



Tecumseh

ErP 2018 Condensing Unit Range

ErP 2018 condensing range

- **A new range design frozen and fully compliant:** traditional units, WINTSYS and SILENSYS
- An optimized range with **same width and depth**
- **Optimized technical data** based on wide measurement campaigns through all platforms
- A full **condensing unit and replacement part cross-ref** available for your catalogue
- **ErP 2018 compliant mark** visible on product and packaging in order to differentiate compliant units
- **A joint phase in phase out plan preparation**
- A 2018 **communication plan** promoting ErP compliance

LBP R452A/R404A - ErP 2018 Range

Piston

[illegible]

Rotary

[illegible]

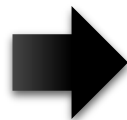
Conditions: -35°C/ mid mid/Suction gas -25°C / superheat 10K / 3K

Watt	159	200	288	250	350	426	534	733	1000	1 300	1400	1 760	2 060	2350	2850	2600	3293	3537	4200	4041	4890	5000	6195	7815	9258
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KZ voltage 220 3~ 50Hz/ 220 3~60Hz is discontinued for traditional condensing units

KZ voltage 220 3~ 50Hz/ 220 3~60Hz will be available for all SILENSYS except AGD

LBP R452A/R404A – What changes?



**SILENSYS AG / LBP
housing L → M**

























































































LBP R452A/R404A – What changes?

Please refer to
Cross Ref
ErP2018.xls for
details of
changes

		Current 2017 Designation	Impact ErP2018
UNITS	AE ²	AE and AET models	Replaced by new AET models compliant ErP2018 . Current AE AET models are discontinued
		AE, AET with fan diam 250 mm	25W fan motor → 16W fan motor
		AE2410ZB	This model is discontinued
	AJ ²	CAJT2428ZBR	Replaced by new AET2425ZBR – same cooling capacity.
		CAJ2428/2432/2446/2464 ZBR	New fan technology → CAJN
		CAJN2440ZBR	New fan, new condenser
	AG	AG units	New compressor AG
WINTSYS	AG	TAGT2519ZBR	New model NEW
	AGD	TAGDT2538ZBR	New model NEW
	SH	SHT2524ZBR	New fan, new condenser
	FH	WINFH2480Z / SILFH2480Z	New fan diameter and technology, new condenser
SILENSYS	RG	SILRG2436Z	Discontinued model
	AG	SILENSYS AG	New compressor AG, L housing → M housing
	AG	SILAG2519Z	New model NEW
	AGD	SILAGD2538Z	New model NEW

MHBP R452A/R404A - ErP 2018 Range

Piston

SILENSYS																																	
WINTSYS																																	
Trad. CU KZ voltage discontinued																																	
Rotary																																	
SILENSYS																																	
Scroll (R404A)																																	
SILENSYS																																	

Conditions: -10°C/mid mid/Suction gas 0°C/ 10K / 3K

Watt 300 400 540 760 850 1000 1200 1500 1788 2030 2500 2700 3000 3900 4800 5800 6300 7350 8500 9485 10200 10300 11500 12600 13000 14500 16700 18500 21555 26400

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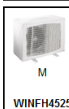




MHBP R452A/R404A – What changes?

Please refer to
Cross Ref
ErP2018.xls for
details of
changes

		Current 2017 Designation	Impact ErP2018
UNITS	AE	AE and AET models	Replaced by new AET models ErP 2018 compliant Current AE models are discontinued
	FH	FHT/TFHT4540ZHR	New compressor AW → AWT4538ZHR After sale compressor is AWS4538Z NEW
	AG	TAGT4546ZHR & TAGT4553ZHR	New condenser, one row more
WINTSYS	FH	WINFH4540Z	New compressor AW → WINAW4538Z NEW
SILENSYS	FH	SILFH4540Z	New compressor AW → SILAW4538Z NEW
	AG	SILAG4581Z	New condenser

MHBP R134a/R513A - ErP 2018 Range

Piston

SILENSYS																							
WINTSYS																							
Trad. CU																							

Rotary

SILENSYS																							
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Conditions: -10°C/mid mid/Suction gas 0°C/ 10K / 3K

Watt	300	400	500	700	600	760	800	775	950	1190	1500	1700	2100	2 900	2900	3700	4200	4450	5120	5700	7500	8500	8880
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KZ voltage 220 3~ 50Hz/ 220 3~60Hz is discontinued for traditional condensing units

KZ voltage 220 3~ 50Hz/ 220 3~60Hz will be available for all SILENSYS except AGD

MHBP R134a/R513A – What changes ?



**SILENSYS AG / R134a
housing L → M**



MHBP R134a/R513A – What changes ?

	Current 2017 Designation		Impact ErP2018
UNITS	AE	AE4425YHR	Replaced by AET4425YHR
	AJ	CAJ4461/CAJ4492/CAJ4511/TAJ4511 YHR	New fan technology → CAJN
	AG	TAG4547Y	New fan, new condenser
SILENSYS	AG	SILENSYS AG	L housing → M housing
	AG	SILAG4547Y	New model - M housing

NEW

Please refer to
Cross Ref
ErP2018.xlsx for
details of
changes

New compressor AWS4538Z

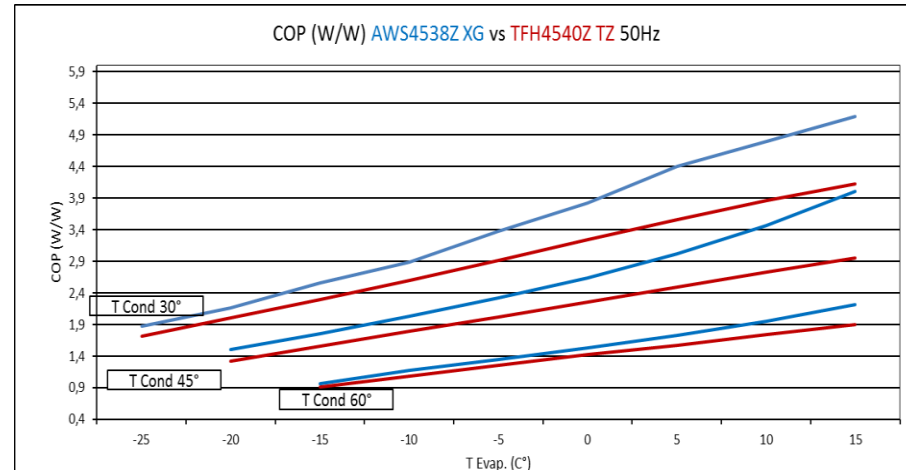
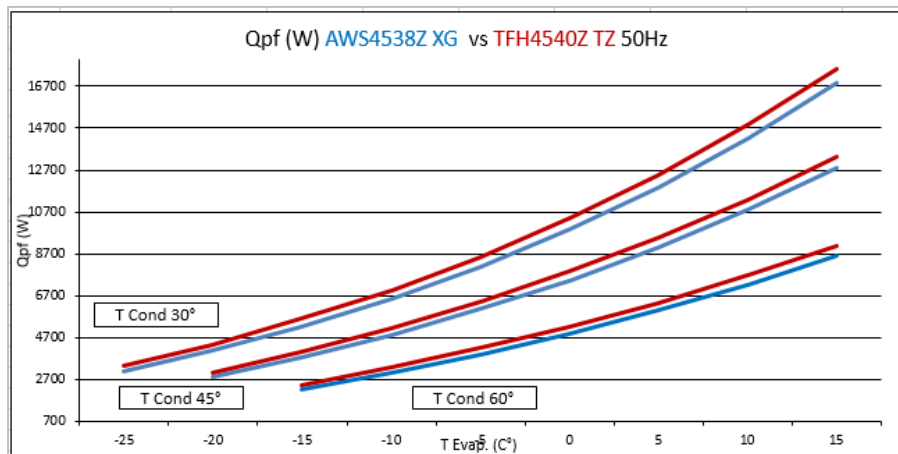
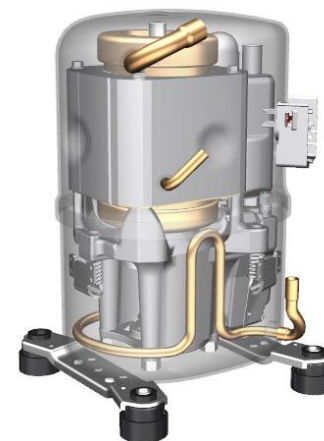
Tecumseh replaces compressor TFH4540Z by the new compressor AWS4538Z on MHBP condensing units

FZ voltage 220-240V 1~50 Hz → XC same voltage range

TZ voltage 400V 3~50 Hz / 440V 3~60Hz → XG voltage 380-420V 3~50Hz / 460V 3~60 Hz

NB: SILENSYS Inverter SILFHV4540Z is being maintained with TFH compressor.

AWS4538Z compressor shows a significant better efficiency and capacity within 5% deviation.

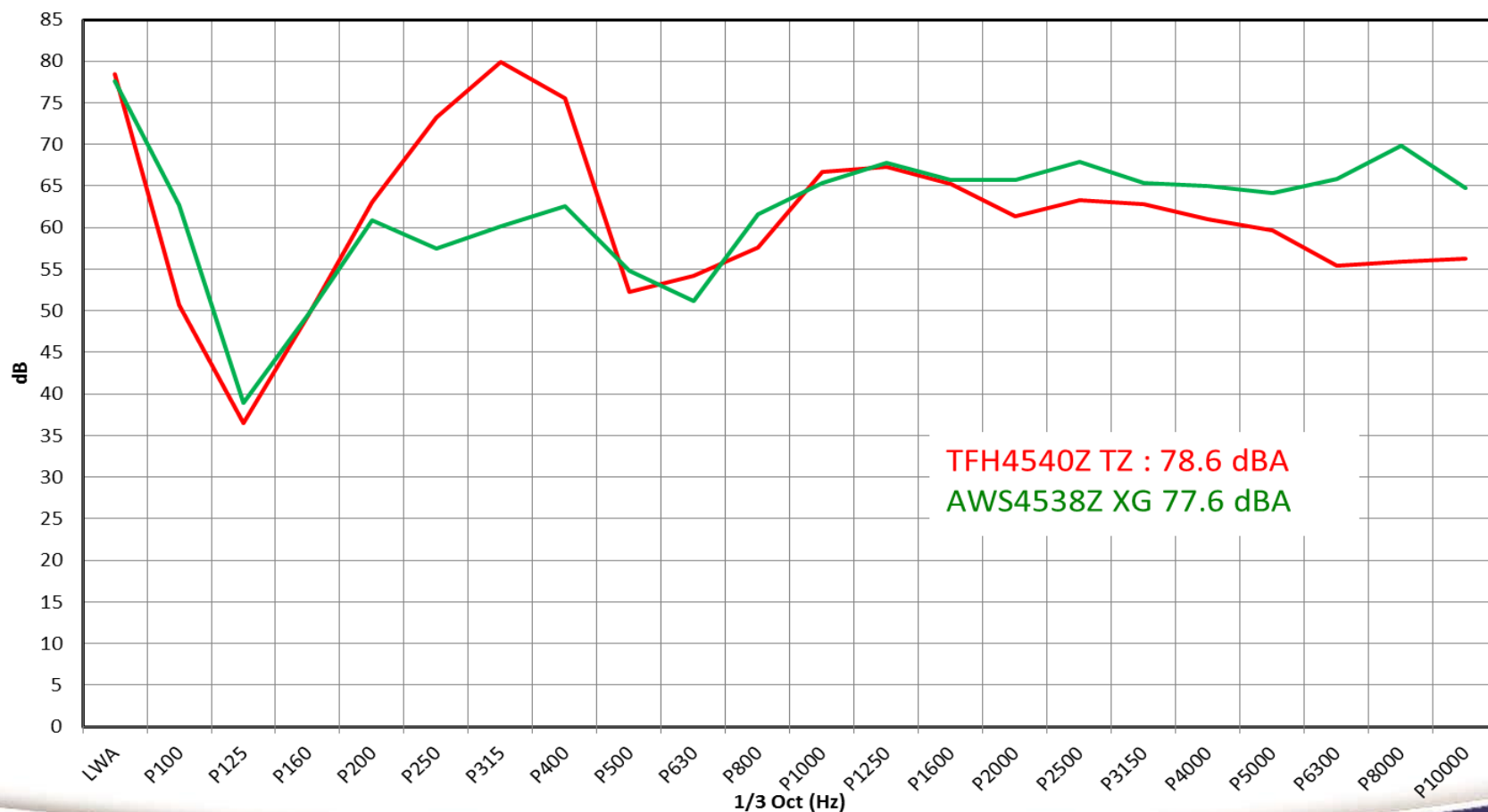


Acoustic: TFH4540Z TZ vs AWS4538Z XG

Report A10205

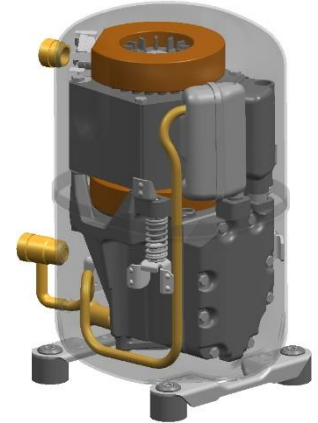
AWS4538Z XG compressor sound power equivalent

High reduction of the refrigerating system noise thanks to the low frequency noise level reduction.



Efficiency improvement on LBP TAG compressors

- **Continuous improvement of the LBP TAG**
 - Models: TAG2516Z, TAG2522Z & TAG2525Z
 - New discharge muffler & new motor
- **Benefits:**
 - Lower pressure drop on the inner discharge line
 - Lower motor consumption for a same cooling capacity
- **New model TAG2519Z-TZ**
 - For better uniformity in cooling capacities
- **After sale compressor AG**
 - Available in multi-refrigerant range

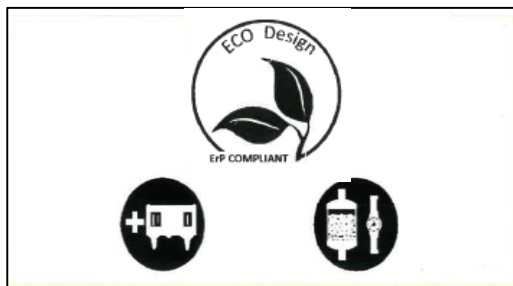


NEW

Compressors

Application	Refrigerant	Current 2017 Designation	Impact ErP2018	
MHBP	R452A /R404A	FH4540Z fitted in condensing units	Replaced by AWS4538Z	NEW
LBP	R452A /R404A	TAG2519Z-TZ	New model	NEW

Packaging & Identification Label



1. Icon on both packaging and products
2. Identification label to indicate R452A/R404A or R134a/R513A

