

AIR COOLED CONDENSERS – PED CLASSIFICATION AS PIPING

PS max 3,0MPa

TS min/max -10 + 55°C

Note: TS only for the piping is -20°C + 130°C

STN – STFT - STVF	All these products are classified: Article 4.3
SHVN 330 – LMC3N - SHVS 330 – SAV 300	All these products are classified: Article 4.3
SHVN 350 e SUB	All these products are classified: Article 4.3, unless the models 61/2; 76/0; 81/6; 57/1; 66/0; 76/1 that are classified : CAT I
SHVS 350 e SUB	All these products are classified: Article 4.3, unless the models 48/1; 54/0; 41/1; 50/0; 54/8 that are classified : CAT I
SAV5N – LMC5N e SUB	All these products are classified: Article 4.3, unless the models 4332; 4346; 4347; 4366; 4367; 2532 that are classified : CAT I
SAV5N – LMC5S e SUB	All these products are classified: Article 4.3, unless the models 4446; 4465; 4466; 2535 that are classified : CAT I
SAV5R – LMC5R e SUB	All these products are classified: Article 4.3, unless the models 4546; 4565; 4566 that are classified : CAT I
EAV5N	All these products are classified: CAT I, unless the models: 5310; 5311; 5320 that are classified Art 4.3
EAV5S	All these products are classified: CAT I, unless the models: 5410; 5411; 5420 that are classified Art 4.3
EAV5R	All these products are classified: CAT I, unless the models: 5510; 5511; 5520 that are classified Art 4.3
LMC6F	All these products are classified: CAT I, unless the models: 3511; 3512; 3521; che risultano in Articolo 4.3
LMC6N	All these products are classified: CAT I, unless the models: 3513; 3514; 3515; 3523; 3524; 3533; 3534; that are classified Art 4.3

LMC6S	All these products are classified: Article 4.3, unless the model 3546 that is classified : CAT I
LMC6R	All these products are classified: Article 4.3, unless the model 3548 that is classified : CAT I
SAV6N	All these products are classified: CAT I, unless the models: 6410; 6411; 6420 that are classified Art 4.3
SAV6S	All these products are classified: CAT I, unless the models: 6510; 6511; 6520 that are classified Art 4.3
SAV6R	All these products are classified: CAT I, unless the models: 6610; 6611; 6620 that are classified Art 4.3
EAV6F / SAV7N e SUB	All these products are classified: CAT I, unless the models: 7311; 7312; 8411; 8412 that are classified Art 4.3
EAV6N e SUB	All these products are classified: CAT I, unless the models: 7410; 7411; 7420 that are classified Art 4.3
EAV6S e SUB	All these products are classified: CAT I, unless the models: 7510; 7511; 7520 that are classified Art 4.3
EAV6R e SUB	All these products are classified: CAT I, unless the models: 7610; 7611; 7620; 7621 that are classified Art 4.3
SAV8S	All these products are classified: CAT I, unless the models: 2111; 2112 that are classified Art 4.3
SAV8T	All these products are classified: CAT I, unless the models: 3110; 3111; 3112 that are classified Art 4.3
EAV8S	All these products are classified: CAT I, unless the models: 7111; 7112 that are classified Art 4.3
EAV8T	All these products are classified: CAT I, unless the models: 8110; 8111; 8112 that are classified Art 4.3
EHV90F / EAV90F	All these products are classified: CAT I
EAV9N	All these products are classified: CAT I, unless the models: 6111; 6112 that are classified Art 4.3

EAV9X	All these products are classified: CAT I, unless the models: 1110; 1111; 1112 that are classified Art 4.3
EAV9U	All these products are classified: CAT I, unless the models: 5110; 5111 that are classified Art 4.3
XAV 900 – 1000	All these products are classified: CAT I, unless the models: XAV9X 7911; XAV9U 1911; XAV10S 4711 that are classified Art 4.3
XDHVF	All these products are classified: CAT I, unless the models 1114, 1115 that are classified Art 4.3
XDHVN	All these products are classified: CAT I, unless the models 2114, 2115 that are classified Art 4.3
XDHVS	All these products are classified: CAT I, unless the models 3114, 3115 that are classified Art 4.3
XDHVX	All these products are classified: CAT I, unless the models 4113, 4114, 4115, 4123 that are classified Art 4.3
XDHVT	All these products are classified: CAT I, unless the models 5113, 5114, 5115, 5123 that are classified Art 4.3
XDHVU	All these products are classified: CAT I, unless the models 6113, 6114, 6123 that are classified Art 4.3
EHVD	All these products are classified: CAT I
SHVC	All these products are classified: CAT I, unless the model SHVC N1 S/T that is classified : CAT I
RAD	All these products are classified: CAT I, unless the models: 2111; 2112 that are classified Art 4.3

Desig conditions:

PS max 3,0 MPa
 TS min/max -20 +130°C



Take note that the TS temperature regards only the piping (pressure device), in fact these values must be reduced at -10 +55°C in accordance to the limits defined by the fan motors and the regulation system installed on the heat exchanger.

The products above mentioned are the ones included in the LU-VE catalogue at the document date.

NOTE 1: Special de-supeheater for refrigerant CO2 (Ps=4,5 MPa).

The above product families SAV-EAV can be manufactured in this special configuration.

All the models produced as CO2 de-superheater are classified CAT I with following design conditions:

PS 4,5 MPa TS -20 +150°C (special headers)

NOTE 2: Special de-supeheater for refrigerant CO2 (Ps=6 MPa).

The above product families SAV-EAV can be manufactured in this special configuration.

All the models produced as CO2 de-superheater are classified CAT I with following design conditions:

PS 6 MPa TS -20 +150°C (special headers)

NOTE 3: Special condensers for refrigerant R410A

All the products included in the above table can be supplied as condensers for refrigerant R410A, unless models STN STFT and STVF.

All the models produced as condensers for refrigerant R410A are classified CAT I with following design conditions:

PS 4,5 MPa TS -20 +130°C (special headers)

Uboldo, 25/10/2022

Stefano Filippini
Technical Director

