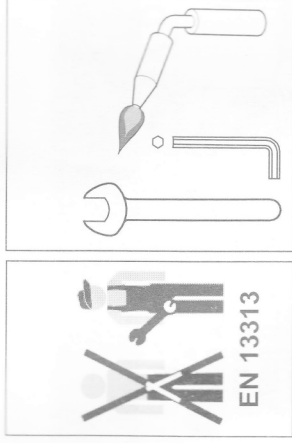


TLK, TLE(X) 0.5-4.5
TBEX / TOEX 0.5-4.5



TLK	TLE 0.5 - 4.5	TLEX 0.5 - 4.5	TOEX-D 0.5 - 4.5	TOEX-W 0.5 - 4.5

	TS = max. 140°C $\Delta t_{\text{oh, stat}} \approx 3 \text{ K}$	EN 378 EN 13313



Automation and Control Solutions

Honeywell GmbH
Hardhofweg
74821 MOSBACH
GERMANY
Phone: +49 (0) 6261 81-475
Fax: +49 (0) 6261 81-461
Email: cooling.mosbach@honeywell.com
www.honeywell-cooling.com

Honeywell

Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Z.A. La Pléce 16, 1180 Rolle, Switzerland by its authorised representative Honeywell GmbH

MU1H-1905GE23 R1012 - EBA-TLE-01
© 2012 Honeywell GmbH
Subject to change without notice • All rights reserved



Honeywell TLEX-....
YYWW
MOP +15 °C
Made in Germany

a R134a +15-40 °C
b MOP +15 °C
d

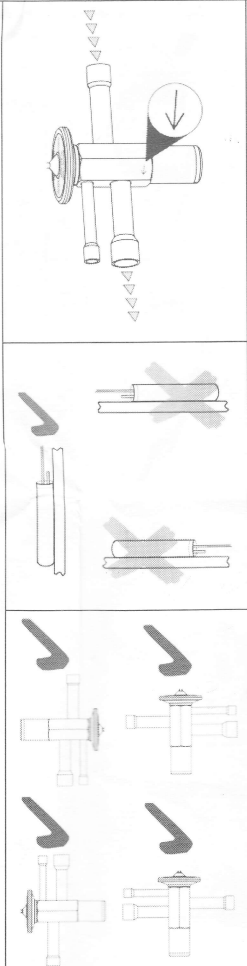
c

a) R22, R23, R134a, R401A, R402A, R404A, R407A, R407B, R407C, R410A, R422D, R507A, R508A, R508B, ISC89

b) $t_{0, \max} / t_{0, \min}$

c) 0.5...4.5 ⇒ **i**

d) MOP Gas Charge
 A } Adsorber Charge
 MOP A }



TLEX, TBEX, TOEX

TLE, TLK

$\Delta t_{0h} = t_{0h} - t_0$
 $\Delta t_{0h} \neq \text{ok} \Rightarrow$

$a = a_R$
 $a \neq a_R \Rightarrow$

d = A or MOP A

YYWW
Made in Germany

a **b** **c** **d**

6mm, 1/4"

0mm

t_{0h} **t₀** **(P₀ → t₀)**



1 TLE, TLEX

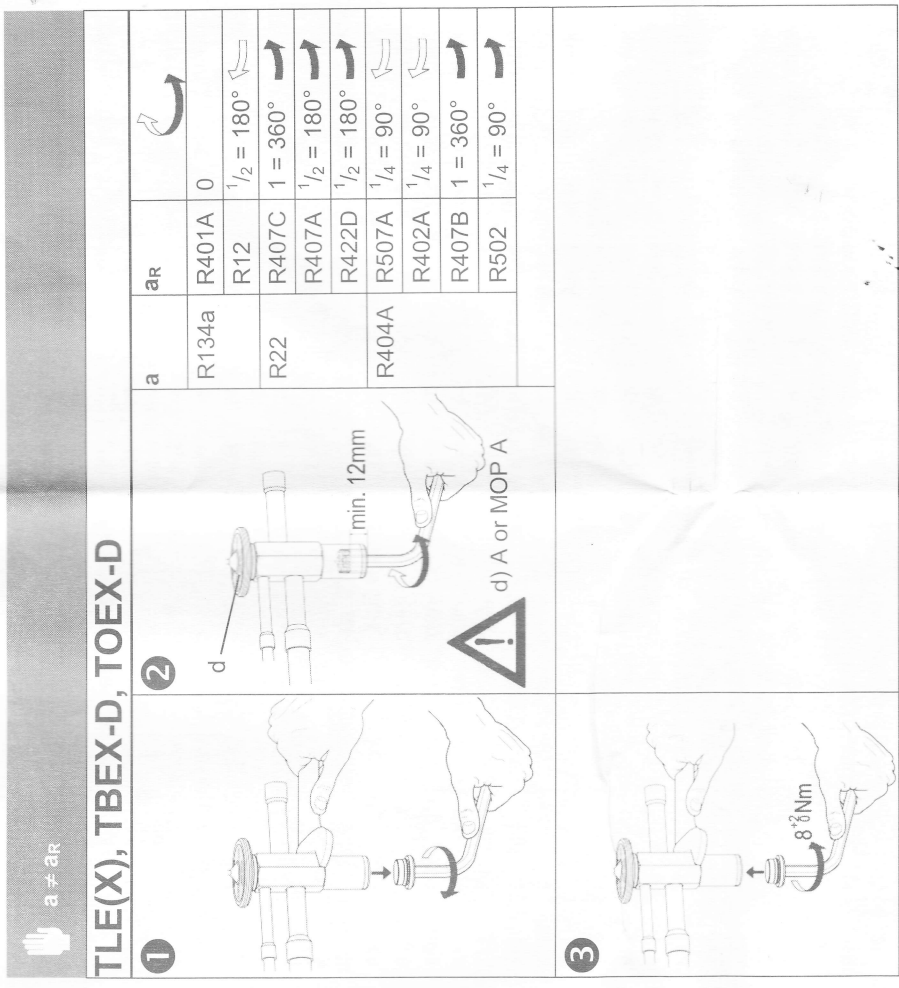
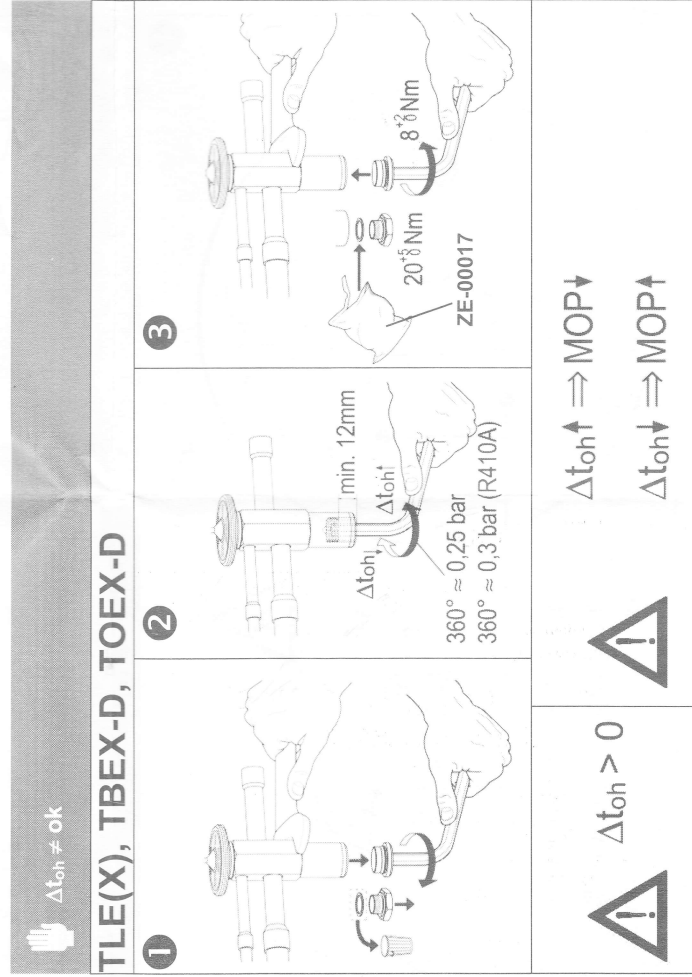
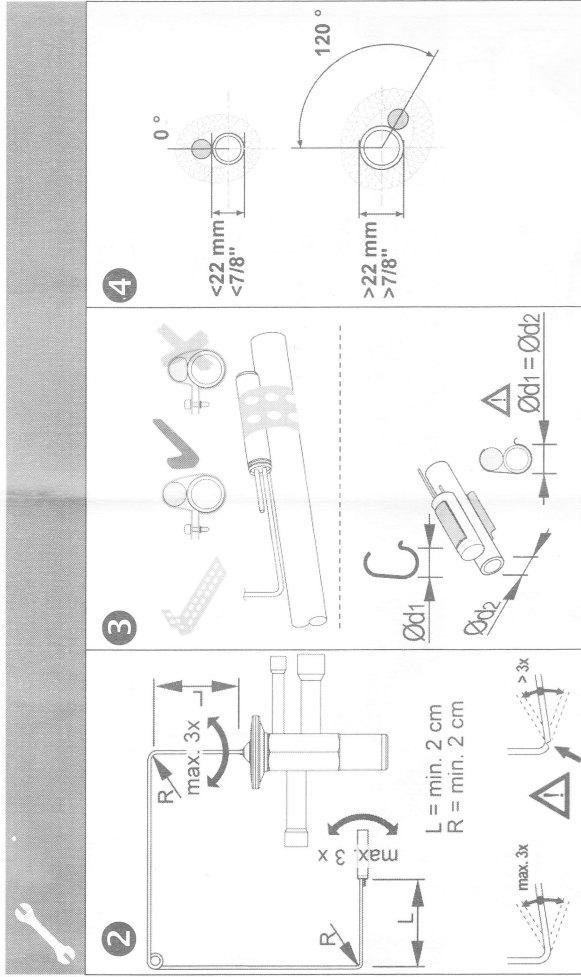
1 TLK

1 TOEX

1 TBEX

max. 100°C

max. 100°C



		Q ₀ [kW]											
		R22	R23	R134a	R401A	R402A	R404A	R407A	R407B	R407C	R410A	R422D	R507A
		R508A	R508B	R508C									
		0.3	0.52	0.55	0.36	0.42	0.38	0.36	0.51	0.40	0.58	0.36	0.38
		0.5	0.99	1.1	0.69	0.79	0.71	0.68	0.96	0.79	0.95	1.1	0.67
		0.7	1.4	1.5	1.0	1.1	0.98	0.97	1.3	1.0	1.3	1.5	0.92
		1.0	2.0	2.2	1.4	1.6	1.5	1.4	1.9	1.5	1.9	2.2	1.3
		1.5	3.2	3.5	2.2	2.5	2.3	2.2	3.1	2.5	3.1	3.5	2.2
		2.0	4.0	4.5	2.9	3.3	2.9	2.8	3.9	3.2	3.9	4.4	2.7
		2.5	5.8	6.4	4.0	4.6	4.2	4.1	5.6	4.6	5.6	6.4	3.9
		3.0	9.3	10.2	6.6	7.4	6.6	6.5	9.0	7.2	8.9	10.2	6.3
		3.5	12.2	13.4	8.7	9.8	8.8	8.6	11.9	9.5	11.7	13.5	8.3
		4.5	17.0	18.6	11.8	13.7	12.3	12.0	16.5	13.3	16.4	18.7	11.3
		t ₀	+4 °C	-70 °C	+4 °C	+4 °C	+4 °C	+4 °C	+4 °C	+4 °C	+4 °C	+4 °C	+4 °C
		t _c	+38 °C	-30 °C	+38 °C	+38 °C	+38 °C	+38 °C	+38 °C	+38 °C	+38 °C	+38 °C	+38 °C
		Δt _{cau}	1 K	1 K	1 K	1 K	1 K	1 K	1 K	1 K	1 K	1 K	1 K

Adsorber Charge

a	b	d	PS [bar(a)]	PF [bar(a)]
R134a	+15 °C ... -30 °C	A	34	37.4
R401A	+15 °C ... -30 °C	A	34	37.4
R22	+15 °C ... -45 °C	A	36	39.6
R407C	+15 °C ... -45 °C	A	36	39.6
R407A	+15 °C ... -45 °C	A	36	39.6
R422D	+15 °C ... -45 °C	A	36	39.6
R404A	+15 °C ... -50 °C	A	36	39.6
R507A	+15 °C ... -50 °C	A	36	39.6
R402A	+15 °C ... -50 °C	A	36	39.6
R407B	+15 °C ... -50 °C	A	36	39.6
R410A	+15 °C ... -20 °C	A	40	44.0
R134a	+5 °C ... -30 °C	MOP A +15 °C	34	37.4
	-10 °C ... -30 °C	MOP A ±0 °C	29	31.9
R401A	+5 °C ... -30 °C	MOP A +15 °C	34	37.4
	-10 °C ... -30 °C	MOP A ±0 °C	29	31.9
R22	+5 °C ... -45 °C	MOP A +15 °C	36	39.6
	-10 °C ... -45 °C	MOP A ±0 °C	29	31.9
R407C	+5 °C ... -45 °C	MOP A +15 °C	36	39.6
	-10 °C ... -45 °C	MOP A ±0 °C	29	31.9
R407A	+5 °C ... -45 °C	MOP A +15 °C	36	39.6
	-10 °C ... -45 °C	MOP A ±0 °C	29	31.9
R422D	+5 °C ... -45 °C	MOP A +15 °C	36	39.6
	-10 °C ... -45 °C	MOP A ±0 °C	29	31.9
R404A	+5 °C ... -50 °C	MOP A +15 °C	36	39.6
	-20 °C ... -50 °C	MOP A -10 °C	34	37.4
R507A	+5 °C ... -50 °C	MOP A +15 °C	36	39.6
	-20 °C ... -50 °C	MOP A -10 °C	34	37.4
	-27 °C ... -50 °C	MOP A -18 °C	34	37.4

Adsorber Charge

a	b	d	PS [bar(a)]	PF [bar(a)]
R402A	-10 °C ... -50 °C	MOP A ±0 °C	36	39.6
	-20 °C ... -50 °C	MOP A -10 °C	34	37.4
	-27 °C ... -50 °C	MOP A -18 °C	34	37.4
R407B	-10 °C ... -50 °C	MOP A ±0 °C	36	39.6
	-20 °C ... -50 °C	MOP A -10 °C	34	37.4
	-27 °C ... -50 °C	MOP A -18 °C	34	37.4
Gas Charge				
ISC 89	-40 °C ... -70 °C	MOP -40 °C	29	31.9
	-55 °C ... -70 °C	MOP -55 °C	29	31.9
R134a	+15 °C ... -40 °C	MOP +15 °C	34	37.4
	+10 °C ... -40 °C	MOP +10 °C	34	37.4
	+10 °C ... -40 °C	MOP ±0 °C	29	31.9
R22	+15 °C ... -45 °C	MOP +15 °C	36	39.6
	+10 °C ... -45 °C	MOP +10 °C	36	39.6
	+10 °C ... -45 °C	MOP ±0 °C	29	31.9
R23	-18 °C ... -45 °C	MOP -18 °C	29	31.9
	-40 °C ... -80 °C	MOP -40 °C	29	31.9
R404A	+10 °C ... -50 °C	MOP +10 °C	36	39.6
	+10 °C ... -50 °C	MOP ±0 °C	29	31.9
R407C	+15 °C ... -30 °C	MOP +15 °C	36	39.6
	+10 °C ... -30 °C	MOP +10 °C	36	39.6
R410A	+15 °C ... -50 °C	MOP +15 °C	40	44.0
	-40 °C ... -70 °C	MOP -40 °C	29	31.9
	-55 °C ... -70 °C	MOP -55 °C	29	31.9
R507A	+10 °C ... -50 °C	MOP +10 °C	36	39.6
R508A	-40 °C ... -90 °C	MOP -40 °C	29	31.9
	-55 °C ... -90 °C	MOP -55 °C	29	31.9
R508B	-40 °C ... -100 °C	MOP -40 °C	29	31.9
	-55 °C ... -100 °C	MOP -55 °C	29	31.9



ZE-00076 (x10)	ZE-00015 (x10)	ZE-00078 (x10)	ZE-00017 (x20)
----------------	----------------	----------------	----------------

