



ITA Tabella di confronto EEV

ENG *EEV cross reference table*



R 407C

Condizioni/Conditions:

T evap. +4°C

T cond. +43°C sottoraffreddamento/subcooling 1K

CAREL vs ALCO

ALCO valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
Ex 4	17	E2V18	13,5
		E2V24	27
Ex 5	53	E2V35	54
Ex 6	126	E3V55	136
Ex 7	347	E4V95	370
Ex 8	925	E6V	1050
-	-	E7V	2185

CAREL vs SPORLAN

SPORLAN valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
SER 1-½	6,6	E2V11	6,2
		E2V14	9,5
SER 6	27	E2V24	27
SER 11	48	E2V35	54
SER 20	89	E3V45	94
SEI 30	155	E3V55	136
		E3V65	190
SEI 50	222	E4V85	265
SEH 100	445	E4V95	370
SEH 175	779	E6V	1050
-	-	E7V	2185

CAREL vs DANFOSS

DANFOSS valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
ETS 12 ½	64	E2V35	54
		E3V45	94
ETS 25	130	E3V55	136
ETS 50	244	E4V85	265
ETS 100	455	E4V95	370
ETS 250	1226	E6V	1050
ETS 400	1950	E7V	2185

La capacità massima si riferisce a valvole completamente aperte; per una regolazione ottimale anche durante i transitori in cui i valori delle pressioni possono essere diversi dai nominali, Carel suggerisce di selezionare le valvole di espansione considerando l'80÷90% della capacità massima.

The maximum capacity is referred to a wide-open valve; for an optimal regulation even during any transition in which the pressures values can be different from the nominal ones, Carel suggests to select expansion valves according to 80÷90% of the maximum capacity.

**R 134a****Condizioni/Conditions:****T evap. +4°C****T cond. +43°C sottoraffreddamento/subcooling 1K****CAREL vs ALCO**

ALCO valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
Ex 4	13,3	E2V18	10,3
		E2V24	21
Ex 5	41	E2V35	41
Ex 6	97	E3V55	104
Ex 7	267	E4V95	285
Ex 8	713	E6V	850
-	-	E7V	1768

CAREL vs SPORLAN

SPORLAN valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
SER 1-½	5,3	E2V11	4,7
		E2V14	7,3
SER 6	21	E2V24	21
SER 11	39	E2V35	41
SER 20	70	E3V45	72
SEI 30	122	E3V55	104
		E3V65	146
SEI 50	175	E4V85	205
SEH 100	351	E4V95	285
SEH 175	612	E6V	850
-	-	E7V	1768

CAREL vs DANFOSS

DANFOSS valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
ETS 12 ½	50	E2V35	41
		E3V45	72
ETS 25	101	E3V55	104
ETS 50	185	E4V85	205
ETS 100	344	E4V95	285
ETS 250	951	E6V	850
ETS 400	1420	E7V	1778

La capacità massima si riferisce a valvole completamente aperte; per una regolazione ottimale anche durante i transitori in cui i valori delle pressioni possono essere diversi dai nominali, Carel suggerisce di selezionare le valvole di espansione considerando l'80÷90% della capacità massima.

The maximum capacity is referred to a wide-open valve; for an optimal regulation even during any transition in which the pressures values can be different from the nominal ones, Carel suggests to select expansion valves according to 80÷90% of the maximum capacity.

R 410A

Condizioni/Conditions:

T evap. +4°C

T cond. +43°C sottoraffreddamento/subcooling 1K

CAREL vs ALCO

ALCO valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
Ex 4	20	E2V18	15
		E2V24	31
Ex 5	60	E2V35	61
Ex 6	145	E3V55	155
Ex 7	399	E4V85	304
Ex 8	1064	E6V	1240
-	-	E7V	2593

CAREL vs SPORLAN

SPORLAN valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
SER 1-½	7,7	E2V11	7
		E2V14	10,8
SER 6	31	E2V24	31
SER 11	56	E2V35	61
SER 20	102	E3V45	107
SEI 30	179	E3V55	155
		E3V65	217
SEI 50	256	E4V85	304
SEH 100	512	E6V	1240
SEH 175	900		
-	-	E7V	2593

CAREL vs DANFOSS

DANFOSS valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
ETS 12 ½	73	E2V35	61
		E3V45	107
ETS 25	149	E3V55	155
ETS 50	272	E4V85	304
ETS 100	508	E6V	1240
-	-	E7V	2593

La capacità massima si riferisce a valvole completamente aperte; per una regolazione ottimale anche durante i transitori in cui i valori delle pressioni possono essere diversi dai nominali, Carel suggerisce di selezionare le valvole di espansione considerando l'80÷90% della capacità massima.

The maximum capacity is referred to a wide-open valve; for an optimal regulation even during any transition in which the pressures values can be different from the nominal ones, Carel suggests to select expansion valves according to 80÷90% of the maximum capacity.

**R 404A****Condizioni/Conditions:****T evap. +4°C****T cond. +43°C sottoraffreddamento/subcooling 1K****CAREL vs ALCO**

ALCO valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
Ex 4	11,7	E2V18	9
		E2V24	18
Ex 5	35	E2V35	36
Ex 6	85	E3V55	91
Ex 7	234	E4V95	249
Ex 8	623	E6V	843
-	-	E7V	1764

CAREL vs SPORLAN

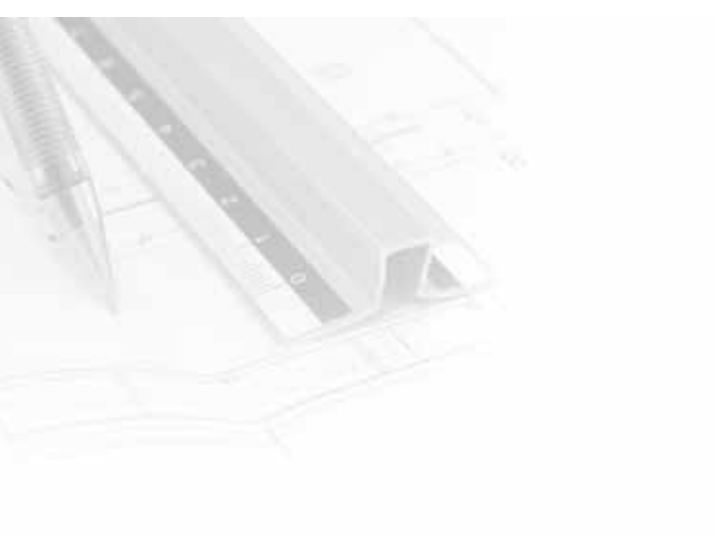
SPORLAN valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
SER 1-½	4,6	E2V11	4
		E2V14	6,3
SER 6	18	E2V24	18
SER 11	32	E2V35	36
SER 20	62	E3V45	63
SEI 30	108	E3V55	91
		E3V65	128
SEI 50	154	E4V85	179
SEH 100	308	E4V95	249
SEH 175	536	E6V	843
-	-	E7V	1764

CAREL vs DANFOSS

DANFOSS valve		Corresponding CAREL valve	
Model	Max Cooling Capacity [kW]	Model	Max Cooling Capacity [kW]
ETS 12 ½	43	E2V35	36
		E3V45	63
ETS 25	88	E3V55	91
ETS 50	161	E4V85	179
ETS 100	300	E4V95	249
ETS 250	824	E6V	843
ETS 400	1315	E7V	1764

La capacità massima si riferisce a valvole completamente aperte; per una regolazione ottimale anche durante i transitori in cui i valori delle pressioni possono essere diversi dai nominali, Carel suggerisce di selezionare le valvole di espansione considerando l'80÷90% della capacità massima.

The maximum capacity is referred to a wide-open valve; for an optimal regulation even during any transition in which the pressures values can be different from the nominal ones, Carel suggests to select expansion valves according to 80÷90% of the maximum capacity.



Headquarters ITALY

CAREL INDUSTRIES - HQs

Via dell'Industria, 11 - 35020 Brugine - Padova (Italy)
Tel. (+39) 0499 716611 - Fax (+39) 0499 716600
carel@carel.com - www.carel.com

Sales organization

CAREL Asia
www.carel.com

CAREL Australia
www.carel.com.au

CAREL China
www.carel-china.com

CAREL South Africa
www.carelcontrols.co.za

CAREL Deutschland
www.carel.de

CAREL France
www.carelfrence.fr

CAREL Ibérica
www.carel.es

CAREL India
www.carel.com

CAREL Russia
www.carelrussia.com

CAREL Sud America
www.carel.com.br

CAREL U.K.
www.careluk.co.uk

CAREL U.S.A.
www.carelusa.com

Affiliates

CAREL Korea
www.carel.co.kr

CAREL Ireland
www.carel.com

CAREL Czech & Slovakia
www.carel-cz.cz

CAREL Thailand
www.carel.co.th

CAREL Turkey
www.carel.com.tr