

Mbsm.pro, Danfoss, Reciprocating, compressor, NLX11KK.2, 105H6971, NLX11KK.2 105H6971, 1/4 hp++, 1/3 hp-, r600a

written by mahdi miled | 10 November 2022

			-35	-30	-20	-15	-10	-5	0	5	[W]	[W/W]	[W/W]	[W]	[kcal/h]	[W/W]	[kcal/Wh]
Energy-optimized	1.	PLE35K	101H0360			38	52	68	87	109		27		0.68	38	33	
		TLES4KK.3	102H4438	19	29	57	75	96			42	0.90		57	49	1.18	
		TLES4.8KK.3	102H4538	28	40	73	94	119			55	1.00		74	65	1.30	
		TLES5.7KK.3	102H4638	36	50	89	114	144			68	1.02		91	79	1.32	
		TLES6.5KK.3	102H4738	45	61	105	134	168			81	1.02		108	94	1.31	
		TLES7.5KK.3	102H4838	53	71	122	155	194			94	1.02	1.07	126	108	1.32	1.14
		TLES8.7KK.3	102H4938	62	83	143	181	228			110	1.03	1.08	147	126	1.33	1.14
		TLES10KK.3	102H4038								130	1.04		172	148	1.35	1.15
		NLE8.8KK.4	105H6800	63	84	141	179	223			110	1.18	1.22	147	127	1.51	1.30
		NLE10KK.4	105H6867	74	98	164	207	257			128	1.19	1.23	170	151	1.51	1.30
High Energy-optimized	4.	NLE13KK.4	105H6952	82	109	184	232	290			143	1.19	1.22	191	165	1.52	1.31
		NLE13KK.4	105H6959	99	131	217	274	340			170	1.18	1.23	226	194	1.50	1.29
		NLE15KK.4	105H6968	110	146	243	307	382			190	1.20	1.25	253	213	1.53	1.32
		TLY4 KK.3	102H4442	19	29	57	74	95			42	0.96	0.99	57	49	1.26	1.08
		TLY4.8KK.3	102H4542	28	40	73	94	119			55	1.04	1.06	74	65	1.35	1.16
		TLY5.7KK.3	102H4642	36	51	89	114	144			68	1.03	1.06	91	79	1.33	1.15
		TLY6.5KK.3	102H4742	46	62	106	135	170			82	1.10	1.14	110	94	1.42	1.22
		TLY7.5KK.3	102H4842	53	71	122	155	194			94	1.09	1.14	126	108	1.41	1.22
		TLY8.7KK.3	102H4942	65	86	144	182	227			112	1.12	1.16	149	126	1.44	1.24
		TLX4KK.3	102H4447	21	32	59	76	95			45		1.15***	60	52		
High Energy-optimized	3.	TLX4.8KK.3	102H4547	36	52	90	116	146			57		1.24***	76	65		
		TLX5.7KK.3	102H4647	37	52	91	115	143			70		1.28***	93	80		
		TLX6.5KK.3	102H4747	46	63	106	133	165			83		1.30***	110	95		
		TLX7.5KK.3	102H4847	55	75	125	157	195			98		1.32***	130	112		
		TLX8.7KK.3	102H4947	65	88	146	184	227			115		1.31***	152	131		
		NLX8.8KK	105H6874	60	83	144	182	227			111		1.35	148	127		
		NLX10KK	105H6871	74	100	169	215	269			131		1.36	174	150		
		NLX11KK	105H6984	84	112	189	240	300			147		1.36	195	168		
		NLX13KK	105H6983	98	133	223	282	350			174		1.36	231	199		
		NLX15KK	105H6981	110	147	249	317	397			193		1.34	257	221		
High Energy-optimized	1.	NLX8.0KK.2	105H6010	52	73	130	167	210			99		1.47***	133	115		
		NLX8.8KK.2	105H6011	62	85	147	187	234			113		1.49***	151	130		
		NLX10KK.2	105H6101	75	101	171	217	271			133		1.49***	178	153		
High Energy-optimized	2.	NLX11KK.2	105H6971	86	115	192	242	301			150		1.49***	200	172		

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Description

Product details

Gross weight	12.47 kg
Net weight	12.47 kg
Gross weight	12.47 kg

Net weight	12.47 kg
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Application energy level	High Energy-optimized
Applications	LBP
Auxiliary winding resistance (start winding) for single-phase compressors alt [0hm]	31.8 0hm
Base plate type	EU small
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Black
Compressor power supply [V/Ph/Hz]	220-240/1/50
Configuration code	Single
Cut in current LST [A]	6.4 A
Description	NLX11KK.2
Discharge connection angle [°]	21 °
Discharge connection comments	Al-cap
Discharge connection diameter [mm]	5 mm
Discharge connection material	Cu-plated steel
Economizer	No
Free gas volume [cm3]	2360 cm3
Frequency [Hz]	50
Height from baseplate [mm]	197 mm
High value of nominal voltage at 50Hz [V]	240 V
High value of voltage range at 50Hz [V]	255 V
Length [mm]	252 mm
Liquid injection	No


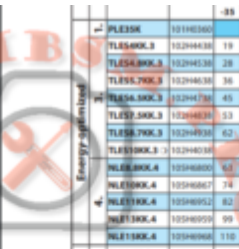
Low value of nominal voltage at 50Hz [V]	220 V
Low value of voltage range at 50Hz [V]	187 V
LRA LST [A]	3.5 A
Main winding resistance for single- phase compressors [0hm]	18.5 0hm
Model number	NLX11KK.2
Motor type	RSCR
No. of phases (compressor)	1
Oil quantity [cm3]	270 cm3
Oil type	P0E
Packing format	Industrial pack
Packing quantity	80
Process connection angle [°]	25 °
Process connection comments	Al-cap
Process connection diameter [mm]	6.2 mm
Process connection material	Cu-plated steel
Refrigerant	R600a
Refrigerant charge [kg] [Max]	0.15 kg
RLA	0.70 A
Rotational speed at 50Hz [rpm]	3000 rpm
Run capacitor capacitance	2 µF
Segment usage	Refrigeration LT
Speed Platform	Fixed-speed
Suction connection angle [°]	2 °
Suction connection comments	Al-cap
Suction connection diameter [mm]	6.2 mm
Suction connection material	Cu-plated steel
Swept volume [cm3]	11.15 cm3

Technology	Reciprocating
Total height [mm]	203 mm
Type	NL
Type designation	Compressor
Voltage 50Hz [V]	220 V
Voltage 50Hz [V] [Max]	240 V
Width [mm]	166 mm
Winding temperature short term [°C] [Max]	110 °C
Winding temperature stat [°C] [Max]	95 °C
Application energy level	High Energy-optimized
Applications	LBP
Auxiliary winding resistance (start winding) for single-phase compressors alt [Ohm]	31.8 Ohm
Base plate type	EU small
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Black
Compressor power supply [V/Ph/Hz]	220-240/1/50
Configuration code	Single
Cut in current LST [A]	6.4 A
Description	NLX11KK.2
Discharge connection angle [°]	21 °
Discharge connection comments	Al-cap
Discharge connection diameter [mm]	5 mm
Discharge connection material	Cu-plated steel
Economizer	No
Free gas volume [cm3]	2360 cm3
Frequency [Hz]	50

Height from baseplate [mm]	197 mm
High value of nominal voltage at 50Hz [V]	240 V
High value of voltage range at 50Hz [V]	255 V
Length [mm]	252 mm
Liquid injection	No
Low value of nominal voltage at 50Hz [V]	220 V
Low value of voltage range at 50Hz [V]	187 V
LRA LST [A]	3.5 A
Main winding resistance for single-phase compressors [Ohm]	18.5 Ohm
Model number	NLX11KK.2
Motor type	RSCR
No. of phases (compressor)	1
Oil quantity [cm3]	270 cm3
Oil type	P0E
Packing format	Industrial pack
Packing quantity	80
Process connection angle [°]	25 °
Process connection comments	Al-cap
Process connection diameter [mm]	6.2 mm
Process connection material	Cu-plated steel
Refrigerant	R600a
Refrigerant charge [kg] [Max]	0.15 kg
RLA	0.70 A
Rotational speed at 50Hz [rpm]	3000 rpm
Run capacitor capacitance	2 µF

Segment usage	Refrigeration LT
Speed Platform	Fixed-speed
Suction connection angle [°]	2 °
Suction connection comments	Al-cap
Suction connection diameter [mm]	6.2 mm
Suction connection material	Cu-plated steel
Swept volume [cm3]	11.15 cm3
Technology	Reciprocating
Total height [mm]	203 mm
Type	NL
Type designation	Compressor
Voltage 50Hz [V]	220 V
Voltage 50Hz [V] [Max]	240 V
Width [mm]	166 mm
Winding temperature short term [°C] [Max]	110 °C
Winding temperature stat [°C] [Max]	95 °C

Refrigerant: R600a, Segment usage: Refrigeration LT, Compressor power supply [V/Ph/Hz]: 220-240/1/50Mbsm_dot_pro_private_PDF_nlx11kk.2

			-35	-30	-20	-15	-10	-5	0	5	(10)	(15/10)	(20/10)	(25)	(30/15)	(35/15)	(40/15)	(45/15)	(50/15)
Energy optimized	PLE35K	10190560									27	0.68	36	33					
	TL54.80K.3	10294430	19	29	57	75	96				42	0.90		57	49	1.16			
	TL54.80K.3	10294430	28	40	73	94	119				55	1.00		74	65	1.30			
	TL54.70K.3	10294430	36	50	89	116	144				68	1.02		91	79	1.32			
Energy optimized	TL54.80K.3	10294430	45	61	105	134	168				81	1.02		108	94	1.31			
	TL54.80K.3	10294430	53	71	122	155	194				94	1.02	1.07	126	108	1.32	1.14		
	TL54.70K.3	10294430	62	80	143	181	228				110	1.03	1.08	147	126	1.33	1.14		
	TL54.80K.3	10294430									130	1.04		172	148	1.35	1.15		
Energy optimized	TL54.80K.4	10294430	62	84	143	179	223				110	1.18	1.22	147	127	1.31	1.30		
	TL54.80K.4	10294430	74	99	164	207	257				128	1.19	1.23	170	151	1.31	1.30		
	TL54.80K.4	10294430	82	108	184	232	290				143	1.19	1.22	191	165	1.32	1.31		
	TL54.80K.4	10294430	99	137	217	274	340				170	1.18	1.23	226	194	1.30	1.29		
Energy optimized	TL54.80K.4	10294430	110	146	243	307	382				190	1.20	1.25	251	213	1.33	1.32		
	TL54.80K.3	10294442	19	29	57	74	95				42	0.96	0.99	57	49	1.26	1.08		
	TL54.80K.3	10294442	28	40	73	94	119				55	1.04	1.06	74	65	1.35	1.16		
	TL54.70K.3	10294442	36	51	89	116	144				68	1.03	1.06	91	79	1.33	1.15		
Energy optimized	TL54.80K.3	10294442	46	62	106	135	170				82	1.10	1.14	110	94	1.42	1.22		
	TL54.70K.3	10294442	53	71	122	155	194				94	1.09	1.14	126	108	1.41	1.22		
	TL54.70K.3	10294442	65	86	144	182	227				112	1.12	1.16	149	126	1.44	1.24		
	TL54.80K.3	10294447	21	32	59	76	95				45	1.15***		60	52				
Energy optimized	TL54.80K.3	10294447	36	52	90	116	146				57	1.28***		76	65				
	TL54.70K.3	10294447	57	82	131	155	193				70	1.28***		93	80				
	TL54.80K.3	10294447	46	63	106	133	165				83	1.30***		110	95				
	TL54.70K.3	10294447	55	75	125	157	195				98	1.32***		130	112				
Energy optimized	TL54.70K.3	10294447	65	88	146	184	227				115	1.35***		152	131				
	TL54.80K.3	10294454	60	83	144	182	227				111	1.35	140	127					
	TL54.80K.3	10294454	74	100	169	215	269				131	1.36	174	150					
	TL54.80K.3	10294454	84	112	189	240	300				147	1.36	195	168					
Energy optimized	TL54.80K.3	10294454	98	133	223	282	350				174	1.36	231	199					
	TL54.80K.3	10294454	110	147	249	317	397				193	1.34	257	221					
	TL54.80K.2	10294454	52	73	130	167	210				89	1.40***		133	115				
	TL54.80K.2	10294454	62	85	147	187	234				113	1.40***		151	130				
Energy optimized	TL54.80K.2	10294454	75	103	175	217	271				133	1.40***		176	153				
	TL54.80K.2	10294454	86	115	192	242	301				150	1.40***		200	172				