

Mbsm.pro, Compressor, Danfoss, 1/3
hp, Lbp, NL9FT, 105G6838, 105G 6838

Category: compressor

written by Lilianne | 7 October 2023



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Danfoss ,Fridge Compressor ,NL7FT , 1/4 HP ,R134a

Quick reference

R404A - R507 - R134a - R290 220 - 240V 50 / 60 Hz

Refrigerant	Frequency	Compressor	Code numbers		Horsepower (approx.)	Capacity (W) at test conditions											Power consumption (W)	Displacement	Recommended compressor cooling at ambient temperatures													
			Compressor	Compressor with oil cooling		Evaporating temperature (°C)													cm3	32°C			38°C			43°C						
						-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	-25				-10	LBP	MBP	HBP	LBP	MBP	HBP	LBP	MBP	HBP			
R134a	50 Hz	PL50F	101G0220		1/12			14	26	40	45	56	74	95		60	86	2.50		S			S									
		TL53FT	102G4324		1/10			21	34	50	56	69	92	120		62	92	3.13	S			S										
		TL54FT	102G4424		1/8			27	43	63	71	88	117	152		87	123	3.86	S			S										
		TL55FT	102G4524		1/6			48	71	98	109	131	170	216		114	165	5.08	S			S										
		NL6FT	105G6628		1/5			60	84	115	127	152	198	253		123	184	6.13	S			S										
		NL7FT	105G6728	105G6738	1/4			71	100	136	150	181	235	299		145	220	7.27	S			S										
		NL9FT	105G6828	105G6838	1/3			87	120	162	178	213	275	350		169	252	8.35	S			O/F ₁								O/F ₁		
		NL10FT	105G6829	105G6839	3/8			113	158	213	235	281	361	455		217	327	10.10	S			O/F ₁								O/F ₁		
		SC12FT	104G8205	104G8215	3/8			103	163	233	259	314	408	517	645	265	380	12.87	O/F ₁			O/F ₁										
		SC15FT	104G8505	104G8515	1/2			126	197	280	311	376	489	620	772	311	451	15.28	F ₁			F ₁								F ₂		
		SC18FTX	104G8805		5/8			144	229	325	361	437	567	719	896	365	517	17.69	F ₂			F ₂								F ₂		
		SC21FTX	104G8105		3/4			192	296	415	460	553	713	901	1119	428	613	20.95	F ₂			F ₂								F ₂		
		PL35G	101G0250		1/16					34	39	48	64	82	104	52	79	2.00	S			F ₂		F ₂				F ₂				
		TL2.5G	102G4251		1/16			14	27	42	48	60	80	105	134	67	96	2.61	S			S		S			S	S	S	S	F ₂	
		TL3G	102G4350		1/12			30	47	54	69	95	125			70	111	3.13	S			S		S			S	S	S	S		
TL4G	102G4452		1/10			48	70	78	96	127	166			87	135	3.86	S			S		S			S	S	S	S				
TL5G	102G4550		1/8			65	92	102	123	162	207			106	170	5.08	S			S		S			S	S	S	S				
FR6G	103G6660		1/6			51	93	108	141	199	266			119	197	6.23	S			F ₂		F ₂			F ₂	F ₂	F ₂	F ₂	F ₂			
FR7.5G	103G6680	103G6690	1/5			67	112	130	166	228	300			138	229	6.93	S			F ₂		F ₂			F ₂	F ₂	O/F ₁	F ₂	F ₂			
FR8.5G	103G6780	103G6790	1/4			92	138	156	195	263	345			164	273	7.95	S			F ₂		F ₂			F ₂	F ₂	O/F ₁	F ₂	F ₂			
FR10G	103G6880	103G6890	1/3			99	153	173	217	292	381			194	314	9.05	S			F ₂		F ₂			F ₂	F ₂	O/F ₁	F ₂	F ₂			
SC12FT	104G8205	104G8215	1/2			125	192	272	302	366	477	608	761	298	458	12.87	O/F ₁			O/F ₁								F ₂				
SC15FT	104G8505		5/8			154	235	330	365	441	571	724	904	356	537	15.28	F ₁			F ₁		F ₁						F ₂				
SC18FTX	104G8805		3/4			187	280	390	432	520	675	857	1071	420	622	17.69	F ₂			F ₂		F ₂						F ₂				
SC21FTX	104G8106		7/8			240	345	470	518	620	800	1012	1262	475	707	20.95	F ₂			F ₂		F ₂						F ₂				
R404A	60 Hz	TL4CL	102U2071		1/8	52	65	84	110	142	155	182	230	286	352	140	198	3.86	F ₂			F ₂		F ₂			F ₂					
		FR6CL	103U2670		1/6	77	108	145	189	243	263	307	383	473	578	242	353	6.23	F ₂			F ₂		F ₂			F ₂					
		FR7.5CL	103U2790		1/5	86	114	154	202	262	285	333	418	515	630	267	395	6.93	F ₂			F ₂		F ₂			F ₂					
		FR8.5CL	103U2890		1/4	99	126	168	222	290	317	372	468	577		315	472	7.95	F ₂			F ₂		F ₂			F ₂					
		NL7CLX	103F3710		1/3	102	146	199	263	340	369	430	536	657	796	274	381	7.27	F ₁			F ₁		F ₁			F ₁		F ₂	F ₂		
		SC10CLX	104L2533		1/3			166	255	360	400	483	625	789	977	352	508	10.29	F ₂			F ₂		F ₂			F ₂					
		SC12CL	104L2623		3/8	58	140	237	353	490	541	650	835	1048	1292	445	654	12.87	F ₂			F ₂		F ₂			F ₂					
		SC12CLX.2	104L2697		1/2	130	205	294	399	522	569	666	834	1026		475	659	12.87	F ₂			F ₂		F ₂			F ₂					

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Refrigerant	Frequency	Compressor	Code numbers		Horsepower (approx.)	EN 12900 (CECOMAF) Capacity [W]										EN Po
			Compressor	Compressor with oil cooling		Evaporating temperature [°C]										
						-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-5	
R134a	50 Hz	PL50F	101G0220		1/12			14	26	40	45	56	74	95		
		TLS3FT	102G4324		1/10			21	34	50	56	69	92	120		
		TLS4FT	102G4424		1/8			27	43	63	71	88	117	152		
		TLS5FT	102G4524		1/6			48	71	98	109	131	170	216		
		NL6FT	105G6628		1/5			60	84	115	127	152	198	253		
		NL7FT	105G6728	105G6738	1/4			71	100	136	150	181	235	299		
		NL9FT	105G6828	105G6838	1/3			87	120	162	178	213	275	350		
		NL10FT	105G6829	105G6839	3/8			113	158	213	235	281	361	455		
		SC12FT	104G8205	104G8215	3/8			103	163	233	259	314	408	517	645	
		SC15FT	104G8505		1/2			126	197	280	311	376	489	620	772	
	SC18FTX	104G8805		5/8			144	229	325	361	437	567	719	896		
	SC21FTX	104G8105		3/4			192	296	415	460	553	713	901	1119		
	60 Hz	PL35G	101G0250		1/16					34	39	48	64	82	104	
		TL2.5G	102G4251		1/16			14	27	42	48	60	80	105	134	
		TL3G	102G4350		1/12				30	47	54	69	95	125		
		TL4G	102G4452		1/10				48	70	78	96	127	166		
		TL5G	102G4550		1/8				65	92	102	123	162	207		
		FR6G	103G6660		1/6				51	93	108	141	199	266		
		FR7.5G	103G6680	103G6690	1/5				67	112	130	166	228	300		
		FR8.5G	103G6780	103G6790	1/4				92	138	156	195	263	345		
		FR10G	103G6880	103G6890	1/3				99	153	173	217	292	381		
SC12FT		104G8205	104G8215	1/2			125	192	272	302	366	477	608	761		
SC15FT		104G8505		5/8			154	235	330	365	441	571	724	904		

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it	Compressor	Code numbers	Horsepower (approx.)	Température d'évaporation [°C]															
				Compressor	Compressor with oil cooling	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20
HBP / MBP / (LBP)	PL35G	101G0250						28	39	53	69	89	112	140	172	209			
	TL2.5G	102G4251			11	22	36	51	69	90	116	145	179	219	264				
	TL3G	102G4350				25	41	59	81	106	136	170	211	258	312				
	TL4G	102G4452				41	58	80	107	140	180	226	280	342	413				
	TL5G	102G4550				56	79	107	139	178	224	278	341	414	497				
	FR6G	103G6660				48	83	124	171	226	290	365	452	552					
	FR7.5G	103G6680	103G6690				62	99	142	193	254	325	408	505	618				
	FR8.5G	103G6780	103G6790				85	123	171	228	298	381	478	592	722				
	FR10G	103G6880	103G6890				92	136	188	250	324	412	516	638	779				
	FR11G	103G6980					115	170	233	307	395	501	628	780					
	SC10G	104G8000				23	60	113	183	268	369	486	618	764	925	1100			
	SC12G	104G8240	104G8250			65	113	175	252	348	464	603	768	960	1182	1437			
	SC15G	104G8520	104G8530					164	290	424	568	728	908	1110	1340	1600			
	SC18G	104G8820	104G8830					283	394	526	684	870	1087	1337	1624	1950			
	SC21G	104G8140						333	453	606	793	1013	1269	1561	1889	2257			
	SC12/12G	104G8280				129	226	350	505	696	928	1206	1535	1920	2364	2875			
	SC15/15G	104G8580						328	581	847	1137	1457	1815	2220	2679	3201			
	SC18/18G	104G8880						566	788	1052	1368	1740	2174	2674	3248	3900			
	SC21/21G	104G8180						665	906	1212	1584	2026	2538	3121	3778	4510			
	LBP	PL50F	101G0222						40	56	74	95	120	148					
		TLS3FT	102G4324			21	34	50	69	92	120								
TLS4FT		102G4424			27	43	63	88	117	152									
TLS5FT		102G4524			48	71	98	131	170	216									
NL6FT		105G6628			60	84	115	152	198	253									
NL7FT		105G6728	105G6738			71	100	136	181	235	299								
NL9FT		105G6828	105G6838			87	120	162	213	275	350								
NL10FT		105G6829	105G6839			113	158	213	281	361	455								
SC12FT		104G8205	104G8215			103	163	233	314	408	517	645							
SC15FT		104G8505	104G8515			126	197	280	376	489	620	772							

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