



Nema-Line

Cooling Ranges 1 - 7 kW



Nema-Line.

Good things do come in small packages. From its easily accessible top fill design to the hinged front panel that allows full access to interior for service, the Nema-Line shows the engineering attention to detail that makes these units so user friendly. Manufactured in multiple production facilities worldwide the Nema-Line is truly a global product appealing to OEM customers who are supporting global markets.

Additional advantages include:

- ✓ UL & CE Approvals
- ✓ Non-ferrous coolant circuit
- ✓ Stainless steel brazed plate evaporator
- ✓ Peripheral pump with a wide flow & pressure range
- ✓ Hermetic compressor with R-134a refrigerant

Example Applications:

- ✓ Spindle cooling
- ✓ Welding
- ✓ Induction Heating
- ✓ Light oil applications
- ✓ Laser
- ✓ Food & Packaging



Technical data

Nema-Line		nBoxX 1	nBoxX 2	nBoxX 3	nBoxX 4	nBoxX 6	nBoxX 7
Cooling Capacity (nominal) @ ta + 32°C	W	1.190	1.920	2.676	3.883	5.841	6.768
Cooling Capacity (nominal) @ + 89.6°F	BTU/H	4.056	6.551	9.144	13.268	19.960	23.100
Flow rate	gpm	0.9	1.3	2	2.7	3.8	4.9
Pressure	bar (psig)	2.75 (40)					
Fluid temperature	°C (°F)	35°C (65°F)					
Temperature stability							
Refrigerant		R-134 A					
Ambient temperature range	°C (°F)	8 ... 40°C (45 ... 104°F)					
Connecting voltage		115 V/1 PH/60 Hz or 230 V/1 PH/60 Hz			460 V/3 PH/60 Hz		
Rated Current (approx.)	Amps	18/9	21/9	22/11.5	9	11	13
Minimum Circuit Ampacity	Amps	20.7/10.4	24.2/10.4	25.5/13.7	11.25	13.75	16.25
Fuse Size	Amps	25/15	30/15	35/20	15	20	25
Tank volume	l (gal)	10 (2.7)			26 (6.8)		
Air flow (Condenser fans)	CFM	1.100			1.750		
Sound level at distance of 5 m	dB (A)						
Fluid inlet/outlet connections	FNPT	1/2"			3/4"		
Width	mm (In)	600 (23.6)					
Height	mm (In)	625 (51.12)			982 (38.7)		
Depth	mm (In)	480 (31.5)			671 (26.4)		
Net weight (approx.)	lbs	195			290		
Net weight (approx.)	kg	89			132		

Water	nBoxX 1 A30	nBoxX 1 A32	nBoxX 1 A35
12	645	340	277
14	837	688	640
16	1029	900	875
18	1161	1066	1009
20	1292	1183	1143

Water	nBoxX 4 A30	nBoxX 4 A32	nBoxX 4 A35
12	3221	3102	2965
14	3657	3511	3370
16	3809	3716	3568
18	3912	3756	3605
20	4147	3981	3822

Water	nBoxX 2 A30	nBoxX 2 A32	nBoxX 2 A35
12	1317	1222	1053
14	1520	1413	1265
16	1722	1609	1476
18	1900	1778	1629
20	2078	1928	1728

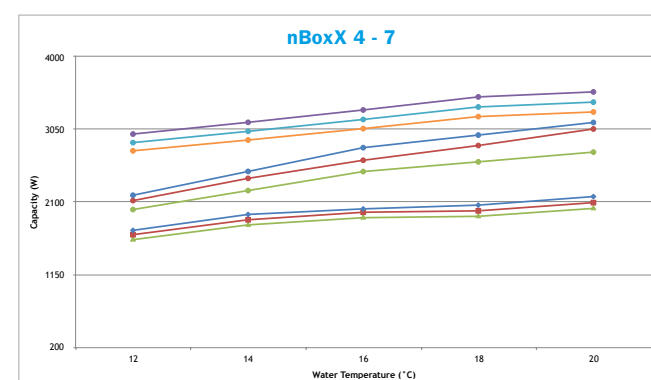
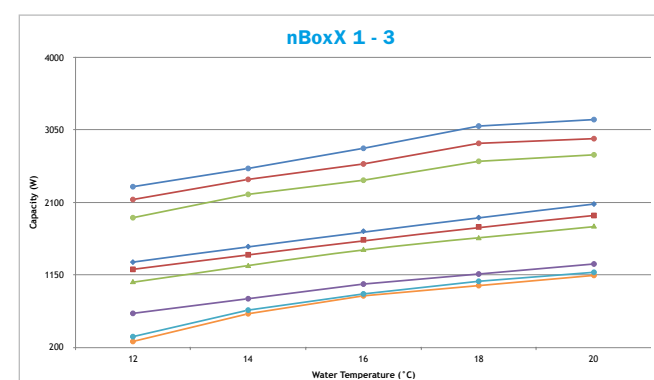
Water	nBoxX 6 A30	nBoxX 6 A32	nBoxX 6 A35
12	4183	4036	3791
14	4835	4645	4311
16	5487	5142	4832
18	5832	5546	5099
20	6177	5999	5365

Water	nBoxX 3 A30	nBoxX 3 A32	nBoxX 3 A35
12	2305	2137	1899
14	2545	2401	2205
16	2809	2604	2390
18	3100	2874	2638
20	3185	2935	2723

Water	nBoxX 7 A30	nBoxX 7 A32	nBoxX 7 A35
12	5860	5625	5400
14	6181	5934	5697
16	6520	6260	6009
18	6878	6603	6339
20	7016	6735	6466

* A30, A32 and A35 refer to the ambient temperature.

nBoxX Capacity Curves



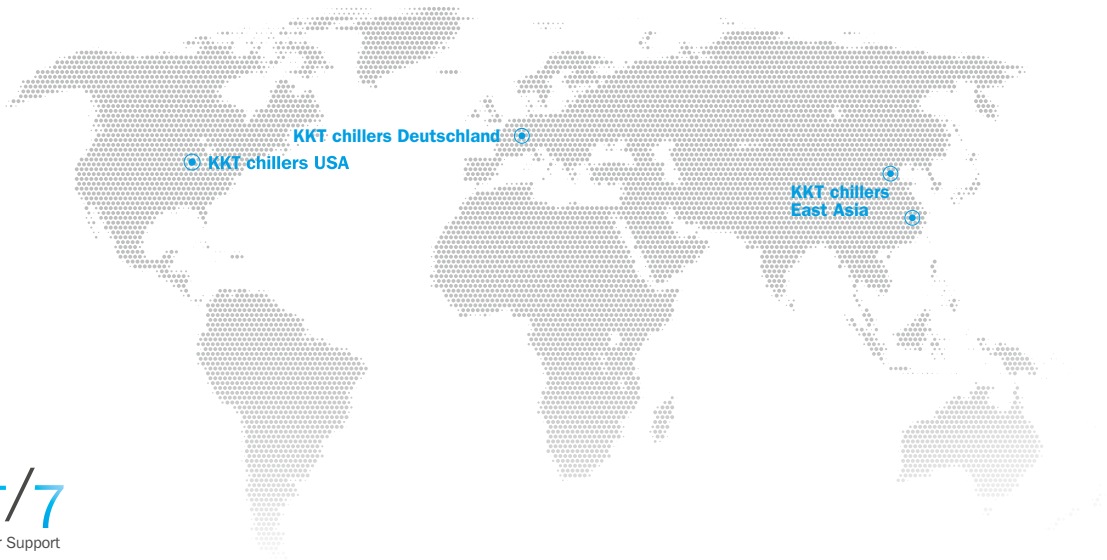
- ● ● nBoxX 1
- ◆ ◆ ◆ nBoxX 2
- ● ● nBoxX 3

- ◆ ◆ ◆ nBoxX 4
- ● ● nBoxX 6
- ● ● nBoxX 7





For frequently updated contact information of the individual service locations, please see www.kkt-chillers.com/en/service/service-locations/



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