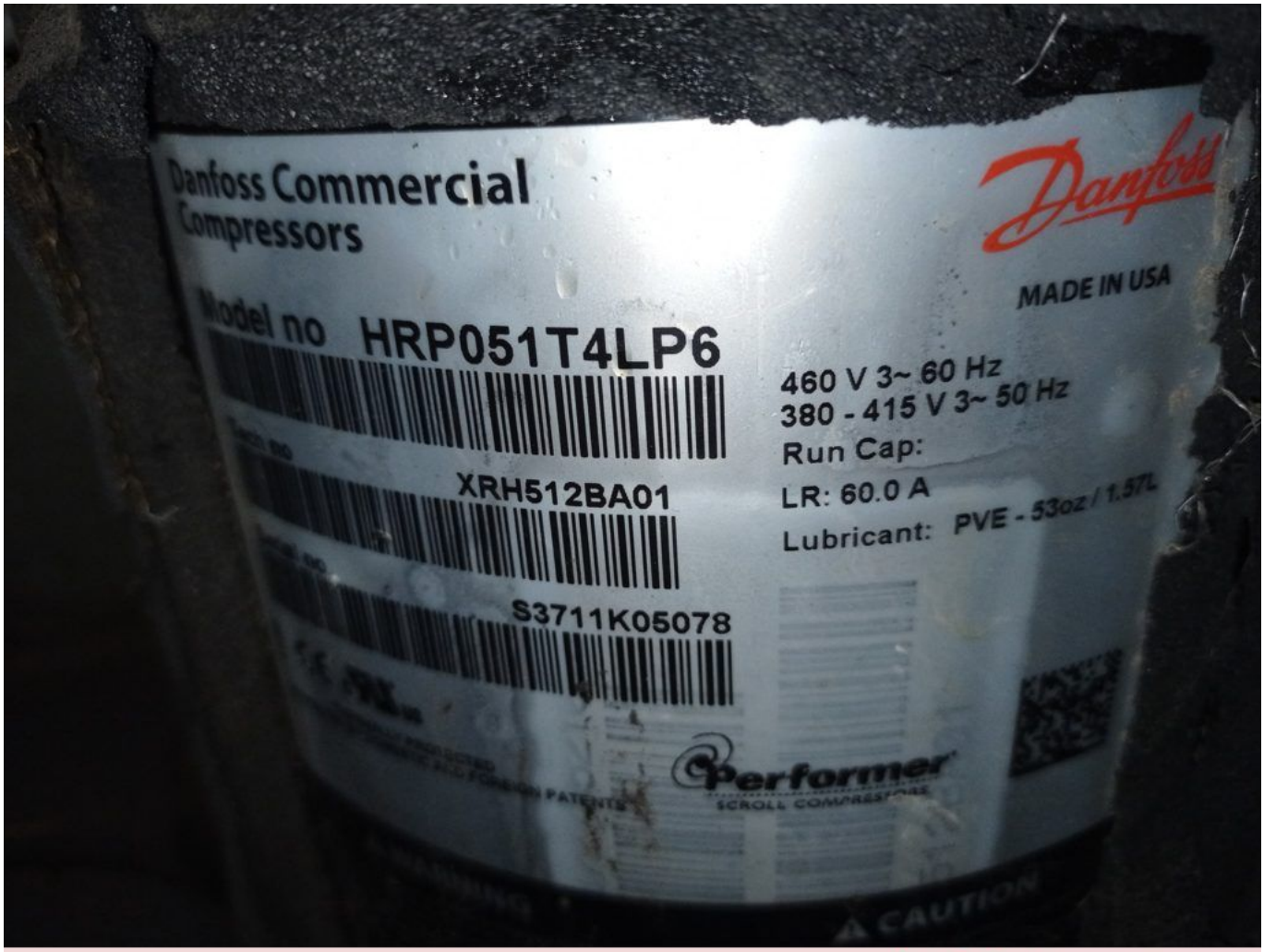

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Nomenclature

Type	Size	Motor	Features
HRH	036	U1L	P6

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 equali-sation	Oil drain	LP gauge port	Gas equa-li-sation port
6	None	None	None	None	None
8	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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