

ENGINEERING
TOMORROW

Danfoss

Quick reference

Light commercial reciprocating compressors **for refrigeration**

R600a 220-240V 50 / 60Hz



Level	Generation	Compressor	Code numbers	Capacity (W) at EN12900 / CECOMAF					EN 12900 (CECOMAF) at LBP rating point -25°C / 55°C			ASHRAE subcooled at LBP rating point -23.3°C / 54.4°C						Displacement cm3				
				Evaporating temperature (°C)					Cooling Capacity W	COP without Run Capacitor W/W	COP with Run Capacitor W/W	Cooling Capacity		COP without Run Capacitor		COP with Run Capacitor						
				-35	-30	-20	-15	-10				-5	0	5	W	kcal/h	W/W		kcal/Wh	W/W	kcal/Wh	
Energy-optimized	1	PLE35K	101H0360			38	52	68	87	109		27		0.68	38	33			0.90	0.77	3.00	
		TLES4KK.3	102H4438	19	29	57	75	96				42	0.90		57	49	1.18				4.01	
		TLES4.8KK.3	102H4538	28	40	73	94	119				55	1.00		74	65	1.30				4.78	
	3	TLES5.7KK.3	102H4638	36	50	89	114	144				68	1.02		91	79	1.32				5.70	
		TLES6.5KK.3	102H4738	45	61	105	134	168				81	1.02		108	94	1.31				6.49	
		TLES7.5KK.3	102H4838	53	71	122	155	194				94	1.02	1.07	126	108	1.32	1.14	1.38	1.19	7.48	
	4	TLES8.7KK.3	102H4938	62	83	143	181	228				110	1.03	1.08	147	126	1.33	1.14	1.39	1.19	8.67	
		NLE10KK.3	102H4038	73	97	162	205	255				126	0.98	1.06	168	145	1.26	1.08	1.36	1.17	10.14	
		NLE8.8KK.4	105H6800	63	84	141	179	223				110	1.18	1.22	147	127	1.51	1.30	1.56	1.34	8.76	
	4	NLE10KK.4	105H6867	74	98	164	207	257				128	1.19	1.23	170	146	1.51	1.30	1.57	1.35	10.09	
		NLE11KK.4	105H6952	82	109	184	232	290				143	1.19	1.22	191	165	1.52	1.31	1.56	1.34	11.15	
		NLE13KK.4	105H6959	99	131	217	274	340				170	1.18	1.23	226	194	1.50	1.29	1.57	1.35	13.25	
	High Energy-optimized	3	NLE15KK.4	105H6968	110	146	243	307	382				190	1.20	1.25	253	213	1.53	1.32	1.59	1.37	14.65
			TLY4.KK.3	102H4442	19	29	57	74	95				42	0.96	0.99	57	49	1.26	1.08	1.29	1.11	4.01
			TLY4.8KK.3	102H4542	28	40	73	94	119				55	1.04	1.06	74	65	1.35	1.16	1.37	1.18	4.78
3		TLY5.7KK.3	102H4642	36	51	89	114	144				68	1.03	1.06	91	79	1.33	1.15	1.37	1.18	5.70	
		TLY6.5KK.3	102H4742	46	62	106	135	170				82	1.10	1.14	110	94	1.42	1.22	1.47	1.27	6.49	
		TLY7.5KK.3	102H4842	53	71	122	155	194				94	1.09	1.14	126	108	1.41	1.22	1.47	1.27	7.48	
3		TLY8.7KK.3	102H4942	65	86	144	182	227				112	1.12	1.16	149	126	1.44	1.24	1.49	1.28	8.67	
		TLY10KK.3	102H4042	74	98	164	208	260				128	1.15	1.21	170	146	1.47	1.27	1.55	1.33	10.13	
		TLX4KK.3	102H4447	21	32	59	76	95				45		1.15***	60	52		1.48***	1.28***	4.01		
4		TLX4.8KK.3	102H4547	36	52	90	116	146				57		1.24***	76	65		1.57***	1.35***	4.78		
		TLX5.7KK.3	102H4647	37	52	91	115	143				70		1.28***	93	80		1.63***	1.40***	5.70		
		TLX6.5KK.3	102H4747	46	63	106	133	165				83		1.30***	110	95		1.65***	1.42***	6.49		
4		TLX7.5KK.3	102H4847	55	75	125	157	195				98		1.32***	130	112		1.68***	1.44***	7.48		
		TLX8.7KK.3	102H4947	65	88	146	184	227				115		1.31***	152	131		1.66***	1.43***	8.67		
		TLX4KK.4	102H4449	21	33	61	78	98				46		1.27***	62	53		1.65***	1.42***	4.01		
High Energy-optimized	4	TLX4.8KK.4	102H4532	32				124				58		1.32***	78	67		1.68***	1.44***	4.78		
		TLX10KK.4	102H4040	76				265				132		1.30***	175	150		1.65***	1.42***	10.13		
		DLX4KK	102H4492	23	33	61	79	101	126			46		1.44***	62.4	54		1.86***	1.60***	4.01		
	1	DLX4.8KK	102H4592	30	43	80	104	131	164			60		1.47***	81.3	70		1.90***	1.63***	4.78		
		DLX5.7KK	102H4692	41	57	97	123	154	190			75		1.47***	100	86		1.89***	1.63***	5.70		
		DLX6.5KK	102H4792	44	60	104	131	164			80		1.49***	107	92		1.91***	1.64***	6.49			
	1	DLX7.5KK	102H4892	52	72	123	156	195			95		1.49***	127	109		1.90***	1.63***	7.48			
		DLX8.7KK	102H4992	62	85	146	186	232			113		1.49***	151	130		1.90***	1.63***	8.67			
		DLX9.4KK	102H4991	69	95	163	207	259			126		1.48***	168	144		1.89***	1.63***	9.38			
	1	DLX10KK	102H4092	76	104	179	227	284			138		1.47***	185	159		1.88***	1.62***	10.14			
		NLX8.8KK.1	105H6015	57	80	141	181	228			108		1.35	145	125		1.65	1.42	8.76			
		NLX10KK.1	105H6104	67	95	168	215	270			128		1.36	172	148		1.75	1.50	10.09			
	1	NLX11KK.1	105H6190	76	107	189	242	304			144		1.36	194	167		1.74	1.50	11.15			
		NLX13KK.1	105H6304	91	125	217	276	345			167		1.37	224	193		1.75	1.50	13.25			
		NLX15KK.1	105H6502	99	138	241	308	387			185		1.34	248	213		1.71	1.47	14.65			
2	NLX8.0KK.2	105H6010	52	73	130	167	210			99		1.47***	133	115		1.88***	1.62***	8.05				
	NLX8.8KK.2	105H6011	62	85	147	187	234			113		1.49***	151	130		1.89***	1.63***	8.76				
	NLX10KK.2	105H6101	75	101	171	217	271			133		1.49***	178	153		1.89***	1.63***	10.09				
2	NLX11KK.2	105H6971	86	115	192	242	301			150		1.49***	200	172		1.89***	1.63***	11.15				
	NLX13KK.2	105H6976	95	129	219	277	345			170		1.49***	227	196		1.89***	1.63***	13.25				
	NLX15KK.2	105H6977	110	147	245	309	384			192		1.48***	255	220		1.88***	1.62***	14.65				
1	NLU8.0KK	105H6004	51	71	124	158	198			95		1.52***	127	109		1.94***	1.67***	8.05				
	NLU8.8KK	105H6005	58	81	141	180	225			108		1.54***	145	125		1.97***	1.69***	8.76				
	NLU10KK	105H6137	71	98	171	219	274			131		1.55***	176	151		1.98	1.70***	10.09				
1	NLU11KK	105H6138	81	112	194	247	309			149		1.55***	200	172		1.98***	1.70***	11.15				
	NLU13KK	105H6371	93	129	224	285	357			172		1.55***	230	198		1.98***	1.70***	13.25				
	NLU15KK	105H6551	105	145	251	320	400			194		1.54***	259	223		1.97***	1.69***	14.65				
Tropical	1	TLES4KTK	102H4436	18	28	55	74	96	123	154		40	0.83	0.84	54	47	1.09	0.94	1.10	0.95	3.86	
		TLES5KTK	102H4536	28	41	76	99	126	159	196		57	0.93	0.95	77	66	1.21	1.04	1.23	1.06	5.08	
		TLES6KTK	102H4636	31	48	87	112	140			66		0.95	0.97	88	76	1.22	1.05	1.24	1.07	5.70	
	1	TLES7KTK	102H4736	40	57	101	130	163			77		0.95	0.97	103	89	1.22	1.05	1.24	1.07	6.49	
		TLES8KTK	102H4836	48	66	116	149	188			89		0.95	0.97	119	103	1.21	1.04	1.23	1.06	7.76	
		NLE9KTK	105H6848	54	74	128	166	211			98		1.03	1.05	131	112	1.32	1.13	1.35	1.15	8.35	
	2	NLE11KTK	105H6948	73	98	162	206	261			127		1.03	1.05	167	144	1.31	1.13	1.34	1.15	11.15	
		NLE15KTK	105H6946	93	128	219	280	351			169		1.00	1.02	225	194	1.27	1.10	1.30	1.12	14.65	
		NLE11KTK.2	105H6173	84	113	192	242	302			149		1.18	1.22	199	165	1.51	1.31	1.56	1.34	11.15	
	1	NLE13KTK.2	105H6929	96	130	219	277	345			171		1.18	1.23	227	194	1.52	1.29	1.57	1.35	13.25	
		NLE15KTK.2	105H6966	106	144	246	314	395			190		1.19		253	218	1.51	1.30			14.65	
		NLU11KTK	105H6139	83	115	199	253	317			153			1.45	205	176		1.85	1.59	11.15		
	1	NLU13KTK	105H638																			

Compressor	Recommended compressor cooling at ambient temperatures			Voltage and frequency	Electrical equipment								Dimensions (mm)				
	32°C	38°C	43°C		LST (RSIR)		LST (RSCR)		Run capacitor		LST / HST		Height		Connectors location / I.D		
	LBP	LBP	LBP		PTC device w/o run capacitor connector		PTC device with run capacitor connector		1 optional 2 compulsory				A	B	C	D	E
					Spades 4.8 mm	Spades 6.3 mm	Spades 4.8 mm	Spades 6.3 mm	Spades 4.8 mm	Spades 6.3 mm	Cord relief	Cover					
PLE35K	S*	S*		1			103N0021	103N0016	117-7119 ²	117-7117 ²	103N1010	103N0491	137	135	6.2	6.2	5.0
TLES4KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLES4.8KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLES5.7KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLES6.5KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLES7.5KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLES8.7KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLES10KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	173	169	6.2	6.2	5.0
NLE8.8KK.4	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	190	183	6.2	6.2	5.0
NLE10KK.4	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	190	183	6.2	6.2	5.0
NLE11KK.4	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	190	183	6.2	6.2	5.0
NLE13KK.4	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	190	183	6.2	6.2	5.0
NLE15KK.4	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	197	190	6.2	6.2	5.0
TLY4.KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLY4.8KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLY5.7KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLY6.5KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLY7.5KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	163	159	6.2	6.2	5.0
TLY8.7KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	173	169	6.2	6.2	5.0
TLY10KK.3	S	S	S	1	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	173	169	6.2	6.2	5.0
TLX4KK.3	S*	S*	S*	1			103N0050	103N0016	117-7119 ²	117-7117 ²	103N1010	103N2010	173	169	6.2	6.2	5.0
TLX4.8KK.3	S*	S*	S*	1			103N0050	103N0016	117-7132 ²	117-7131 ²	103N1010	103N2010	173	169	6.2	6.2	5.0
TLX5.7KK.3	S*	S*	S*	1			103N0050	103N0016	117-7119 ²	117-7117 ²	103N1010	103N2010	173	169	6.2	6.2	5.0
TLX6.5KK.3	S*	S*	S*	1			103N0050	103N0016	117-7119 ²	117-7117 ²	103N1010	103N2010	173	169	6.2	6.2	5.0
TLX7.5KK.3	S*	S*	S*	1			103N0050	103N0016	117-7132 ²	117-7131 ²	103N1010	103N2010	173	169	6.2	6.2	5.0
TLX8.7KK.3	S*	S*	S*	1			103N0050	103N0016	117-7119 ²	117-7117 ²	103N1010	103N2010	173	169	6.2	6.2	5.0
TLX4KK.4	S*	S*	S*	1			103N0050	103N0016	117-7136 ²		103N1010	103N2010	173	169	6.2	6.2	5.0
TLX4.8KK.4	S*	S*	S*	1			103N0050	103N0016	117-7136 ²		103N1010	103N2010	173	169	6.2	6.2	5.0
TLX10KK.4	S*	S*	S*	1			103N0050	103N0016	117-7139 ²		103N1010	103N2010	173	169	6.2	6.2	5.0
DLX4KK	S*	S*	S*	1			103N0055	103N0016	117-7136 ²		103N1010	103N0491	175	169	6.2	6.0	5.0
DLX4.8KK	S*	S*	S*	1			103N0055	103N0016	117-7136 ²		103N1010	103N0491	175	169	6.2	6.0	5.0
DLX5.7KK	S*	S*	S*	1			103N0055	103N0016	117-7136 ²		103N1010	103N0491	175	169	6.2	6.0	5.0
DLX6.5KK	S*	S*	S*	1			103N0055	103N0016	117-7136 ²		103N1010	103N0491	175	169	6.2	6.0	5.0
DLX7.5KK	S*	S*	S*	1			103N0055	103N0016	117-7139 ²		103N1010	103N0491	175	169	6.2	6.0	5.0
DLX8.7KK	S*	S*	S*	1			103N0055	103N0016	117-7139 ²		103N1010	103N0491	175	169	6.2	6.0	5.0
DLX9.4KK	S*	S*	S*	1			103N0055	103N0016	117-7139 ²		103N1010	103N0491	175	169	6.2	6.0	5.0
DLX10KK	S*	S*	S*	1			103N0055	103N0016	117-7132 ²		103N1010	103N0491	175	169	6.2	6.0	5.0
NLX8.8KK.1	S*	S*	S*	1			103N0021	103N0016	117-7136 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLX10KK.1	S*	S*	S*	1			103N0021	103N0016	117-7132 ²	117-7131 ²	103N1010	103N2010	203	197	6.2	6.2	5.0
NLX11KK.1	S*	S*	S*	1			103N0021	103N0016	117-7119 ²	117-7117 ²	103N1010	103N2010	203	197	6.2	6.2	5.0
NLX13KK.1	S*	S*	S*	1			103N0021	103N0016	117-7119 ²	117-7117 ²	103N1010	103N2010	203	197	6.2	6.2	5.0
NLX15KK.1	S*	S*	S*	1			103N0021	103N0016	117-7136 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLX8.0KK.2	S*	S*	S*	1			103N0050	103N0016	117-7132 ²	117-7131 ²	103N1010	103N2010	203	197	6.2	6.2	5.0
NLX8.8KK.2	S*	S*	S*	1			103N0050	103N0016	117-7136 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLX10KK.2	S*	S*	S*	1			103N0050	103N0016	117-7136 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLX11KK.2	S*	S*	S*	1			103N0050	103N0016	117-7136 ²		103N1010	103N2010	203	197	8.2	6.2	6.2
NLX13KK.2	S*	S*	S*	1			103N0050	103N0016	117-7132 ²	117-7131 ²	103N1010	103N2010	203	197	8.2	6.2	6.2
NLX15KK.2	S*	S*	S*	1			103N0050	103N0016	117-7119 ²	117-7117 ²	103N1010	103N2010	203	197	8.2	6.2	6.2
NLU8.0KK	S*	S*	S*	1			103N0055	103N0016	117-7139 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLU8.8KK	S*	S*	S*	1			103N0055	103N0016	117-7139 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLU10KK	S*	S*	S*	1			103N0055	103N0016	117-7139 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLU11KK	S*	S*	S*	1			103N0055	103N0016	117-7139 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLU13KK	S*	S*	S*	1			103N0055	103N0016	117-7132 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLU15KK	S*	S*	S*	1			103N0055	103N0016	117-7132 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
TLES4KTK	S	S	S	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	173	169	6.2	6.2	5.0
TLES5KTK	S	S	S	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	173	169	6.2	6.2	5.0
TLES6KTK	S	S	S	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	173	169	6.2	6.2	5.0
TLES7KTK	S	S	S	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	173	169	6.2	6.2	5.0
TLES8KTK	S	S	S	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	173	169	6.2	6.2	5.0
NLE9KTK	S	S	S	2/3	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	197	191	6.2	6.2	5.0
NLE11KTK	S	S	S**	2/3	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	197	191	6.2	6.2	5.0
NLE15KTK	S	S	F1	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	197	191	6.2	6.2	5.0
NLE11KTK.2	S	S	S	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	203	197	6.2	6.2	5.0
NLE13KTK.2	S	S	S	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	203	197	6.2	6.2	5.0
NLE15KTK.2	S	S	S	2	103N0018	103N0011	103N0021	103N0016	117-7119 ¹	117-7117 ¹	103N1010	103N2010	203	197	6.2	6.2	5.0
NLU11KTK	S*	S*	S*	2			103N0055	103N0016	117-7132 ²		103N1010	103N2010	203	197	6.2	6.2	5.0
NLU13KTK	S*	S*															

Applications**LBP** = Low Back Pressure**MBP** = Medium Back Pressure**HBP** = High Back Pressure**Motor types****RSIR** = Resistant Start Induction Run**RSCR** = Resistant Start Capacitor Run**Starting devices****LST** = Low Starting Torque**HST** = High Starting Torque**Compressor cooling****S** = Static cooling normally sufficient**O** = Oil cooling**F₁** = Fan cooling 1.5 m/s

(compressor compartment temp. equal to ambient temperature)

F₂ = Fan cooling 3.0 m/s necessary**Voltage and frequencies****1** = 198-254V, 50Hz**2** = 187-254V, 50Hz**3** = 198-254V, 60Hz, LBP, F₁**4** = 198-254V, 50 - 60Hz**Note:** To fulfil the requirements of EN 60355-2-34 the protection screen 103N0476 must be applied to the PTC starting device.**Run capacitors**

117-7117 4 µF

117-7129 5 µF

117-7131 3 µF

117-7136 2 µF

117-7140 3.5 µF

117-7119 4 µF

117-7130 5 µF

117-7132 3 µF

117-7139 2.5 µF

Model designation

Compressor design	Optimization level	Compressor size	Application range	Start characteristics	Generation
PL	Blank: Standard energy level S: Semi direct intake E: Energy optimized (optimized motor) X,Y,U: High energy optimized (high optimization level)	Nominal displacement in cm ³ Exception: For PL compressors the capacity at rating point is stated	K: R600a LBP / (MBP) KT: R600a LBP / (MBP) Tropical MK: R600a MBP	Blank > Universal (principal rule) K = LST Characteristics (capillary tube)	Blank > first generation
TL					.2 > Second generation
DL					.3 > third generation etc...
NL					

Examples

Compressor design	Optimization level	Compressor size	Application range	Start characteristics	Generation
PL	E	35	K		
TL	ES	6	KT	K	
NL	X	15	K	K	.2

Test conditions

Test Conditions	EN 12900 CECOMAF (220 V / 50 Hz)	ASHRAE (220 V / 50 Hz)
Application	R600a	R600a
Condensing temperature	55°C	54.4°C
Ambient temperature	32°C	32°C
Suction gas temperature	32°C	32°C
Liquid temperature	55°C	32°C

Application range

- All compressors for R600a have denominations ending with K or MK after the number for displacement or capacity. They are designed for low operating temperatures - LBP (Low Back Pressure) for use in refrigerators, freezers and similar applications.
- Compressors with endings **K** and **KK** are designed for low operating temperatures - **LBP** (Low Back Pressure) and for regions with stable supply voltage.
- Endings **KTK** are designed for LBP (Low Back Pressure) and for less stable supply voltage and tropical conditions. Some of the smaller compressors are also released for medium operating temperatures - MBP (Medium Back Pressure).
- Endings with **MK** are designed for light commercial applications - MBP (Medium Back Pressure).

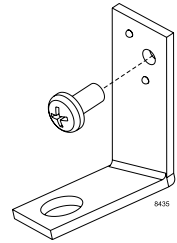
Run capacitor holder

A run capacitor holder is available for the Energy-optimized and High Energy-optimized compressor range. This optional part enables to fix the run capacitor for 220 V directly and earth-connected on the compressor shell, concentrating all electrical accessories on the compressor.

This will save space in the machine compartment.

Code numbers:

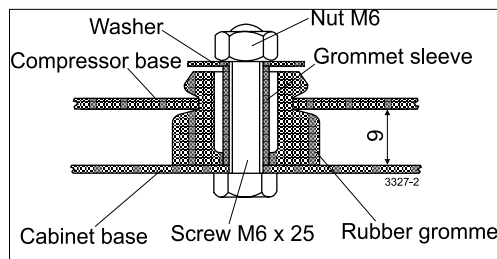
- Run capacitor holder 117-0300
- Screw M4 x 8 PZD 2 117-0301



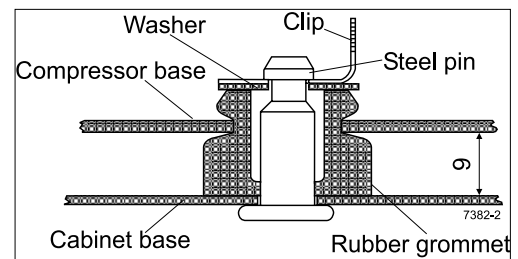
Mounting accessories

The mounting accessories for the compressors are available in two versions, with bolt joint or snap-on joint.

The rubber grommets are designed for the 16 mm holes of the baseplate.



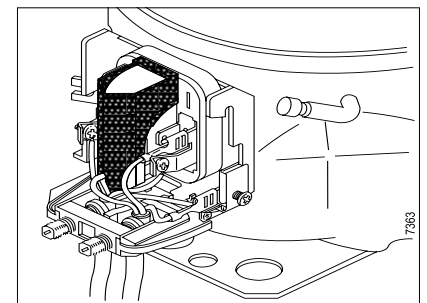
Bolt joint for
one compressor: 118-1917
in quantities: 118-1918




Snap-on
in quantities: 118-1919

Protection screen for PTC

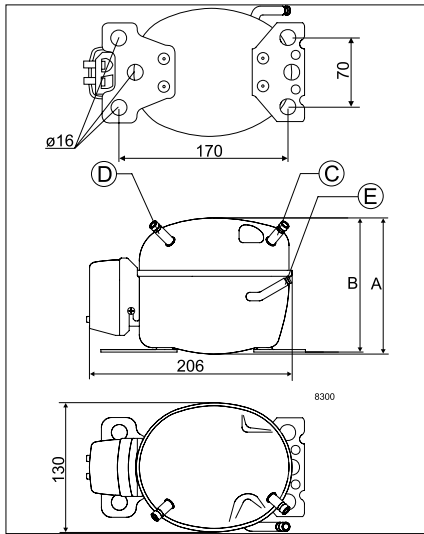
Note: To fulfil the requirements of EN 60355-2-34 the protection screen 103N0476 must be applied to the PTC starting device.



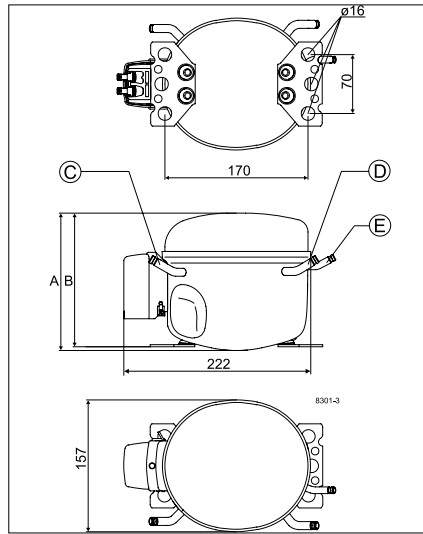
Warnings

- R600a is flammable in concentrations of air between approximately 1.5% and 8.5% by volume (LEL lower explosion limit and UEL upper explosion limit).
- An ignition source at a temperature higher than 460°C is needed for a combustion to occur.
- Yellow warning label: 
- Isobutane is significantly different from R12 and R134a. This means that compressors for R600a cannot be used with R12 or R134a.
- No high potential test nor start tests must be carried out while the compressor is under vacuum.
- No attempt must be made to start the compressor without a complete starting device.
- Allow the compressor to assume a temperature above 10°C before starting the first time in order to avoid starting problems.
- Anti-freeze agents must not be used in the compressors as such agents are damaging to several of the materials used. In particular, the ethyl or methyl alcohol contents of such anti-freeze agents have a destructive effect on the synthetic motor insulation.

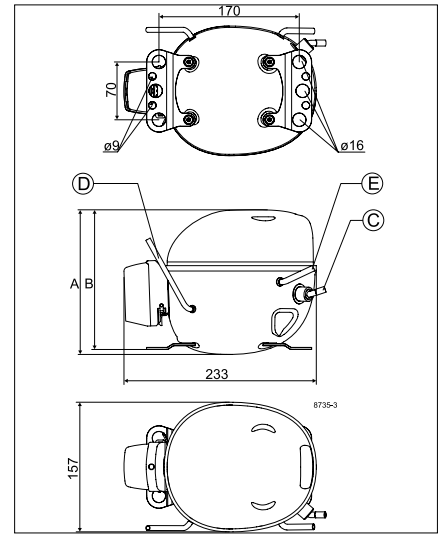
PLE



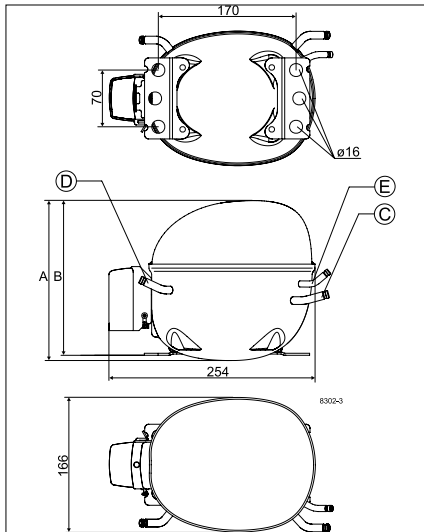
TLES / TLX / TLY



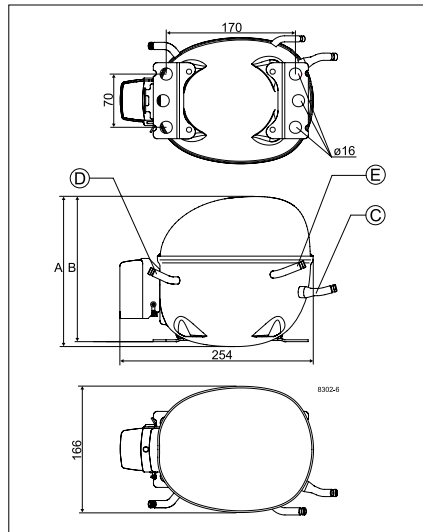
DLX



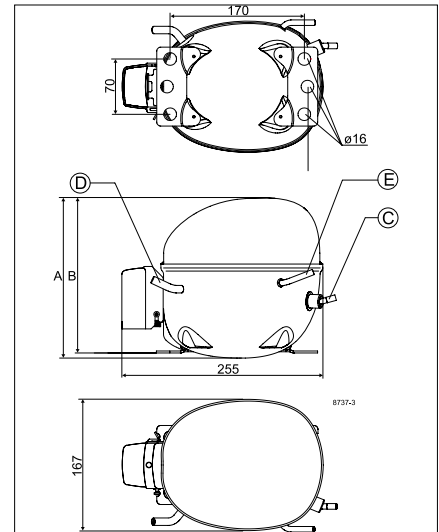
NLE / NLX



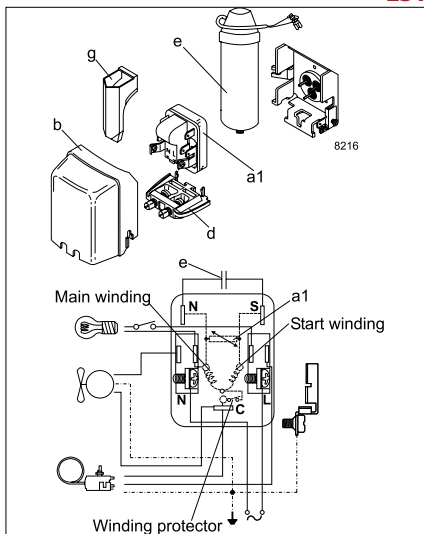
NLX-KK.1/2



NLU

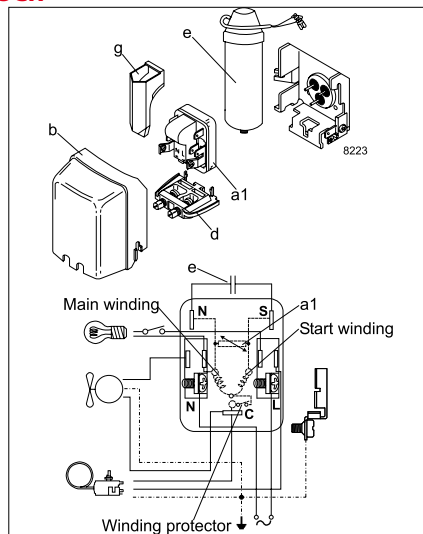


LST - RSCR

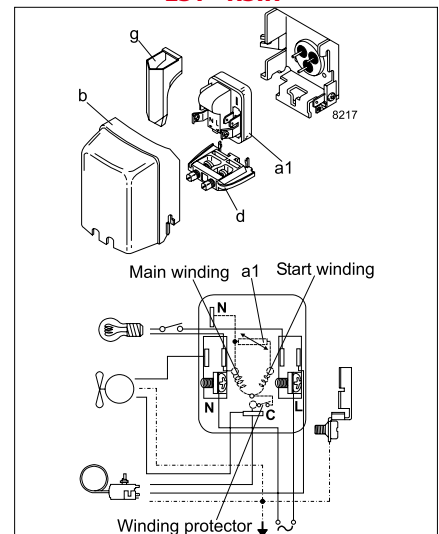


PLE / DLX

LST - RSIR



TLES / TLX / TLY - NLE / NLX / NLU



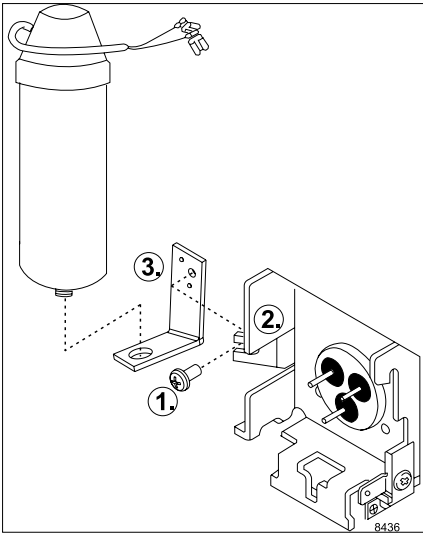
TLES / TLY - NLE

Legend :
a1: PTC starting device

b: Cover
d: Cord relief

e: Run capacitor
g: Protection screen for PTC

Run capacitor holder



Run capacitor holder	117-0300
Screw M4 x 8 PZD 2	117-0301

Danfoss Commercial Compressors

is a worldwide manufacturer of compressors and condensing units for refrigeration and HVAC applications. With a wide range of high quality and innovative products we help your company to find the best possible energy efficient solution that respects the environment and reduces total life cycle costs.

We have 40 years of experience within the development of hermetic compressors which has brought us amongst the global leaders in our business, and positioned us as distinct variable speed technology specialists. Today we operate from engineering and manufacturing facilities spread across three continents.



Our products can be found in a variety of applications such as rooftops, chillers, residential air conditioners, heatpumps, coldrooms, supermarkets, milk tank cooling and industrial cooling processes.

<http://cc.danfoss.com>

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