EVCIS-24K-MD, The gas r410a charge weight is approximately 1.80 kg

Category: air conditioner
written by www.mbsm.pro | 29 January 2026



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The Evvoli EVCIS-24K-MD is a robust 2.5 HP rotary compressor designed for 24,000 BTU split-type air conditioners. Running on R410A refrigerant with a 20.0A rated current, it offers high-efficiency cooling and heating (26,000 BTU). This technical guide explores its pressure limits, electrical requirements, and the best replacement compressors for HVAC professionals and field workers.

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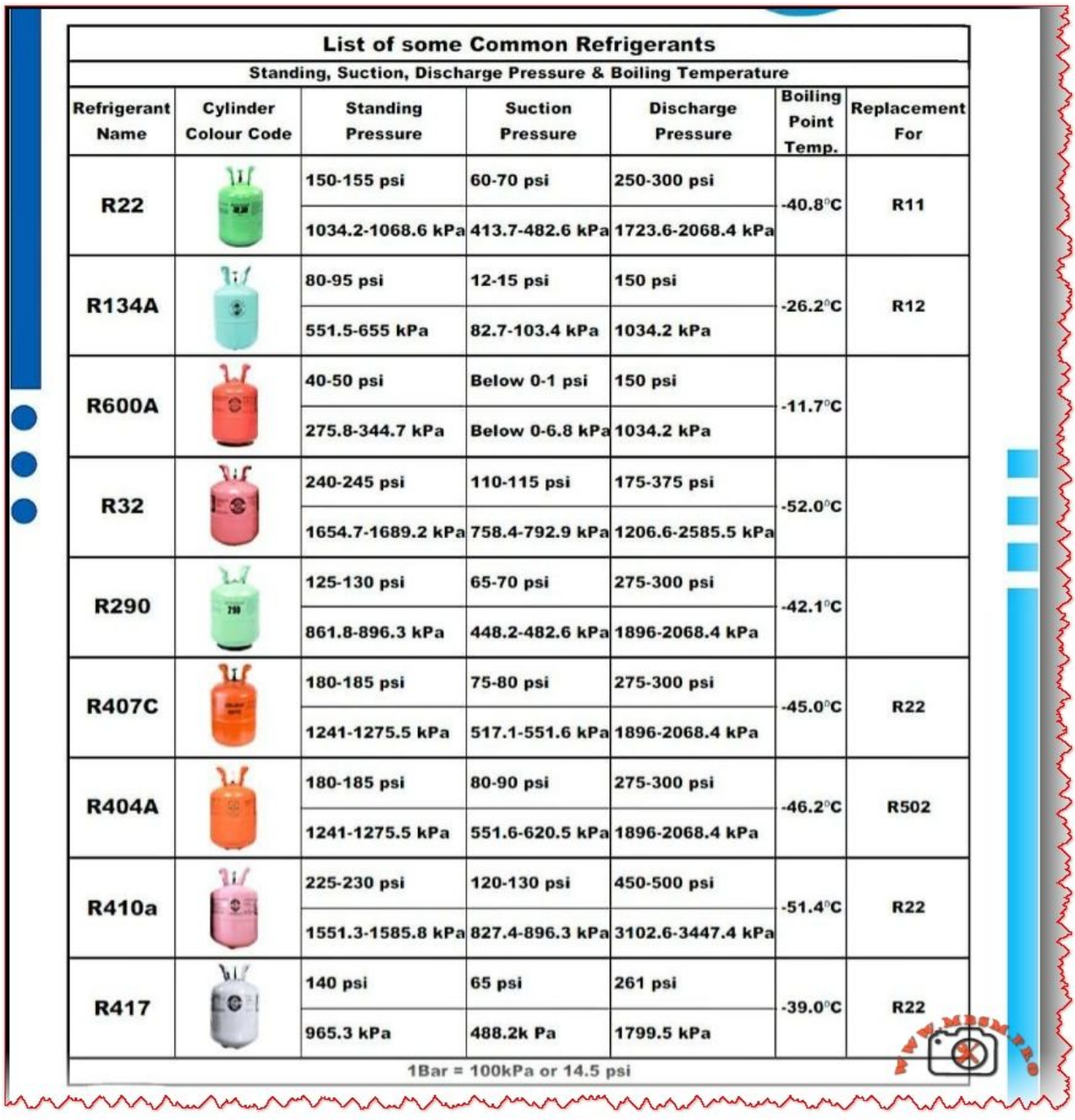


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Refrigerants, Standing, Suction and Discharge Pressures for Modern HVAC Systems

Category: Refrigeration
written by www.mbsm.pro | 29 January 2026



List of some Common Refrigerants

Standing, Suction, Discharge Pressure & Boiling Temperature

Refrigerant Name	Cylinder Colour Code	Standing Pressure	Suction Pressure	Discharge Pressure	Boiling Point Temp.	Replacement For
R22		150-155 psi	60-70 psi	250-300 psi	-40.8°C	R11
		1034.2-1068.6 kPa	413.7-482.6 kPa	1723.6-2068.4 kPa		
R134A		80-95 psi	12-15 psi	150 psi	-26.2°C	R12
		551.5-655 kPa	82.7-103.4 kPa	1034.2 kPa		
R600A		40-50 psi	Below 0-1 psi	150 psi	-11.7°C	
		275.8-344.7 kPa	Below 0-6.8 kPa	1034.2 kPa		
R32		240-245 psi	110-115 psi	175-375 psi	-52.0°C	
		1654.7-1689.2 kPa	758.4-792.9 kPa	1206.6-2585.5 kPa		
R290		125-130 psi	65-70 psi	275-300 psi	-42.1°C	
		861.8-896.3 kPa	448.2-482.6 kPa	1896-2068.4 kPa		
R407C		180-185 psi	75-80 psi	275-300 psi	-45.0°C	R22
		1241-1275.5 kPa	517.1-551.6 kPa	1896-2068.4 kPa		
R404A		180-185 psi	80-90 psi	275-300 psi	-46.2°C	R502
		1241-1275.5 kPa	551.6-620.5 kPa	1896-2068.4 kPa		
R410a		225-230 psi	120-130 psi	450-500 psi	-51.4°C	R22
		1551.3-1585.8 kPa	827.4-896.3 kPa	3102.6-3447.4 kPa		
R417		140 psi	65 psi	261 psi	-39.0°C	R22
		965.3 kPa	488.2k Pa	1799.5 kPa		

1Bar = 100kPa or 14.5 psi

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Explore a practical refrigerant pressure chart with typical standing, suction and discharge pressures plus boiling points for R22, R134a, R32, R404A, R407C, R410A, R290, R600a and R417A.

Mbsm.pro, compressor, QP306P, 18000 btu, 2.25 hp, r410a, 1.5 ton

Category: compressor
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LG QP compressor

QP Series Rotary CompressorsIn Stock
50/60 Hz

Frequency	Voltage	Model	Cooling Capacity Btu/hr	Input Watts	EER Btu/W.hr	COP W/W
60Hz	1Φ,208-230V	QP306K	22,600	6,623	2,055	11.00	3.22
60Hz	1Φ,208-230V	QP325K	24,000	7,033	2,162	11.10	3.25

60Hz	1Φ,208-230V	QP348K	25,900	7,590	2,312	11.20	3.28
60Hz	1Φ,208-230V	QP362K	27,000	7,912	2,455	11.00	3.22
60Hz	1Φ,208-230V	QP376K	27,700	8,117	2,541	10.90	3.19
60Hz	1Φ,208-230V	QP390K	29,200	8,557	2,646	11.04	3.23
60Hz	1Φ,208-230V	QP407K	30,100	8,821	2,736	11.00	3.22
60Hz	1Φ,208-230V	QP425K	31,900	9,348	2,929	10.89	3.19
50Hz	1Φ,220/240V	QP306P	18,450	5,407	1,650	11.18	3.28
50Hz	1Φ,220/240V	QP325P	19,500	5,714	1,773	11.00	3.22
50Hz	1Φ,220/240V	QP348P	20,500	6,007	1,884	10.88	3.19
50Hz	1Φ,220/240V	QP376P	22,500	6,593	2,030	11.08	3.25
50Hz	1Φ,220/240V	QP390P	23,500	6,886	2,080	11.30	3.31
50Hz	1Φ,220/240V	QP407P	24,400	7,150	2,180	11.19	3.28
50Hz	1Φ,220/240V	QP425P	25,600	7,502	2,335	10.96	3.21
50Hz	3Φ,380-420V	QP425Y	25,000	7,326	2,380	10.50	3.08

LG compressors QP306K
Voltage : 208-230 V/ 60 hz/ 1ph
EER: 11.00 W
Refrigerant : R410A
BTU : 22,600
COP : 3.22
Tecnology : On/Off
Motor type : Single
Weight 8,6 kg
Dimensions : 28 Ã— 28 Ã— 38 cm
Similar models : QP325K(24,000 btu), QP348K(25,900 btu), QP362K(27,000 btu), QP376K(27,700 btu), QP390K(29,200 btu), QP407K(30,100 btu), QP425K(31,900 btu), QP306P(18,450 btu), QP325P(19,500 btu), QP348P(20,500 btu), QP376P(22,500 btu), QP390P(23,500 btu), QP407P(24,400 btu), QP425P(25,600 btu), QP425Y(25,000 btu)



Mbsm.pro, Tecumseh,1/2 hp, HBP, Caj4461y, Caj4461A, Tecumseh, Compressor, Refrigeration, R410A, CAJ9510T-F1, 1hp, hbp

Category: compressor
written by www.mbsm.pro | 29 January 2026



Mbsm.pro, Tecumseh,1/2 hp, HBP, Caj4461y, Caj4461A, Tecumseh, Compressor, Refrigeration, R410A, CAJ9510T-F1, 1hp, hbp

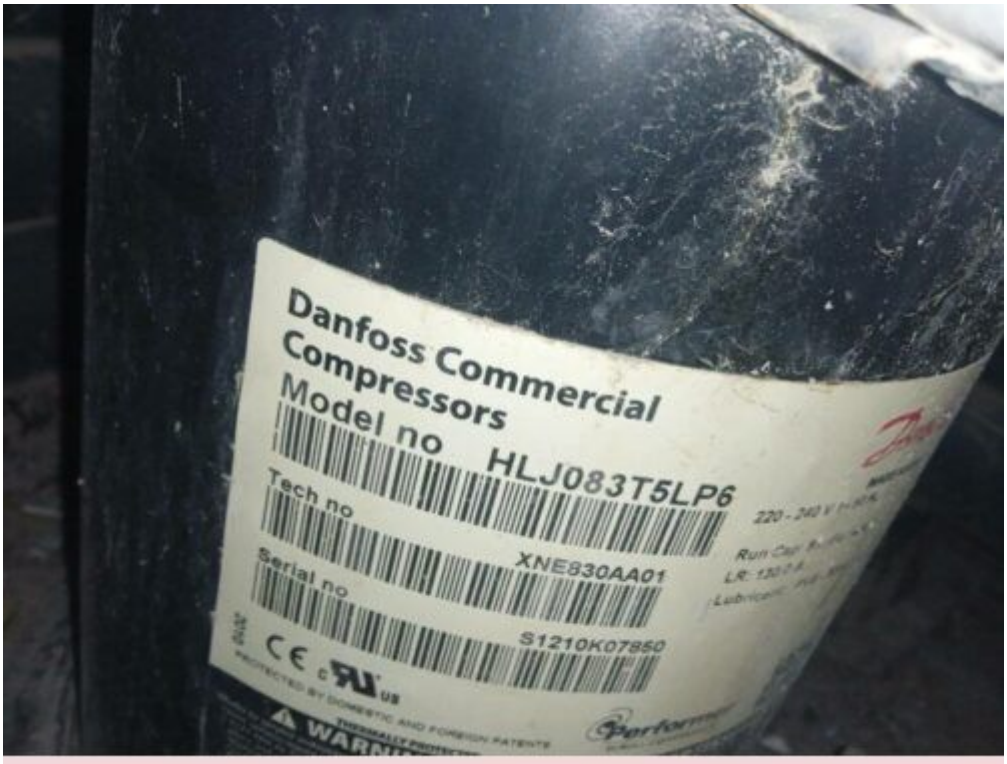
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Mbsm.pro, Danfoss, Scroll, Compressors, HRH, HLH, HLJ, R410A, 6hp, HLJ072T5LP6, HLJ075T5LP6, HLJ083T5LP6, 3 ph, 380 v

Category: compressor
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Norme d’approbation

CE
-UL

Résistance de l’enroulement auxiliaire (enroulement de démarrage) pour les compresseurs monophasés [Ohm]	1,02 ohm
Technique de la marque	Compresseur scroll
Contrôle de capacité	Vitesse fixe
Capacité du condensateur A	55 µF
Capacité du condensateur B	88-108 µF
Couleur	Noir
Alimentation du compresseur [V/Ph/Hz]	220-240/1/50
Code de configuration	Seul
Type de connexion	Brasé
La description	HLJ083T5
Diamètre [mm]	184 millimètres
Hauteur de raccordement de refoulement [mm]	422 millimètres
Taille du tuyau de raccordement de décharge [po]	1/2 po
Taille de la connexion de décharge [po]	1/2 po
Numéro de dessin	0XR6002B-2
Économiseur	Non
Norme de montage	FDAL
Fréquence [Hz]	50
Orifice manomètre HP	Aucun
Orifice de jauge LP	Aucun
Égalisation gaz	Aucun
Montage sur verre	Aucun
Pression max côté haut (Ps)	46,1 bars
Valeur haute de la tension nominale à 50Hz [V]	230V
Valeur haute de la tension nominale à 60Hz [V]	0V
Valeur élevée de la plage de tension à 50 Hz [V]	253V
Valeur élevée de la plage de tension à 60 Hz [V]	0V
Classe de protection IP	IP22
Longueur [mm]	239 millimètres
Pression max côté bas (Ps)	31,1 bars
Basse valeur de la tension nominale à 50Hz [V]	230V
Basse valeur de la tension nominale à 60Hz [V]	0V
Valeur basse de la plage de tension à 50 Hz [V]	207V
Valeur basse de la plage de tension à 60 Hz [V]	0V
LRA	130 A
Résistance de l’enroulement principal pour les compresseurs monophasés [Ohm]	0,39 ohm
CMC	50 A
Numéro de modèle	HLJ083T5LP6
Protection moteur	Protecteur de surcharge interne
Puissance frigorifique nominale à 50Hz	17,3kW
Puissance calorifique nominale à 50Hz	11,3kW
Charge d’huile [L]	1,57L
Vidange d’huile	Aucun
Égalisation d’huile	Aucun

Référence huile	320HV
Type d’huile	PVE
Forme d’emballage	Paquet individuel/palette
Quantité d’emballage	16
Phase	1
Connexions électriques	Bêche
Réfrigérant	R410A
Charge de réfrigérant [kg] [Max]	5,44 kilogrammes
Modèle de relais	3ARR3*25AS*
Soupape de décharge	Oui
RLA	32 A
Vitesse de rotation à 50 Hz [tr/min]	2900 tr/min
Vitesse de rotation à 60 Hz [tr/min]	0 tr/min
Utilisation des segments	Climatisation
Instructions expédiées	Instructions d’installation
Montage livré	Kit de montage avec œillets et manchons
Pétrole expédié	Charge d’huile initiale
Hauteur du raccord d’aspiration [mm]	280 millimètres
Taille du tuyau de raccordement d’aspiration [po]	7/8 po
Taille du raccord d’aspiration [in]	7/8 po
Volume balayé [cm3]	78,08 cm³
Technologie	Faire défiler
Hauteur totale [mm]	455 millimètres
Taper	HLJ
Désignation de type	Compresseur
Viscosité [cP]	68 cP
Tension du condensateur A [V]	440V
Tension du condensateur B [V]	330V
Largeur [mm]	239 millimètres

Danfoss Scroll Compressors HRH, HLH, HLJ

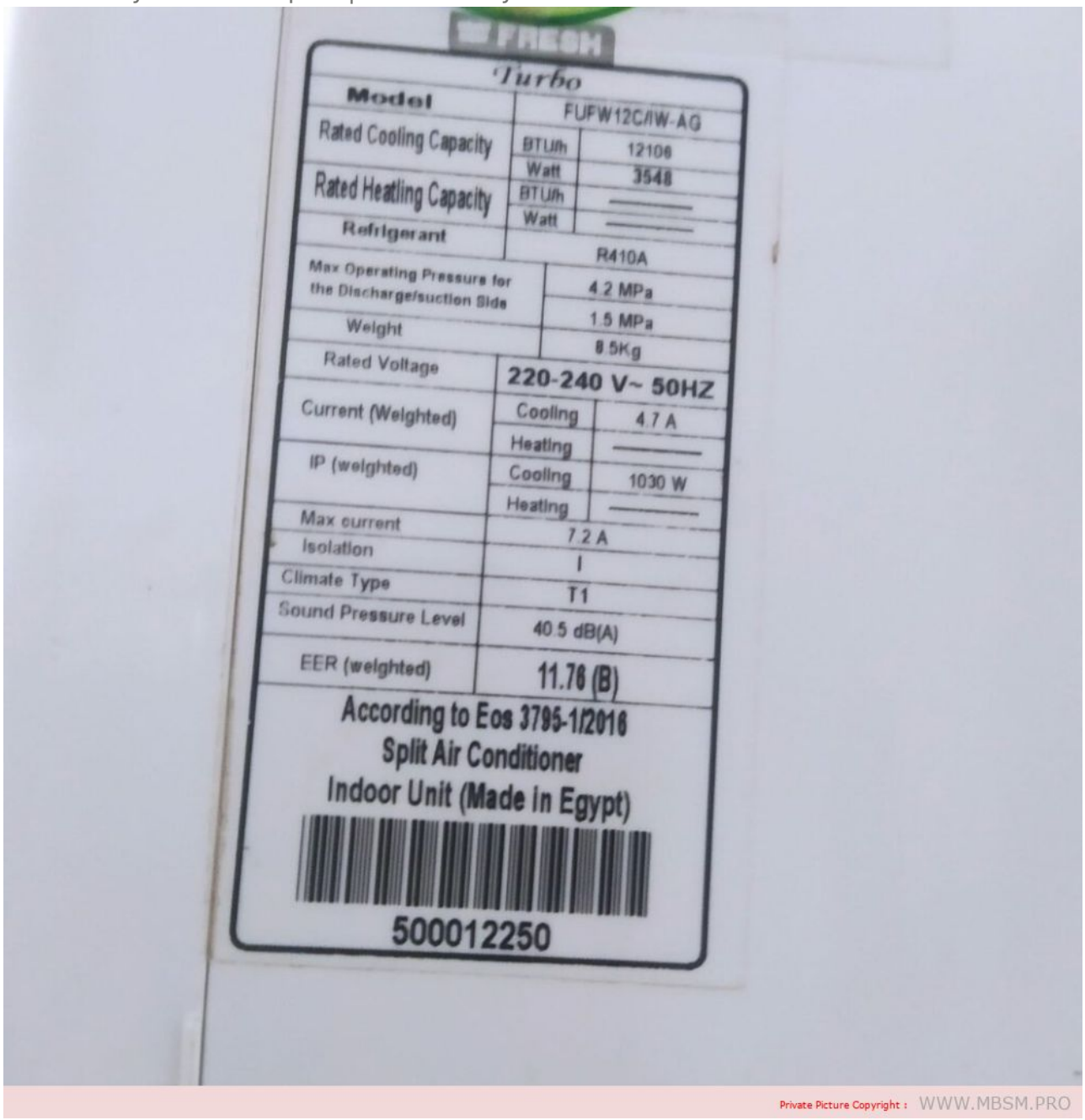
MODEL DANFOSS	CODE DANFOSS M-PACK	REFRI-GERANT	VOLTAGE	Cond. tº +45°C and Nominal capacity at 50Hz R410 EVAPORATING TEMPERATURE °C (BTU/HR) 7,2ºC 50Hz	POWER INPUT (Kw)	Swept Volume DISPL. sm³/r	Displ. m³/h
HRH031U4LP6	120U1191	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	29484	2,67	29,8	5,19
HRH031U5LP6	120U1166	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	29484			

HRH032U4LP6	120U1196	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	29942	2,75	30,6	5,33
HRH032U5LP6	120U1171	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	29942			
HRH036U4LP6	120U1201	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	34493	3,13	34,7	6,04
HRH036U5LP6	120U1176	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	34493			
HRH038U4LP6	120U1206	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	36353	3,35	36,5	6,36
HRH038U5LP6	120U1181	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	36353			
HRH040U4LP6	120U1211	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	39789	3,58		–
HRH040U5LP6	120U1186	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	39789			
HRH041U4LP6	120U1356	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	39077			
HRH044U4LP6	120U1361	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	42309	3,92	42,6	7,41
HRH049U4LP6	120U1366	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	47079	4,04	47,4	8,24
HRH051U4LP6	120U1371	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	50057	4,21	49,3	8,58
HRH051U5LP6	120U1326	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	50057			
HRH054U4LP6	120U1376	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	52103	4,41	52,1	9,07
HRH054U5LP6	120U1331	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	52103			
HRH056U4LP6	120U1381	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	53997	4,58	54,1	9,42
HRH056U5LP6	120U1336	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	53997			
HLH061T4LC6	120U2052	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	57408	4,89	57,8	10,10
HLH068T4LC6	120U1391	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	65244	5,26	64,4	11,21
HLH068T5LP6	120U1341	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	65244			
HLJ072T4LC6	120U1396	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	68892			
HLJ072T5LP6	120U1346	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	68028	6,09		–
HLJ083T4LC6	120U1401	R410A	380-400V/3~/50Hz & 460V/3~/60Hz	79393			
HLJ083T5LP6	120U1351	R410A	220-240V/1~/50Hz & 265V/1~/60Hz	77059	7,02		–

Mbsm.pro, Fufw12caw-ag, air

conditioner, Fresh, turbo, Cooling, heating, 12000 Btu, 1.5 hp, 1 ton, r410a, 850 grams, 8 Bar, 115 psi

Category: air conditioner
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Mbsm.pro, Fufw12caw-ag, air conditioner, Fresh, turbo, Cooling, heating, 12000 Btu, 1.5 hp, 1 ton, r410a, 850 grams

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Mbsm.pro, air conditioner, Trust

International For Electronics, ASTW-H18SDE-DC, inverter, dc, 18000 btu, R410a, 1500g, T3, 1.5 tons

Category: air conditioner
written by www.mbsm.pro | 29 January 2026



Mbsm.pro, air conditioner, Trust International For Electronics, ASTW-H18SDE-DC, inverter, dc, 18000 btu, R410a, 1500g, T3, 1.5 tons

Mbsm.pro, GREE, Air Conditioners, VRF-system, GMV-615WM/G-X, inverter, 22 hp, 615000 btu/h, 61.5 kw, Cooling / heating, r410a, dc motor, multi-speed, T3, 380-415V 3N~50/60Hz

Category: air conditioner
written by www.mbsm.pro | 29 January 2026



Mbsm.pro, GREE, VRF-system, GMV-615WM/G-X, inverter, 22 hp, 615000 btu/h, 61.5 kw, Cooling / heating, r410a, dc motor, multi-speed, T3

Mbsm.pro, compressor, TS33vdec, air conditioner, Mitsubishi Hermetic, Refrigeration, Rotary Compressor,

Model Ts33vdec, 1 Hp, 10098 btu/h, 945 w, R410A

Category: air conditioner,Archivation,compressor
written by www.mbsm.pro | 29 January 2026



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TS33vdec