

Mbsm.pro, Compressor, TYA4475YKS, Tecumseh, TYA 4475 YKS, TY302-KS-116, 3/4 hp, hbp, r134

Category: compressor

written by Lilianne | 6 April 2024



Characteristics

Basic

Manufacturer Tecumseh

User characteristics

vendor code TY302KS116F045IJD

Brand Tecumseh

Cylinder volume 22.3

Production: Brazil

Mode hbp

Type Sealed piston

Freon R-134A

Cooling capacity 2081

Power supply 1 phase / 220-240 V / 50 Hz

Hermetic medium-temperature piston compressor is used for medium-power refrigeration equipment (showcases, cabinets, cabinets, etc.). Designed to work as part of a refrigeration machine with R134a refrigerant. Produced at the TECUMSEH plant. Supplied in individual packaging. Rotalock valve for suction under 1/2 nut.

The main features of Tecumseh TYA compressors:

- lower weight and height compared to similar CAJ compressors,
- a thermal protection relay built into the compressor housing,
- a rotallock valve for the compressor suction with a nut.

Test conditions: ASHRAE: $T_o = -23^{\circ}\text{C}$, $T_k = +54^{\circ}\text{C}$, $T_r = +32^{\circ}\text{C}$ LBP

Suction pipeline, inch: Rotalock suction valve for 1/2 nut.

Discharge pipe, inch: soldering

Cylinder volume, cm³: 22.33

Rotalock valve on the discharge pipe: no

Cooling capacity, W: 2081

Power consumption, W: 822

Rotalock valve on the suction pipe: yes

Compressor type: hbp, sealed piston CSR

Compressor height, mm: 234.5

Net weight, kg: 19

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MODEL	HP	Disp. (cm ³)	Motor Type	CAPACITY (Watt)					CURRENT (A)			COP (W/W)	DIAMETER OF CONNECTION		DIMENSION	WEIGHT (KG)
				-34.4 °C	-28.9 °C	-23.3 °C	-17.3 °C	-12.3 °C	I Nom (Amps)	USA Max (Amps)	SUCTION (mm/inches)		LIQUID (mm/inches)			
HBP R-404A	TYA2423ZKS	3/4	16.52	CSR	-	-	-	-	-	3.23	26.0	1.09	12.7 (1/2")	9.5 (3/8")	I	16.9
	TYA2431ZKS	I	18.80	CSR	263	486	770	1115	1445	3.62	26.0	1.17	12.7 (1/2")	9.5 (3/8")	I	16.7
	TYA2438ZKS	1 1/4	22.23	CSR	317	587	930	1346	1744	4.00	24.1	1.25	12.7 (1/2")	9.5 (3/8")	I	17.5
	TYA2446ZKS	1 1/3	26.00	CSR	398	736	1165	1687	2180	4.48	30.0	1.26	12.7 (1/2")	9.5 (3/8")	I	17.7
HBP R-404g					-17.8 °C	-12.3 °C	-6.7 °C	7.2 °C	10 °C							
	TYA9456ZKS	1 1/10	19.00	CSIR	711	1057	1435	2579	2860	6.25	28.5	1.48	12.7 (1/2")	9.5 (3/8")	I	17.5
	TYA9472ZKS	1 1/3	22.30	CSR	871	1294	1757	3158	3502	6.20	33.0	1.57	12.7 (1/2")	9.5 (3/8")	I	17.2
	TYA9486ZKS	1 1/2	26.00	CSR	1034	1537	2086	3750	4158	7.62	36.5	1.52	12.7 (1/2")	9.5 (3/8")	I	17.5
HBP R-22	TYA9448BK	3/4	16.00	CSR	479	712	966	1737	1926	5.20	25.5	1.26	12.7 (1/2")	9.5 (3/8")	I	17.8
	TYA9455BK	I	18.80	CSIR	610	906	1230	2210	2451	5.60	28.0	1.34	12.7 (1/2")	9.5 (3/8")	I	18.1
	TYA9467BK	1 1/6	22.30	CSR	726	1079	1464	2632	2918	5.10	31.0	1.48	12.7 (1/2")	9.5 (3/8")	I	19.3
	TYA9474BK	1 2/5	26.00	CSR	875	1301	1766	3174	3519	6.40	31.5	1.41	12.7 (1/2")	9.5 (3/8")	I	19.3
HBP R-134g					-15.0 °C	-9.4 °C	-3.9 °C	7.2 °C	10 °C							
	TYA4452YKS	1/2	16.00	CSIR	342	605	858	1391	1564	4.00	20.0	2.11	12.7 (1/2")	9.5 (3/8")	I	7.0
	TYA4466YKS	2/3	18.80	CSR	425	751	1056	1728	1943	4.90	19.5	2.05	12.7 (1/2")	9.5 (3/8")	I	7.5
	TYA4475YKS	3/4	22.30	CSR	511	904	1283	2079	2338	3.94	20.0	2.53	12.7 (1/2")	9.5 (3/8")	I	8.1
TYA4489YKS	I	26.00	CSR	590	1044	1482	2401	2700	4.76	25.0	2.45	12.7 (1/2")	9.5 (3/8")	I	8.6	



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