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 | 5 January 2022

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

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Mbsm.pro, démonter une clim sans perdre le gaz

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Mbsm.pro, démonter une clim sans perdre le gaz

Mbsm.pro, Danfoss, Compressor, SM160T4RC, SM-160, 13hp, 3ph, R22, 133500BTU

Category: compressor
written by www.mbsm.pro | 5 January 2022

SM160T4RC

Basic Info.

Model NO.Sm160N.W.90kgTransport PackagePackage: Wooden Case/Pallet or as Your RequirmentSpecificationSM series SM090TrademarkperfomerOriginFranceHS Code8414301300Production Capacity50000 Sets/Year

Product Description

SM-160 Performer Scroll compressor for R22
13HP Performer Scroll Compressor SM160
SPECIFICATIONS FOR SM160

Products Details	Models: SM160	Type	Hermetic
Power	Phase	3	
Horse Power	HP	13	
Main performance parameters	Input Power	W	380-420/3/60
REFRIGRANT		R22	
SIZE		54.0/35.0	
Physcial parameters	Hight	MM	353
Weight	KG	90	
Q’ty / Pallet	PIECE	6	

Product Description

5.Techincal sheet as below:

50Hz
Data

Model	Nominal Cap.60HZ	Nominal cooling capacity	Power input	Cop	E.E.R.	Swept Volume	Displacement	Oil charge	N.W.	
TR	W	Btu/h	KW	W/W	Btu/h/W	cm/rew	m/h	dm	kg	
SM084	7	20400	69600	6.12	3.33	11.4	114.5	19.92	3.3	64
SM090	7.5	21800	74400	6.54	3.33	11.4	120.5	20.97	3.3	65
SM100	8	23100	79000	6.96	3.33	11.3	127.2	22.13	3.3	65
SM110	9	25900	88600	7.82	3.32	11.3	144.2	25.09	3.3	73
SM112	9.5	27600	94400	7.92	3.49	11.9	151.5	26.36	3.3	64
SM115	9.5	28000	95600	8.31	3.37	11.5	155	26.97	3.8	78
SM120	10	30100	102800	8.96	3.36	11.5	166.6	28.99	3.3	73
SM124	10	31200	106300	8.75	3.56	12.2	169.5	29.5	3.3	64
SM125	10	30100	102800	8.93	3.37	11.5	166.6	28.99	3.8	78
SM147	12	36000	123000	10.08	3.58	12.2	193.5	33.7	3.3	67
SM148	12	36100	123100	10.8	3.34	11.4	199	34.6	3.6	88
SM160	13	39100	133500	11.6	3.37	11.5	216.6	37.69	4	90
SM161	13	39000	133200	11.59	3.37	11.5	216.6	37.69	3.6	88
SM175	14	42000	143400	12.46	3.37	11.5	233	40.54	6.2	100

Product details

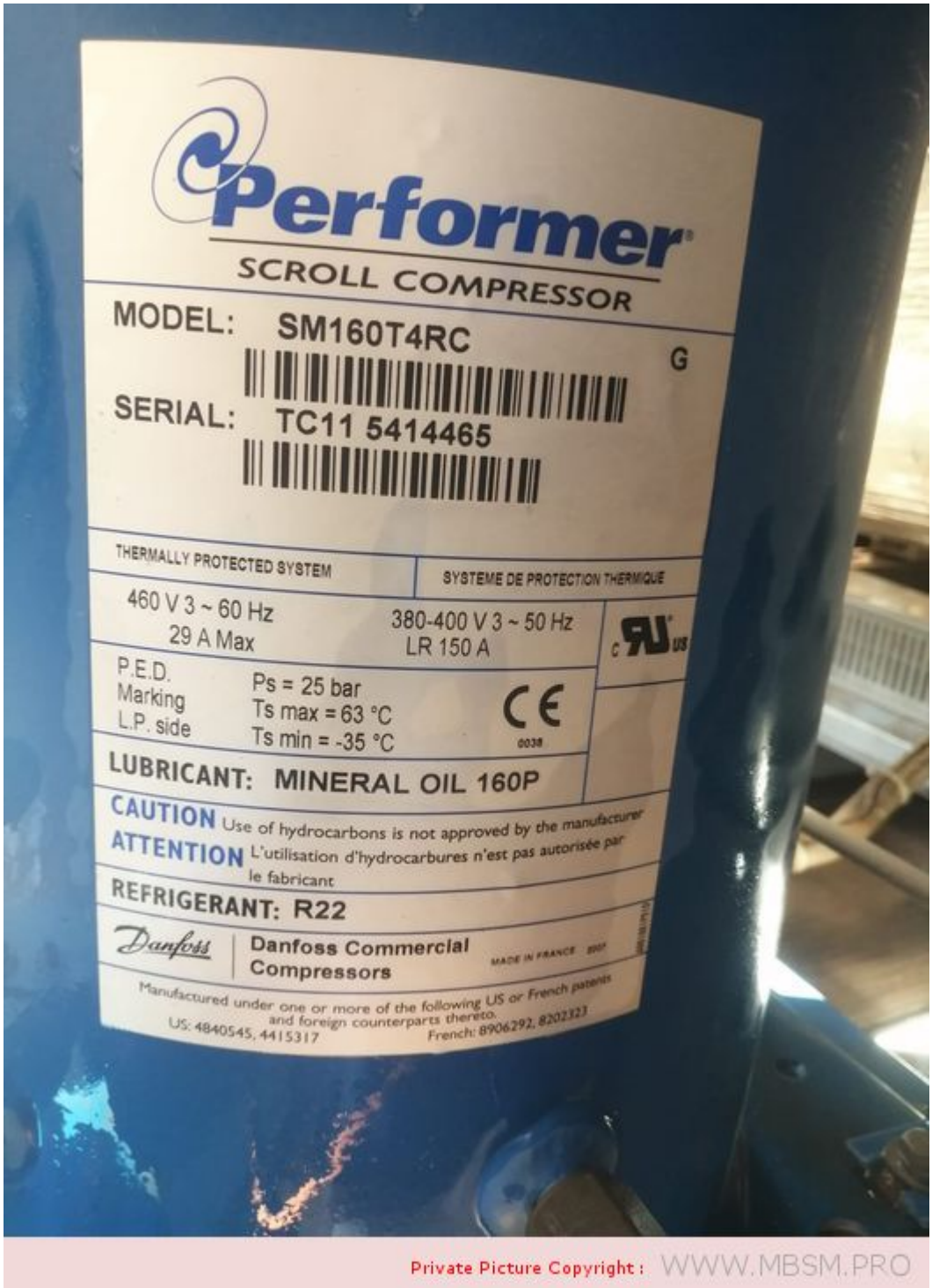
Gross weight 102 kg
Net weight 90 kg
EAN 5702428980432

Approval standard	CE UL
Brand technique	After sale
Capacity control	Fixed speed
Colour	Blue

Compressor power supply [V/Ph/Hz]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Description	SM160-4
Diameter [mm]	266 mm
Discharge connection height [mm]	596 mm
Discharge connection mounting torque [Nm]	110 Nm
Discharge connection pipe size [in]	7/8 in
Discharge connection rotolock size [in]	1 3/4 in
Discharge connection size [in]	1 3/4 in
Discharge connection sleeve pipe size [in]	7/8 in
Drawing number	8551120b
Economizer	No
Factory HP [bar]	33 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Generation code	C
Glass mounting	Threaded
Glass torque [Nm]	50 Nm
GP LP torque [Nm]	15 Nm
High side max pressure (Ps)	30.2 bar
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	1.7 L
High value of nominal voltage at 50Hz [V]	400 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	440 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP54 (with cable gland)
Low side max pressure (Ps)	25 bar
Low Side TS Max	63 °C
Low Side TS Min	-35 °C
Low Side Volume	16.5 L
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	150 A
Maximum Operating Current [MOC]	29 A
MMT	29 A
Model number	SM160T4RC

Motor protection	Internal thermostat, ext. overload protector needed
Mounting torque [Nm]	21 Nm
Nominal cooling capacity 60 kBTU/h	163.14 kBtu/h
Nominal cooling capacity at 50Hz	35.3 kW
Nominal cooling capacity at 60Hz	47.8 kW
Number of starts per hour [Max]	12
Oil charge [L]	4 L
Oil drain	1/4” flare
Oil drain torque [Nm]	35 Nm
Oil equalization	3/8” flare SAE
Oil equalization torque [Nm]	48 Nm
Oil reference	160P
Oil type	Mineral
Packaging height [mm]	671 mm
Packaging length [mm]	470 mm
Packaging weight [Kg]	671 kg
Packaging width [mm]	370 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw 4.8 mm
Refrigerant	R22
Refrigerant charge [kg] [Max]	12.5 kg
Relief valve	None
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	180 mm
Suction connection mounting torque [Nm]	130 Nm
Suction connection pipe size [in]	1 3/8 in
Suction connection rotolock size [in]	2 1/4 in
Suction connection size [in]	2 1/4 in
Suction connection sleeve pipe size [in]	1 3/8 in
Swept volume [cm3]	216.6 cm^3
Technology	Scroll
Test dif [bar] [Max]	24 bar
Test HP [bar] [Max]	32 bar
Test LP [bar] [Max]	25 bar

Torque earth [Nm]	2 Nm
Torque Ebox cover [Nm]	2.3 Nm
Torque power [Nm]	3 Nm
Total height [mm]	631 mm
Type	SM
Type designation	Compressor
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	0.94 Ohm



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Mbsm.pro, Compressor, AZ1339Y, 134a, Replaced by, THB1340Y, 1/8 Hp, PTCSIR, Lbp

Category: compressor
written by www.mbsm.pro | 5 January 2022

UH0120006 THB1335Y 1/12 3,58 250 C 41 58 81 109 142 181 PTCSIR 220/1/50 84,7 0,53 7,25
UH0120041 THB1340Y 1/10 4,23 250 C 49 72 99 132 170 213 PTCSIR 220/1/50 93 0,59 9

UH0120076 THB1350Y 1/8 5,6 250 C 56 83 118 162 214 275 PTCSIR 220/1/50 108 0,71 9
UH0120111 THB1360Y 1/6 6,1 250 C 76 105 141 185 238 300 PTCSIR 220/1/50 129 0,88 11
UH0120146 AZ1320Y 1/15 2,95 270 C 19 32 48 69 95 125 PTCSIR 220/1/50 67,3 0,47 7,3
UH0120181 AZ1330Y 1/12 3,6 270 C 34 51 73 99 130 166 PTCSIR 220/1/50 81,7 0,51 6,9
UH0120216 AZ1335Y 1/10 4 250 C 41 58 81 109 142 181 PTCSIR 220/1/50 87,2 0,56 10
UH0120251 AZ1339Y 1/8 5 270 C 45 69 99 135 178 228 PTCSIR 220/1/50 102 0,72 10
UH0120286 AZ1348Y 1/6 5,6 250 C 59 83 116 158 209 271 PTCSIR 220/1/50 123 0,87 11
UH0120321 AZ1355Y 1/6 5,9 300 C 70 101 141 189 246 312 PTCSIR 220/1/50 127 0,87 11
UH0120356 AEZ1370Y 1/5 8,1 450 C 98 133 180 239 311 397 PTCSIR 220/1/50 172 1,19 11
UH0120391 AEZ1365Y 1/5 8,9 450 C 85 129 185 254 335 430 PTCSIR 220/1/50 181 1,20 10

Highlights Fagor Compressor Az1339y-f R134a

Modèles Models	R-	Remplacé par Superseded by	R-	Remplacé par Superseded by	R-	Remplacé par Superseded by	R-
P1218	12	AE14Z6	12	AZ1320/AD	12	AZ1320Y	134a
P/SP1219	12	AM12Z7	12	AE12W	12	AE12Z7	12
AZ1335Y	134a	THB1335Y	134a				
AZ1339Y	134a	THB1340Y	134a				
P/SP91	12	AE8ZA7	12	AEZ1336A	12	AZ1335A/D	12
AE65ZD7	12	XXXXXX		XXXXXX		AZ1348Y	134a

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UH0120006	THB1335Y	1/12	3,58	250	C		41	58	81	109	142	181		PTCSIR	220/1/50	84,7	0,53	7,25
UH0120041	THB1340Y	1/10	4,23	250	C		49	72	99	132	170	213		PTCSIR	220/1/50	93	0,59	9
UH0120076	THB1350Y	1/8	5,6	250	C		56	83	118	162	214	275		PTCSIR	220/1/50	108	0,71	9
UH0120111	THB1360Y	1/6	6,1	250	C		76	105	141	185	238	300		PTCSIR	220/1/50	129	0,88	11
UH0120146	AZ1320Y	1/15	2,95	270	C		19	32	48	69	95	125		PTCSIR	220/1/50	67,3	0,47	7,3
UH0120181	AZ1330Y	1/12	3,6	270	C		34	51	73	99	130	166		PTCSIR	220/1/50	81,7	0,51	6,9
UH0120216	AZ1335Y	1/10	4	250	C		41	58	81	109	142	181		PTCSIR	220/1/50	87,2	0,56	10
UH0120251	AZ1339Y	1/8	5	270	C		45	69	99	135	178	228		PTCSIR	220/1/50	102	0,72	10
UH0120286	AZ1348Y	1/6	5,6	250	C		59	83	116	158	209	271		PTCSIR	220/1/50	123	0,87	11
UH0120321	AZ1355Y	1/6	5,9	300	C		70	101	141	189	246	312		PTCSIR	220/1/50	127	0,87	11
UH0120356	AEZ1370Y	1/5	8,1	450	C		98	133	180	239	311	397		PTCSIR	220/1/50	172	1,19	11
UH0120391	AEZ1365Y	1/5	8,9	450	C		85	129	185	254	335	430		PTCSIR	220/1/50	181	1,20	10
UH0120426	AEZ1380Y	1/4	9,4	450	C		112	167	228	297	373	457		RSIR	220/1/50	232	1,85	10
UH0120461	AEZ2380Y	1/4	9,4	450	C/V									CSIR	220/1/50	227	1,78	12
UH0120496	AE1410Y	1/4	12,05	450	C		110	175	258	360	481	623		RSIR	220/1/50	239	1,83	14
UH0120531	CAE2410Y	1/4	12,05	450	C/V									CSIR	220/1/50	239	1,76	11
UH0120566	AE1412Y	1/3	14,15	450	C		115	201	304	426	567	728		RSIR	220/1/50	273	1,82	14
UH0120601	CAE2412Y	1/3	14,15	450	C/V									CSIR	220/1/50	289	1,96	13
UH0120636	CAE2414Y	1/3	16	450	C/V		121	188	275	382	515	676		CSIR	220/1/50	334	2,20	17

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Mbsm_dot_pro_private_PDF_az1339yTélécharger

Please check that this part is compatible with your device model. Our customer service can advise you.

Appliance models affected:

- CB1290SI – CB1290SIH (BRANDT),
- CB195 – CB195H (BRANDT),
- CC1950 – CC1950J (BRANDT),
- CCSI1290 – CCSI1290J (BRANDT),
- CFG24N – CFG24NG (FAGOR),
- CFH24 – CFH24J (FAGOR),

- CFH24 / 1 – CFH24 / 1J (FAGOR),
- CFS15 – CFS15J (FAGOR),
- CFSA15 – CFSA15G (FAGOR),
- DUN1912B – DUN1912BA (BRANDT),
- DUN1917B – DUN1917BA (BRANDT),
- DUN2412B – DUN2412BA (BRANDT),
- DUN99B – DUN99BA (BRANDT),
- DUO3666 – DUO3666A (BRANDT),
- DUO3676 – DUO3676A (BRANDT),
- RB315 – RB315A (BRANDT),
- RB316 – RB316A (BRANDT),
- RB348 – RB348A (BRANDT),
- RB349 – RB349A (BRANDT),
- RBM355 – RBM355A (BRANDT),
- RBM356 – RBM356A (BRANDT),
- RS2180 – RS2180A (BRANDT),
- RS2180C – RS2180CA (BRANDT),
- RS6287 – RS6287A (BRANDT),
- RS6310 – RS6310A (BRANDT),
- SFB310KIT – SFB310KITA (BURNING).

Mbsm.pro, Compressor, Hermetic, Tecumseh, AEZ9440T, R22, 1/3 hp++, MHBP

Category: compressor
written by www.mbsm.pro | 5 January 2022

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Basic Info.

Model NO.AEZ9440TLubrication StyleLubricatedCooling SystemAir CoolingCylinder ArrangementBalanced Opposed ArrangementCylinder PositionHorizontalStructure TypeClosed TypeCompress LevelSingle-StageRefrigerant TypeFreonTypeReciprocatingPerformanceLow NoiseDrive ModeElectricPower SourceAC PowerConfigurationStationaryMaterialCopperPiston TypeClosedTrademarkTecumseh HermetiqueTransport PackagePalletSpecificationCE / RoHsOriginChinaHS Code8414301900

Product Description

Tecumseh Hermetique R134a / R404a/ R22 reciprocating compressor

Hermetique R22 HBP

For Air Conditioning Applications.

Features:

Anti Vibration mounts supplied

Charged with mineral oil and dry nitrogen

Crankcase heater on TAG models

Fan cooling required on all models

Specifications:

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46.2°C Liquid entering Expansion Valve.

Current FLA are given at nominal voltage, rated conditions and 7.2°C Evaporating Temperature.

Motor Types:

PSC = Permanent Split Capacitor, 1 Phase, 50 Hz. 220-240 Volt

3Ø: 3 Phase, 50 Hz, 400 Volt

Expansion Device:

C = Capillary Tube

C/V = Capillary Tube or Expansion Valve

R22 Hermetic

Model No.	Nominal HP	Displ. cm³/rev	Motor Type	Nominal Current FLA	Exp. Device	Oil Charge cm³	Connections: inches		
cm³	Discharge	Proc.							
AE 5465E	1/2	12.05	PSC	3.2	C	450	3/8 Tube	1/4 Tube	3/8 Tube
AJ 5510F	3/4	18.6	PSC	5.2	C	887	3/8 Tube	1/4 Tube	1/4 Tube
AJ 5512E	1	21.75	PSC	5.9	C	887	3/8 Tube	1/4 Tube	1/4 Tube
AJ 5513E	1	24.2	PSC	6	C	887	3/8 Tube	1/4 Tube	1/4 Tube
AJ 5515E	1 1/4	25.95	PSC	7.2	C	887	1/2 Tube	5/16 Tube	1/4 Tube
AJ 5518E	1 1/2	32.7	PSC	9.3	C	887	1/2 Tube	5/16 Tube	1/4 Tube
AJ 5519E	1 1/2	34.45	PSC	9.96	C	887	1/2 Tube	5/16 Tube	1/4 Tube
FH 5522E	1 3/4	39.95	PSC	9	C	1330	5/8 Tube	3/8 Tube	5/16 Tube
TFH 5522E	1 3/4	39.95	3Ø	3.8	C/V	1330	5/8 Tube	3/8 Tube	5/16 Tube
FH 5524E	2	43.5	PSC	10	C	1330	5/8 Tube	3/8 Tube	5/16 Tube
TFH 5524E	2	43.5	3Ø	4	C/V	1330	5/8 Tube	3/8 Tube	5/16 Tube

FH 5527E	2 1/4	49.1	PSC	12	C	1330	5/8 Tube	3/8 Tube	5/16 Tube
TFH 5527E	2 1/4	49.1	3Ø	4.2	C/V	1330	5/8 Tube	3/8 Tube	5/16 Tube
FH 5531E	2 1/2	56.65	PSC	14.1	C	1330	3/4 Tube	3/8 Tube	5/16 Tube
TFH 5531E	2 1/2	56.65	3Ø	8	C/V	1330	3/4 Tube	3/8 Tube	5/16 Tube
FH5540E	3	74.25	PSC	18.6	C	1330	3/4 Tube	3/8 Tube	5/16 Tube
TFH 5540E	3	74.25	3Ø	6	C/V	1330	3/4 Tube	3/8 Tube	5/16 Tube
TFH 5540E	3	74.25	3Ø	6	C/V	1330	78	1/2 Valve	5/16 Tube
TAG 5546E	3 3/4	90.2	3Ø	6.6	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube
TAG 5553E	4	100.7	3Ø	7.4	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube
TAG 5561E	5	112.5	3Ø	9	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube
TAG 5568E	6	124.4	3Ø	9.6	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube
TAG 5573E	6 1/2	134.8	3Ø	11	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube

Hermetique R22 M/HBP

For Medium / High Temperature Applications

Features:

Anti-Vibration mounts supplied

Charged with mineral oil and dry nitrogen

Rotalock suction valve on CAJ/TAJ models

Crankcase heater on FH/TFH and TAG models

Oil sight glass on FH/TFH and TAG models

Fan cooling required on all models

All models suit capillary tube or expansion valve operation

Rotalock suction and discharge valves on FH/TFH and TAG models

Specifications:

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46°C Liquid entering Expansion Valve.

Current FLA are given at nominal voltage, rated conditions and 7.2°C evaporating temperature.

Motor Types:

CSIR: Capacitor start, Induction run } 1 Phase, 50 Hz, 220-240 Volt

CSR: Capacitor start and run

3Ø: 3 Phase, 50 Hz, 400 Volt

Conversion: Watts x 3.412 = BTU/Hr BTU/Hr x 0.293 = Watts

R22 Hermetic

Model No.	Nominal HP	Displ. cm³/rev	Motor Type	Nominal Current FLA	Oil Charge cm³	Connections: inches	
Suction	Discharge						
AEZ 4425E	1/5	4.5	CSIR	1.75	450	1/4 Tube	3/16 Tube
AEZ 4430E	1/4	5.7	CSIR	2.2	450	1/4 Tube	3/16 Tube
AEZ 4440E	1/3	7.55	CSIR	2.6	450	1/4 Tube	3/16 Tube
AEZ 9440T	1/3	7.55	CSR	2.03	450	3/8 Tube	1/4 Tube
CAE 4450E	3/8	9.4	CSIR	3.3	450	3/8 Tube	1/4 Tube
CAE 9450T	3/8	9.5	CSR	2.6	450	3/8 Tube	1/4 Tube
CAE 9460T	1/2	11.3	CSR	3.2	450	3/8 Tube	1/4 Tube
CAJ 9408T	5/8	15.2	CSR	3.68	887	1/2 Valve	5/16 Tube
CAJ 9510T	1	18.3	CSR	4.8	887	5/8 Valve	5/16 Tube
CAJ 9513T	1 1/8	24.2	CSR	5.9	887	5/8 Valve	5/16 Tube
CAJ 4517E	1 1/4	25.95	CSR	6.1	887	5/8 Valve	3/8 Tube
TAJ 4517T	1 1/2	25.95	3Ø	2.5	887	5/8 Valve	3/8 Tube
TAJ 4519T	1 1/2	34.45	3Ø	3.5	887	5/8 Valve	1/2 Valve
FH 4524F	2	43.5	CSR	9.55	1480	5/8 Valve	1/2 Valve
TFH 4524F	2	4.35	3Ø	3.9	1480	7/8 Valve	1/2 Valve
FH 4531F	2 1/2	56.65	CSR	12.6	1480	7/8 Valve	1/2 Valve
TFH4531F	2 1/2	56.65	3Ø	4.75	1480	7/8 Valve	1/2 Valve
TFH 4540F	3	74.25	3Ø	6.08	1480	7/8 Valve	1/2 Valve
TAG 4546T	4	90.2	3Ø	6.6	1960	7/8 Valve	5/8 Valve
TAG 4553T	4 1/2	100.7	3Ø	7.4	1960	7/8 Valve	5/8 Valve
TAG 4561T	5	112.5	3Ø	9	1960	1 7/8 Valve	5/8 Valve
TAG 4568T	6	124.4	3Ø	9.6	1960	1 7/8 Valve	5/8 Valve
TAG 4573T	6 1/2	134.8	3Ø	11	1960	1 7/8 Valve	5/8 Valve

Tecumseh Hermetique R134a

The world renowned L'Unite Hermetique compressors are manufactured by Tecumseh.

Features:

Charged with polyolester oil and dry nitrogen

Crankcase heater on FH/TFH and TAG models

Oil sight glass on FH/TFH and TAG models

Rotalock valves are included for all valve connection compressors

Anti-vibration mounts supplied

Single Phase – Medium High SST

Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml
CAJ4476Y	5/8	21.75	Fan	887
CAJ4492Y	3/9	25.95	Fan	887
CAJ4511Y	1	32.7	Fan	887
FH4518Y	1 1/2	53.2	Fan	1480
FH4525Y	2	74.25	Fan	1480

Three Phase – Medium High SST

Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml
TAJ4511Y	1	32.7	Fan	887
TFH4518Y	1 1/2	53.2	Fan	1480
TFH4525Y	2	74.25	Fan	1480
TAG4528Y	2 1/2	90.2	Fan	1960
TAG4534Y	2 3/4	100.7	Fan	1960
TAG4537Y	3	112.5	Fan	1960
TAG4543Y	3 1/2	124.4	Fan	1960

Superceded Models

Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml
AEZ4425Y	1/5	7.55	Fan	450
AEZ4430Y	1/4	8.85	Fan	450
CAE4440Y	3/8	12.05	Fan	450
CAE4448Y	1/3	14.15	Fan	450
CAJ4452Y	1/3	15.2	Fan	887
CAE4456Y	1/2	16	Fan	450
CAJ4461Y	1/2	18.3	Fan	887

Tecumseh Hermetique R404A

The world renowned L’Unite Hermetique compressors are manufactured by Tecumseh.

Features:

Charged with polyolester oil and dry nitrogen

Crankcase heater on FH/TFH and TAG models

Oil sight glass on FH/TFH and TAG models

Rotalock valves are included for all valve connection compressors

Anti-vibration mounts supplied

Specifications:

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46°C Liquid entering Expansion Valve.

Current FLA are given at nominal voltage, rated conditions and 7.2°C Evaporating Temperature.

Motor Types:

CSIR: Capacitor Start, Induction Run 1 Phase, 50 Hz, 220-240 Volt

CSR: Capacitor Start and Run

3Ø: 3 Phase, 50 Hz, 400 Volt

All models are also suitable for operation with R507

Single Phase – Medium High SST

Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml
CAJ9480Z	5/8	15.2	Fan	887
CAJ9510Z	1	18.3	Fan	887
CAJ9513Z	1 1/8	24.2	Fan	887
CAJ4517Z	1 1/4	25.95	Fan	887
CAJ4519Z	1 1/2	34.45	Fan	887
FH4522Z	1 3/4	39.95	Fan	1480
FH4524Z	2	43.5	Fan	1480
FH4531Z	2 1/2	56.65	Fan	1480
FH4540Z	3	74.25	Fan	1480

Three Phase – Medium High SST

Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml
TAJ9480Z	5/8	15.2	Fan	887
TAJ9510Z	1	18.3	Fan	887
TAJ9513Z	1 1/8	24.2	Fan	887
TAJ4517Z	1 1/4	25.95	Fan	887
TAJ4519Z	1 1/2	34.45	Fan	887
TFH4522Z	1 3/4	39.95	Fan	1480
TFH4524Z	2	43.5	Fan	1480
TFH4531Z	2 1/2	56.65	Fan	1480
TFH4540Z	3	74.25	Fan	1480
TAG4546Z	4	90.2	Fan	1960
TAG4553Z	4 1/2	100.7	Fan	1960
TAG4561Z	5	112.5	Fan	1960
TAG4568Z	6	124.4	Fan	1960
TAG4573Z	6 1/2	134.8	Fan	1960

Single Phase – Low SST

Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml
CAE2417Z	1/3	11.3	Fan	450
CAE2420Z	1/2	12.54	Fan	450
CAE2424Z	5/8	15	Fan	450
CAJ2428Z	1/2	15.2	Fan	887
CAJ2432Z	5/8	18.3	Fan	887
CAJ2446Z	3/4	26.15	Fan	887
CAJ2464Z	1 1/2	34.45	Fan	887
FH2480Z	2	53.2	Fan	1625
FH2511Z	2 1/2	74.25	Fan	1625

Three Phase – Low SST

Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml
TAJ2464Z	1 1/2	34.45	Fan	887
TFH2480Z	2	53.2	Fan	1625
TFH2511Z	2 1/2	74.25	Fan	1625
TAG2516Z	4	112.5	Fan	1960
TAG2522Z	5 1/2	134.8	Fan	1960

Three Phase – Parallel Applications

Model No.	Nominal HP	Displacement: cm3/rev	Application: SST	Cooling	Oil Charge: ml
TAGP4546Z	4	90.2	Medium	Fan	1960
TAGP4553Z	4 1/2	100.7	Medium	Fan	1960
TAGP4561Z	5	112.5	Medium	Fan	1960
TAGP4568Z	6	124.4	Medium	Fan	1960
TAGP4573Z	6 1/2	134.8	Medium	Fan	1960
TAGP2516Z	4	112.5	Low	Fan	1960
TAGP2522Z	5 1/2	134.8	Low	Fan	1960

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MEDIUM/HIGH BAK PRESSURE COMPRESSORS

Type	COMPRESSOR MODELS	Nominal Power (H.P.)	Refrigerant	Displacement (cm^3)	Oil charge (cm3)	REFRIGERATION CAPACITY AT 50HZ Rafed 54.5℃ Cond Temp (Watts) Evaporating Temperature -25℃	-15℃	-10℃	0℃	+7.2℃	+15℃	VOLTAGE
PISTON	AEZ4425E	1/5	R22	4.50	250	138	192	256	413	553	728	220-240V/1/50Hz
	AEZ4430E	1/4	R22	5.70	250	192	255	336	538	718	945	220-240V/1/50Hz
	AEZ3440E	1/3	R22	7.55	350	308	362	464	733	980	1298	220-240V/1/50Hz
	AEZ4440E	1/3	R22	7.55	350	308	362	464	733	980	1298	220-240V/1/50Hz
	AEZ9440T	1/3	R22	7.55	350	222	362	464	733	975	1302	220-240V/1/50Hz
	CAE4450E	3/7	R22	9.40	350	355	426	554	896	1212	1623	220-240V/1/50Hz
	CAE9450T	3/7	R22	9.40	350	256	426	554	896	1212	1623	220-240V/1/50Hz
	CAE9460T	1/2	R22	11.30	350	324	553	715	1134	1514	2000	220-240V/1/50Hz
	CAJ9480T TAJ9480T	5/8	R22	15.20	887	461	786	1011	1586	2103	2761	220-240V/1/50Hz 400V/3/50Hz
	CAJ9510T TAJ9510T	1	R22	18.30	887	545	956	1229	1909	2510	3266	220-240V/1/50Hz 400V/3/50Hz
	CAJ9513T TAJ9513T	1-1/8	R22	24.20	887	526	1074	1451	2411	3272	4366	220-240V/1/50Hz 400V/3/50Hz
	CAJ4517E TAJ4517T	1-1/4	R22	25.95	887	771	1233	1673	2727	3629	4743	220-240V/1/50Hz 400V/3/50Hz

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Mbsm.pro, Motor, compressor, type, RSIR, RSCR, CSIR, CSCR, PSC

Category: compressor
written by www.mbsm.pro | 5 January 2022

(1) RSIR

Resistance start induction run

(2) RSCR

Resistance start capacitor run

(3) CSIR

Capacitor start induction run

(4) CSCR/CSR

Capacitor start capacitor run

(5) PSC

Permanent split capacitor

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(1) RSIR

Resistance start induction run

(2) RSCR

Resistance start capacitor run

(3) CSIR

Capacitor start induction run

(4) CSCR/CSR

Capacitor start capacitor run

(5) PSC

Permanent split capacitor

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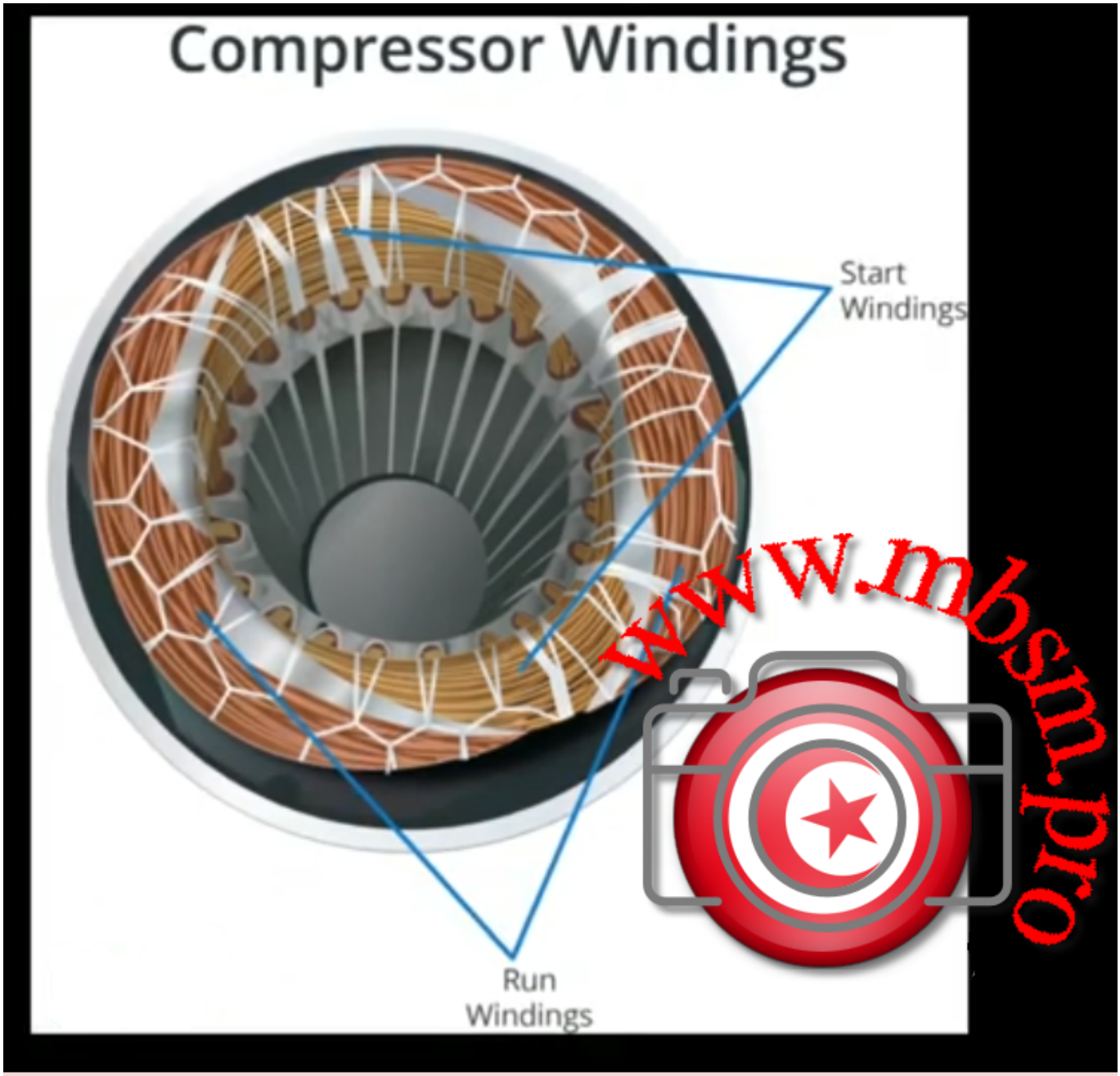

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(1) RSIR
Resistance start induction run

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RSIR

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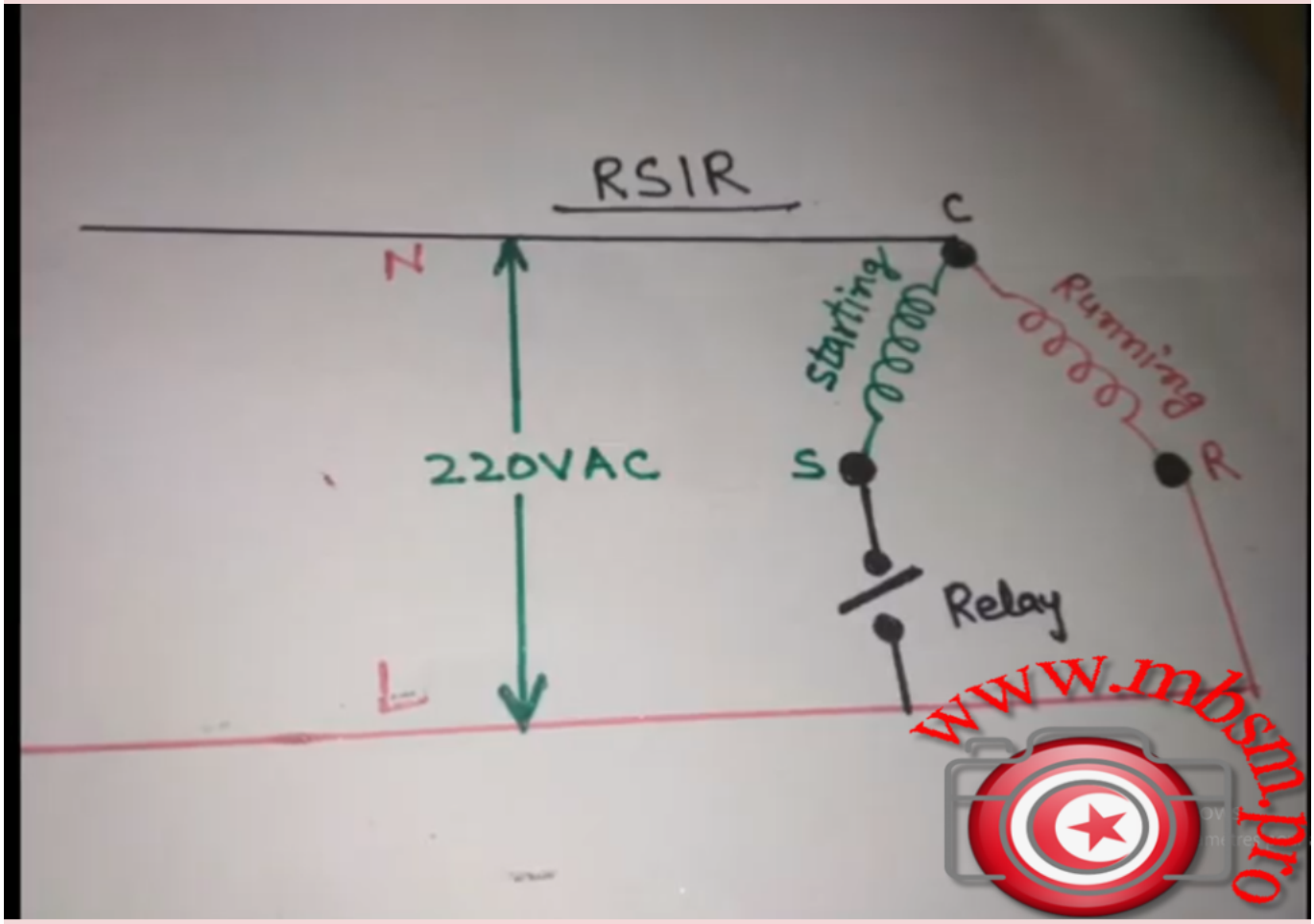

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(2) RSCR
Resistance start capacitor run

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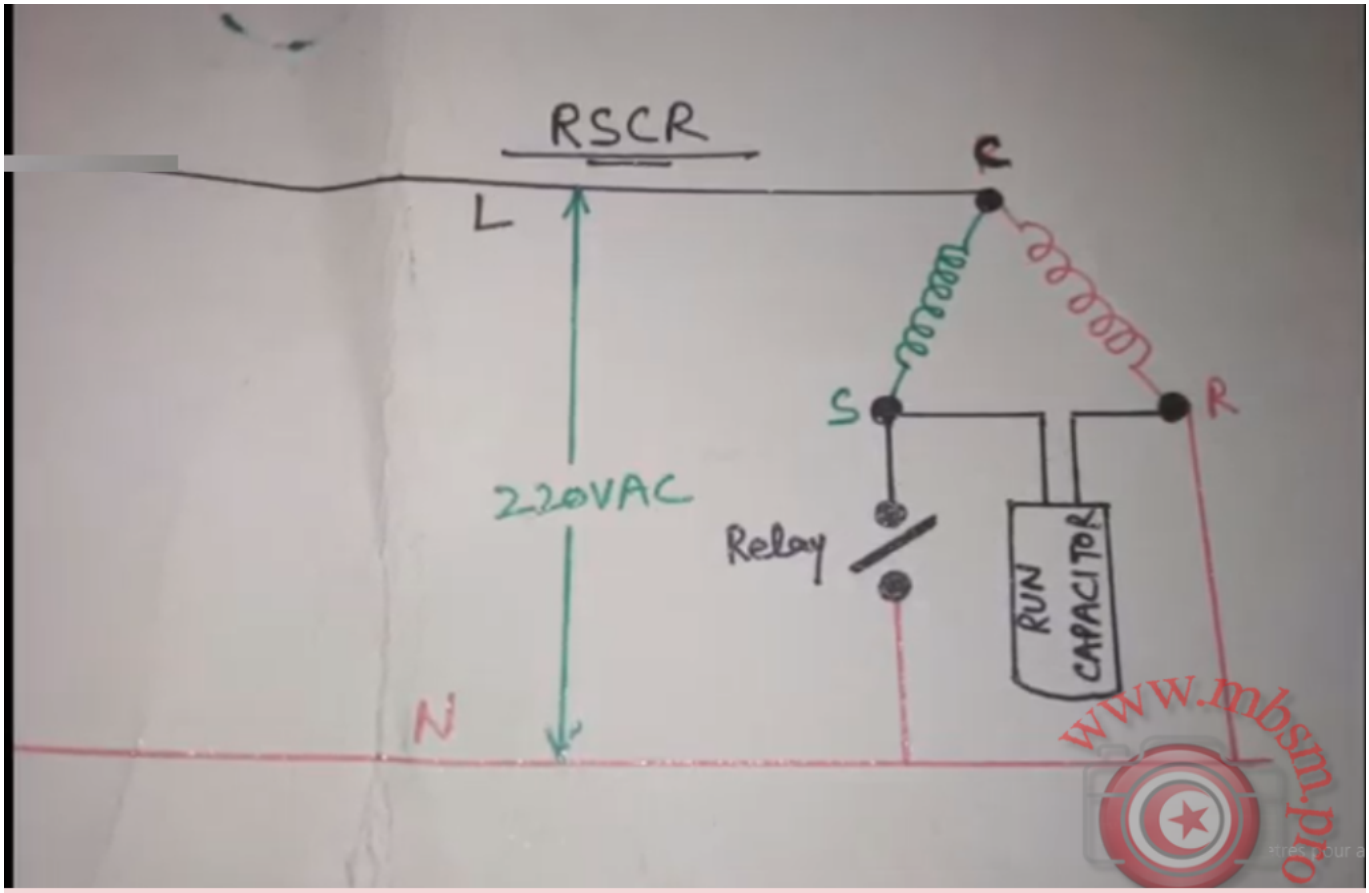

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(3) CSIR
Capacitor start induction run

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CSIR

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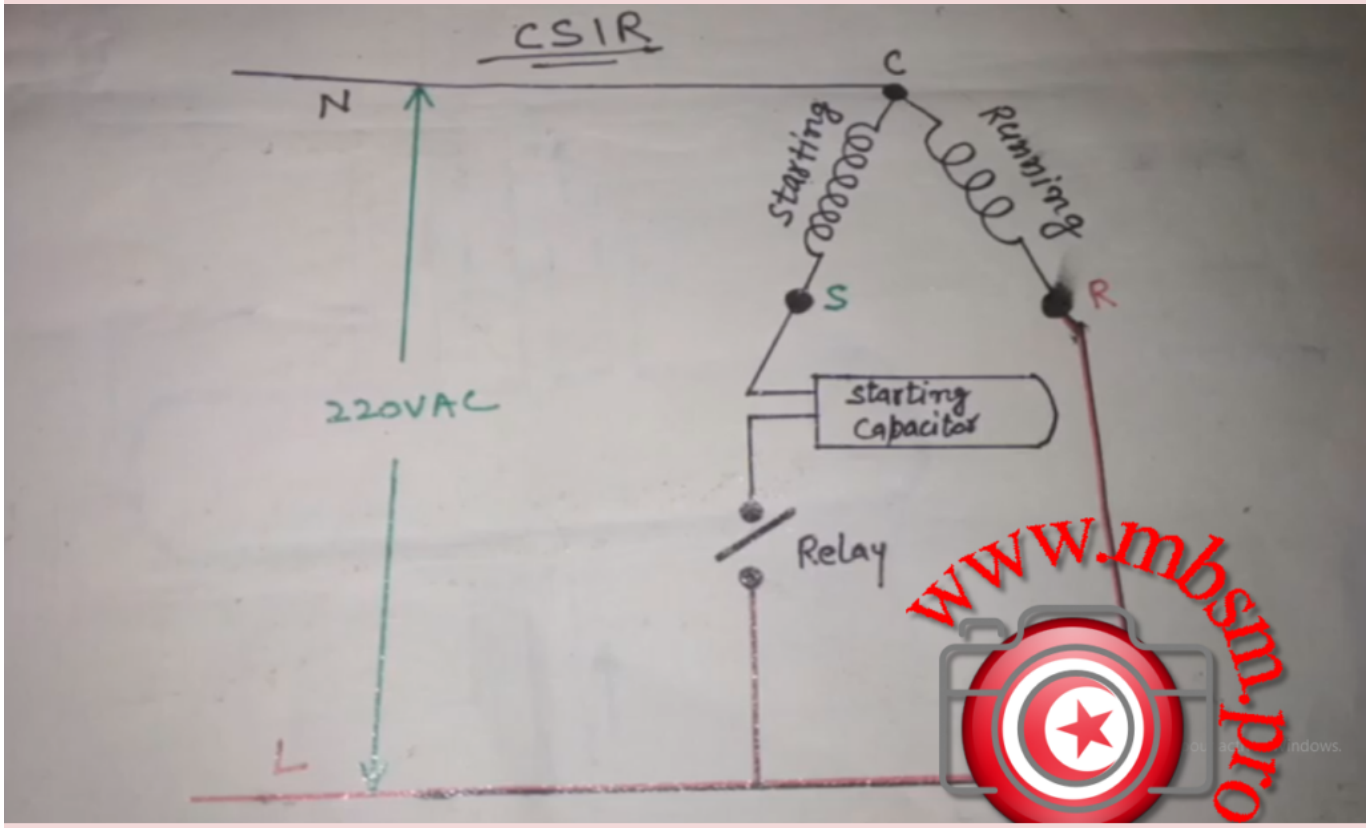

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(4) CSCR/CSR
Capacitor start capacitor run

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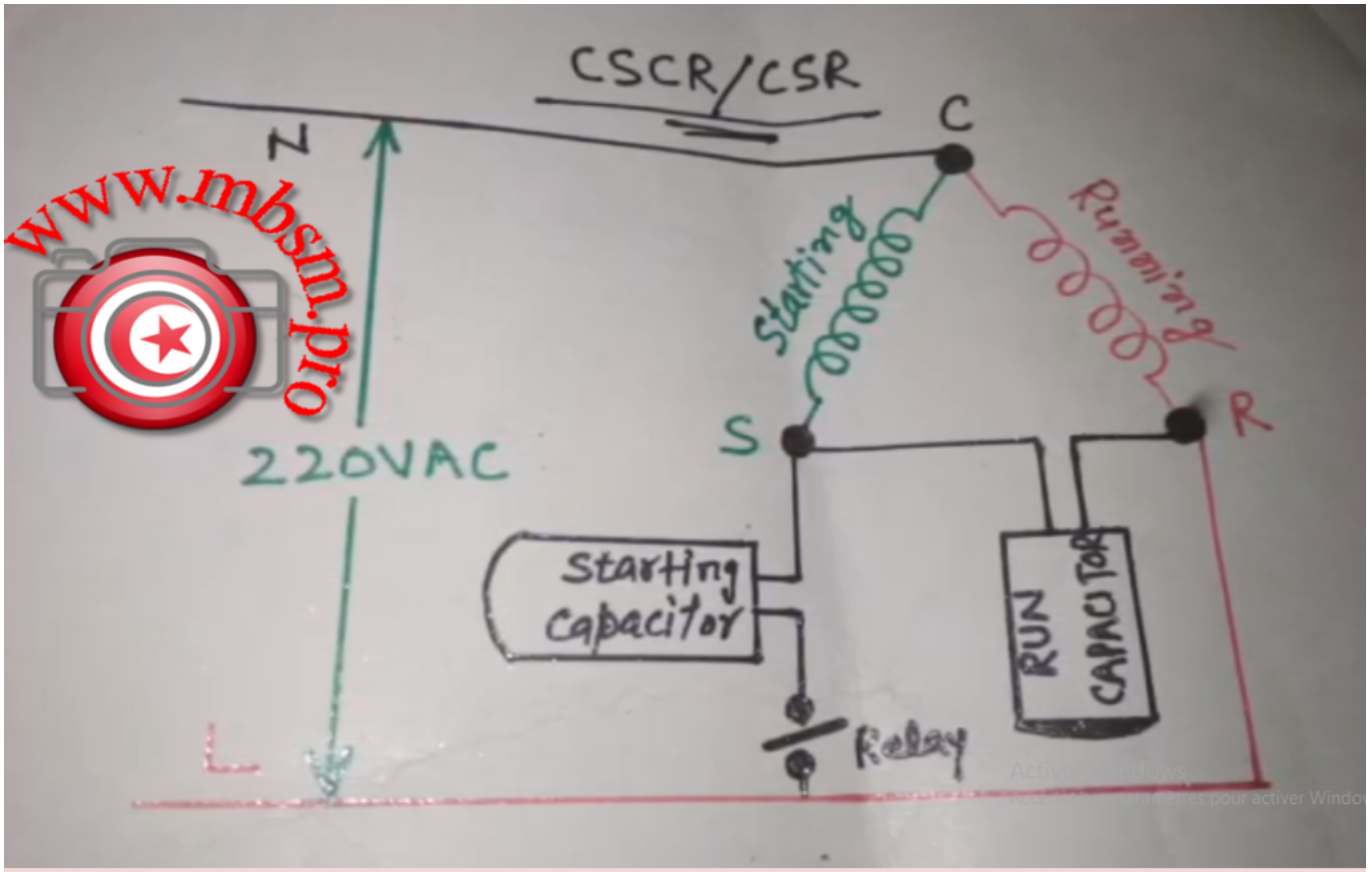

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(5) PSC
Permanent split capacitor

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PSC

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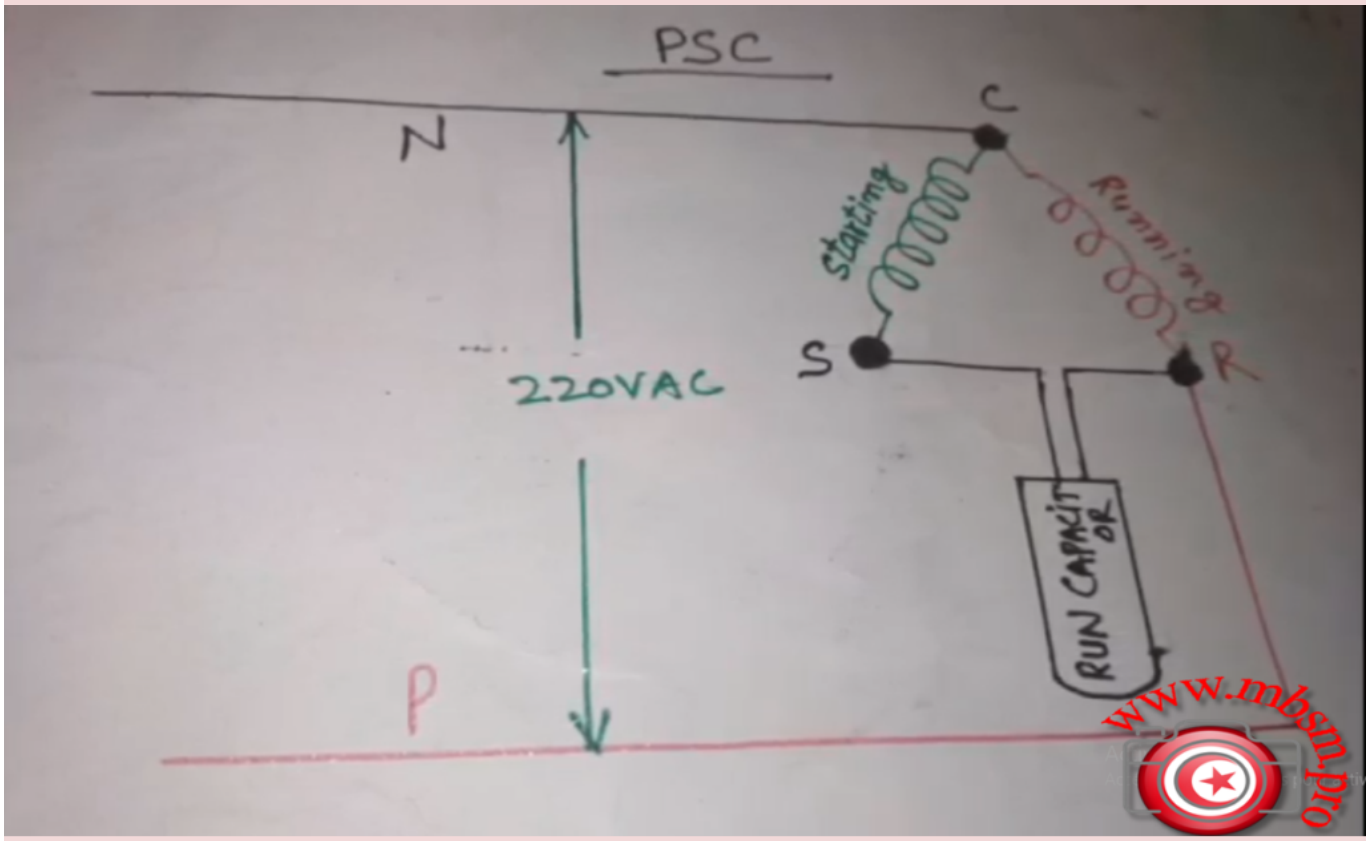

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Mbsm.pro, Compressor, EMBRACO, NBM1119Y, Indesit, Ariston, ASPERA, R600, 1/3 HP, 237W, LBP

Category: compressor
written by www.mbsm.pro | 5 January 2022

Compressor	EMBRACO
Template	NBM1119Y
Height (mm)	
Gas	R600a
Voltage	200-240V 50Hz / 230V 60Hz
Application	LBP (Low Back Pressure)
Test Condition	ASHRAE LBP 32
Displacement	14.28 of the Italian Civil Code
Motor	RSIR
Power (HP)	
Cap. Frigor. Watt	233
Cap. Frigor. Kcal	200
Cap. Frigor. Btu / h	795
COP (W / W)	1.44
Watt absorbed (W)	
Device of Avv.	PTC
Capacitor	
Cooling type	

Packaging (Pcs / Pallet)

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Mbsm.pro, Auminum, radiators, Baxi, 57 cm high, 8 cm wide and 7 cm thick, with a calorific power 104 W/ Element , dimension and measure

Category: Chaud&Froid,Pictures,Plomberie
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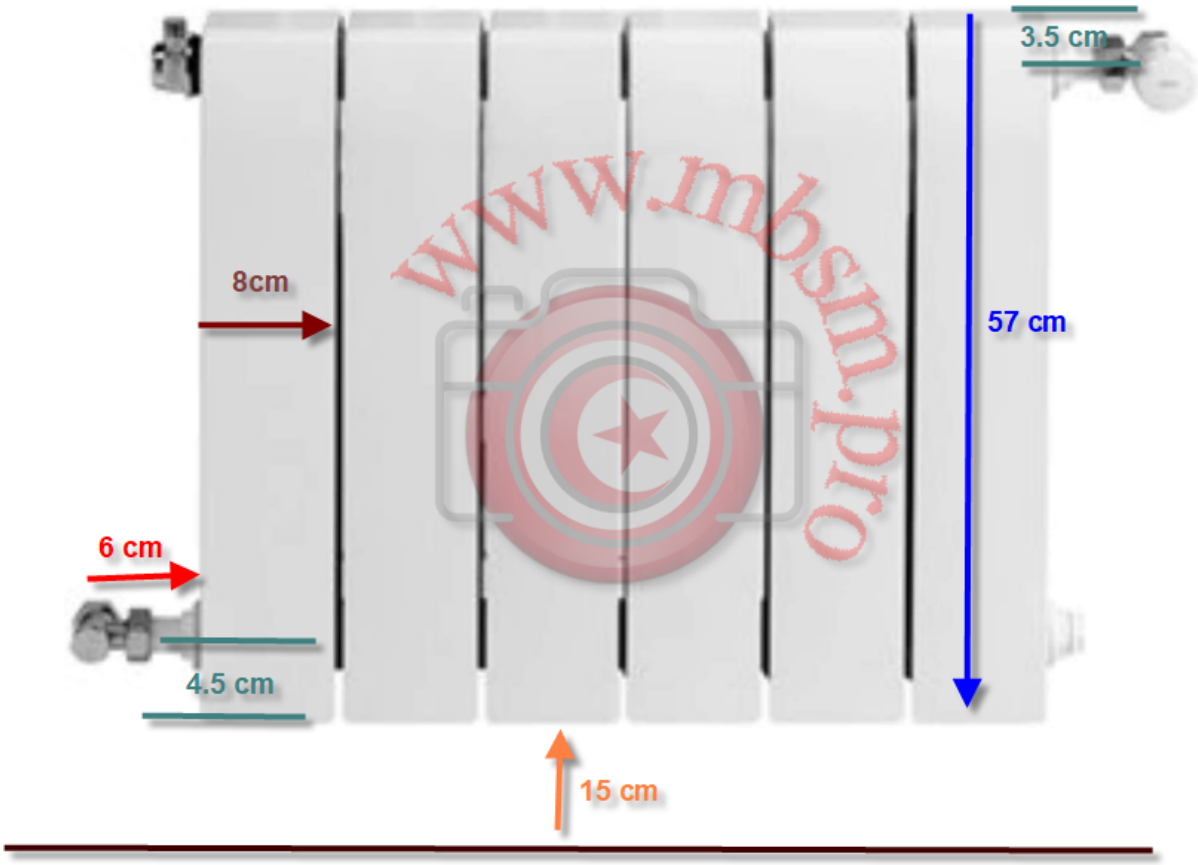

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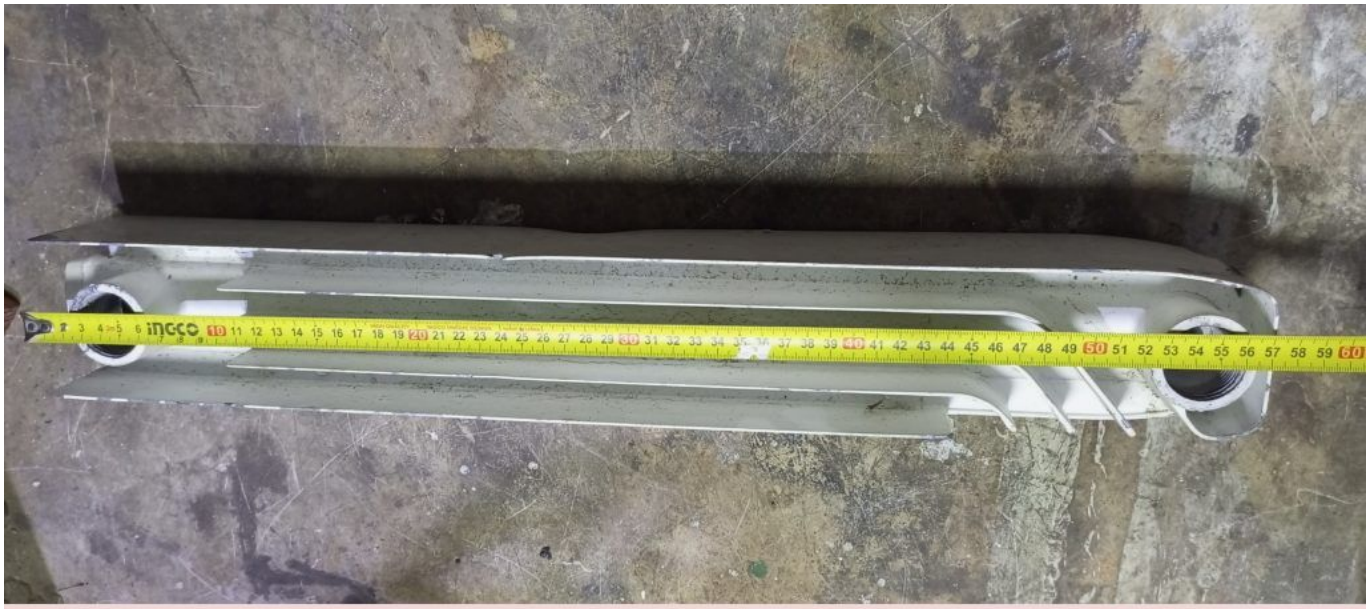

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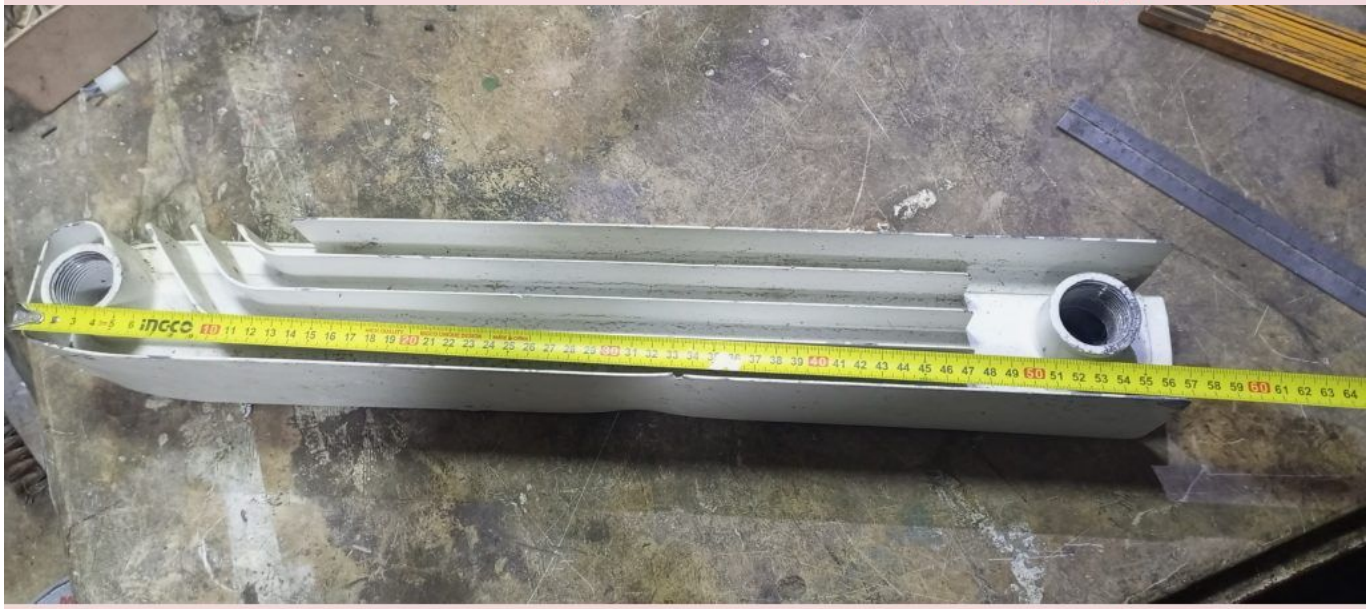

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Radiator

´Auminum **radiators** 57 cm high, 8 cm wide and 7 cm thick, with a calorific power 104 W
Mbsm_dot_pro_private_PDF_Auminum-radiators-Baxi-57-cm-high-8-cm-wide-and-7-cm-thick-with-a-calorific-power-104-W-Element-dimension-and-measureTélécharger

Calculation of heating capacity in terms of room volume
First, we calculate the volume of the room by multiplying the length by the width by
Height :
Example: A room whose dimensions are (3.6 m) length (3.25 m) width (2.6 m) height means its size is 3.6 x 3.25 x 2.6 = 30.42 m 3 In most cases, buildings in Algeria have external walls that do not have an insulating material for cold and heat, so we must multiply the volume The room in (2) and if it is isolated, we multiply by (1).
As it is known, the temperature and cold changes from one region to another. For example, the average cold in the high plateaus reaches minus 5 sometimes at night, while in the north of the country, the average cold may reach 5 degrees

in the worst case, and the appropriate temperature in the house is from 20 to 22 degrees, meaning that the difference in degrees In the capital, the temperature is 22 minus 3, which is equal to 19 degrees, and in the higher plateaus the difference is 22 minus -5, which is equal to 27 degrees. We multiply the room volume by the insulation coefficient, if it is 1 and if not 2, then we multiply the volume of the room by 2 by the temperature difference in our previous example. The room is 30.42 The insulation coefficient is 2 The temperature difference is 19. When we multiply the volume by the coefficient by the temperature difference, we get 30.42 x 2 x 19 = 115.96 for the northern regions and 30.42 x 2 x 27 = 1642.68 for the high plateaus.

Since the calorific value of each radiator element varies according to type, material and size, in all our calculations for an aluminum radiator, the approximate heat value is 150. If we divide what we get by 150, we get the number of units, i.e. 1155.96 ÷ 150 = 7.7 meaning that the required radiator is 8 elements For a room in the north of the country, and for a room in the high hills, 1642.68 ÷ 150 = 10.95, meaning that the required radiator is 11 or 12 elements.

حساب قدرة التدفئة من حيث حجم الغرفة

أولا نحسب حجم الغرفة وهذا بضرب الطول في العرض في

الإرتفاع :

مثال : غرفة أبعادها هم (3.6م) طول (3.25م)عرض(2.6م)إرتفاع يعني حجمها هو 3.6×3.25×2.6=30.42م³ في غالب الأحيان البنايات في الجزائر جدرانها الخارجية ليست لديها مادة عازلة للبرد والحرارة لذا وجب ان نضرب حجم الغرفة في (2) وإن كانت معزولة نضرب في (1).

كما هو معروف تتغير درجة الحراره والبرودة من منطقة لأخرى فمثلا يصل معدل البرودة في الهضاب العليا إلى ناقص 5 أحيانا بالليل بينما في شمال الوطن فمعدل البرودة قد يصل إلى 5 درجات في أسوأ الأحوال والحرارة المناسبة في المنزل هي من 20 إلى22 درجة أي أن الفارق في درجة الحرارة في العاصمة هو 22 ناقص 3 ويساوي 19 درجة وفي الهضاب العليا الفرق هو 22 ناقص -5 ويساوي 27درجة نضرب حجم الغرفة في معامل العزل إن كان موجود 1 وإن لم يكن 2 إذن نضرب حجم الغرفة في 2 في فرق درجة الحرارة في مثالنا السابق لدينا حجم الغرفة هو 30.42 معامل العزل هو 2 فرق درجة الحرارة هو 19 لما نضرب الحجم في المعامل في فرق الحرارة نحصل 30.42×2×19=1155.96 بالنسبة للمناطق الشمالية و30.42×2×27=1642.68 بالنسبة للهضاب العليا .

بما أن القيمة الحرارية لكل عنصر من الراديا تور تختلف حسب النوع والمادة والحجم الى أنه في جميع حساباتنا بالنسبة لراديا تور ألمنيوم القيمة الحراره التقريبية هي 150 إذا نقسم ما تحصلنا عليه على 150 فنحصل على عدد الوحدات أي 1155.96÷150=7.7 بمعنى أن الراديا تور المطلوب هو 8 عناصر بالنسبة لغرفة في شمال الوطن و أما بالنسبه لغرفة في الهضاب العليا 1642.68÷150=10.95 أي أن الراديا تور المطلوب هو 11 عنصر أو 12 عنصر.

Calcul de la capacité de chauffage en fonction du volume de la pièce

Tout d’abord, nous calculons le volume de la pièce en multipliant la longueur par la largeur par

Hauteur :

Exemple : Une pièce dont les dimensions sont (3,6 m) longueur (3,25 m) largeur (2,6 m) hauteur signifie que sa taille est de 3,6 x 3,25 x 2,6 = 30,42 m 3 Dans la plupart des cas, les bâtiments en Algérie ont des murs extérieurs qui n’ont pas de matériau isolant pour le froid et le chaud, il faut donc multiplier le volume La pièce en (2) et si elle est isolée, on multiplie par (1).

Comme on le sait, la température et le froid varient d’une région à l’autre. Par exemple, le froid moyen dans les hauts plateaux atteint parfois moins 5 la nuit,

tandis que dans le nord du pays, le froid moyen peut atteindre 5 degrés dans les pire des cas, et la température appropriée dans la maison est de 20 à 22 degrés, ce qui signifie que la différence en degrés Dans la capitale, la température est de 22 moins 3, ce qui est égal à 19 degrés, et dans les plateaux supérieurs la différence est de 22 moins -5, ce qui est égal à 27 degrés. On multiplie le volume de la pièce par le coefficient d'isolation, s'il est de 1 et sinon 2, alors on multiplie le volume de la pièce par 2 par la différence de température dans notre exemple précédent. pièce est de 30,42 Le coefficient d'isolation est de 2 La différence de température est de 19. Quand on multiplie le volume par le coefficient par la différence de température, on obtient 30,42 x 2 x 19 = 115,96 pour les régions du nord et 30,42 x 2 x 27 = 1642,68 pour la hauts plateaux. Étant donné que la valeur calorifique de chaque élément de radiateur varie selon le type, le matériau et la taille, dans tous nos calculs pour un radiateur en aluminium, la valeur calorifique approximative est de 150. Si nous divisons ce que nous obtenons par 150, nous obtenons le nombre d'unités, c'est-à-dire 1155,96 150 = 7,7 signifiant que le radiateur requis est de 8 éléments Pour une pièce au nord du pays, et pour une pièce dans les hautes collines, 1642,68 ÷ 150 = 10,95, c'est-à-dire que le radiateur requis est de 11 ou 12 éléments.

Mbsm.pro, Pdf, Book, Catalog, Electrolux, Compressor, r12, R22

Category: Files
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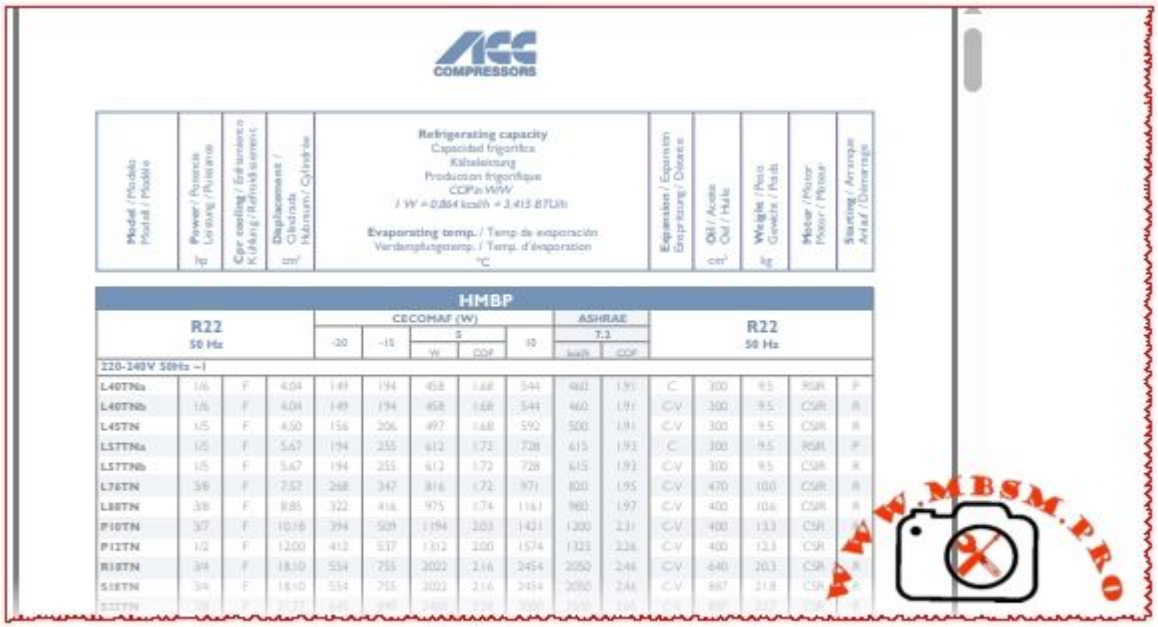

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