

Model

Designation	NLE8.0CNT	220-230V/50Hz 1~ 208-230V/60Hz 1~	Sales code:	105H6073
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Compressor design

Oil type	Polyolester	Refrigerant(s)	R290
Oil viscosity	32cST	Displacement	7,96cm ³ / 0,49cu.in
Oil quantity	268cm ³ / 9,1fl.oz	Compressors on pallet	80
Refr. charge - tech. limit	400g / 14,1oz		
Free gas volume comp.	2360cm ³ / 79,8fl.oz		
Weight	11,1kg / 24,5lbs		
Motor protection	1# internal		
Winding resistance main	7,68Ω (at 25°C)		
Winding resistance aux	13,88Ω (at 25°C)		
Max. winding temp.	125°C / 257°F		
Max. discharge temp.	120°C / 248°F		



General - Configurations with NLE8.0CNT

	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Motorconfiguration	CSIR	RSCR	RSIR	CSIR	RSCR
Power supply (nominal)	208-230V/60Hz	208-230V/60Hz	208-230V/60Hz	220-230V/50Hz	220-230V/50Hz
Number of phases	1	1	1	1	1
Voltage range	187-253V	187-253V	187-253V	187-242V	187-242V
Approvals	UL, CCC	UL, CCC	UL, CCC	UL, CCC	UL, CCC
Starting torque	HST	LST	LST	HST	LST
Note	- / -				

Applications with NLE8.0CNT

	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Refrigerant	R290	R290	R290	R290	R290
Application	LBP+MBP	LBP+MBP	LBP+MBP	LBP+MBP	LBP+MBP
System cooling	fan 3m/s	fan 3m/s	fan 3m/s	fan 3m/s	fan 3m/s
Hot gas defrost	OK	OK	OK	OK	OK
Long interval pull down	OK	OK	OK	OK	OK

Electrical data - Configurations with NLE8.0CNT

	Conf. 1	Conf. 2	Conf. 3	Conf. 4	Conf. 5
Starting device type	relay	PTC	PTC	relay	PTC
Run capacitor	-/-	4μF	-/-	-/-	4μF
Start capacitor	60μF	-/-	-/-	60μF	-/-
LRA (locked rotor amps / 4s)	12A	11,8A	11,8A	12,36A	12,4A
RLA (rated load amps / 1s)	2,2A	1,8A	2,2A	2,5A	2,1A
Cut in current	12A	16,4A	16,4A	12,36A	17,1A

Model

Designation

NLE8.0CNT

220-230V/50Hz 1~ 208-230V/60Hz 1~

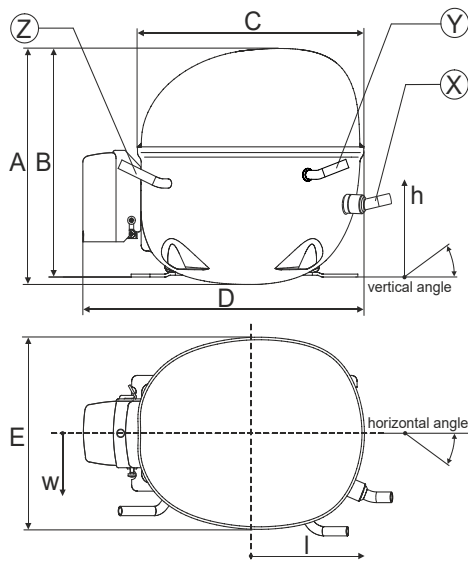
Sales code:

105H6073

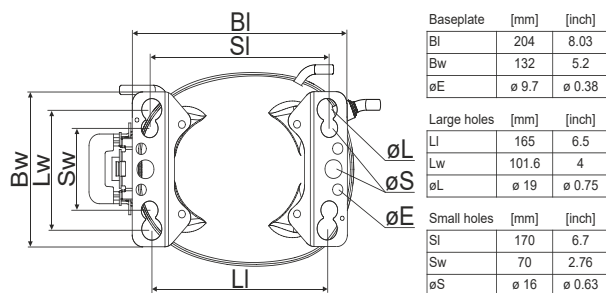
Compressor dimensions

Housing	A Height	203mm / 7,99in
	B Height	197mm / 7,76in
	C Length shell	205mm / 8,07in
	D Length w. cover	254mm / 10in
	E Width	166mm / 6,54in

Connectors		Suction	Discharge	Process
		X	Y	Z
Diameter	[mm]	øi 8,11-8,29	øi 6,41-6,59	øi 6,41-6,59
	(i:inside, o:outside) [in]	øi 0,32-0,33	øi 0,25-0,26	øi 0,25-0,26
Material		copper	copper	copper
Horizontal angle	±2°	0°	0°	0°
Vertical angle	±2°	15°	21°	155°
Position l/h/w	[mm]	132/69/57	94/102/81	-109/94/72
	[in]	5,2/2,7/2,2	3,7/4/3,2	-4,3/3,7/2,8
Straight tube l.	[mm]	12	12	12
	[in]	0,5	0,5	0,5



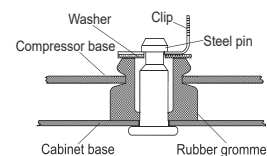
Compressor fixation



Bolt joint



Snap-on



Mounting accessories

Mounting accessories	one comp.	multi pack
Bolt joint M6 ø16mm	118-1917	118-1918
Bolt joint ø1/4" ø16mm	118-1946	
Bolt joint ø1/4" ø19mm	118-1949	
Snap-on ø7,3 ø16mm	118-1947	118-1919

Application notes

LRA value on compressor label and datasheet may differ due to different test conditions for UL approval.

Provision for PE Grounding is located at the PE Stamp on the compressor

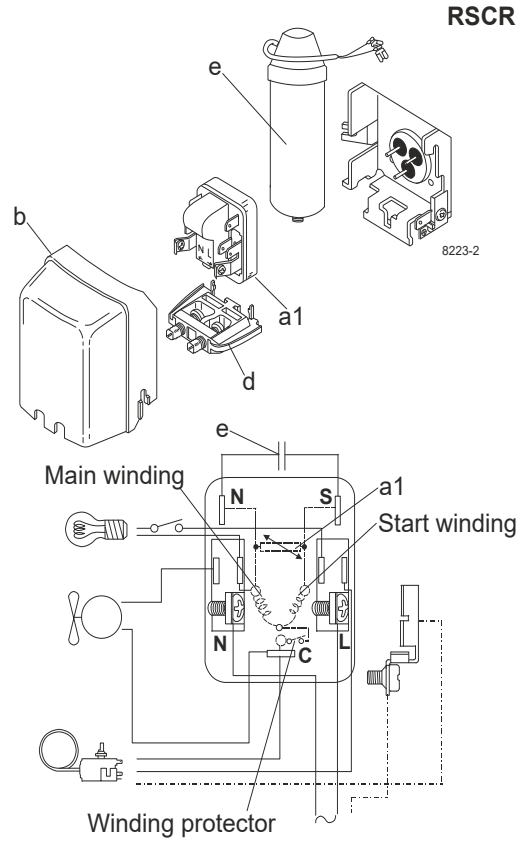
Model

Designation	NLE8.0CNT	208-230V/60Hz	Conf. 1	Sales code:	105H6073
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Configuration

Motorconfiguration	CSIR	
Power supply (nominal)	208-230V/60Hz 1~	
Refrigerant	R290	
Application	LBP+MBP	
Voltage range	187-253V	
Starting torque	HST	
Approvals	UL	SA3693
	CCC	

Electrical accessories / wiring diagram



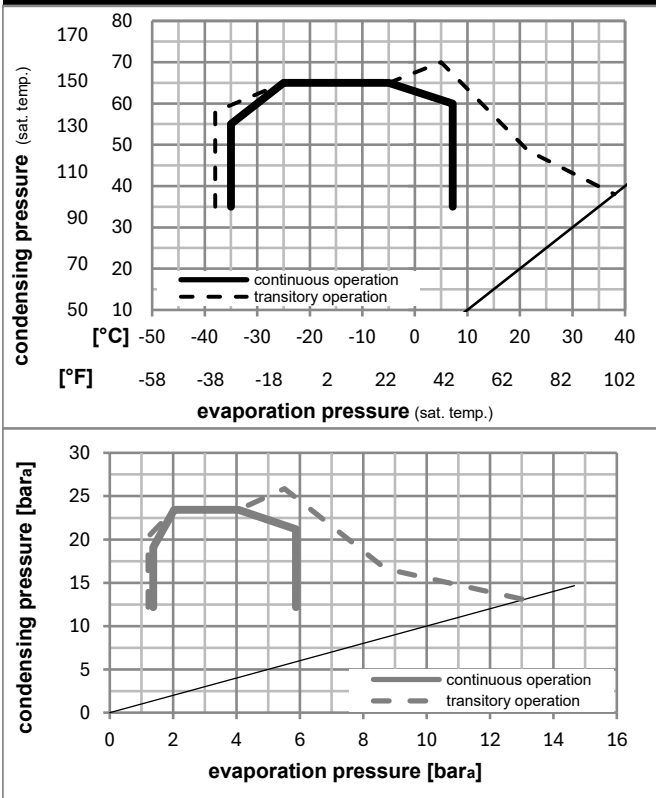
Ambient/ machine room temperatures minimum /maximum

Ambient temperature range: 10 - 43°C / 50 - 110°F

Machine room temperature range: 10 - 48°C / 50 - 119°F

Compressor cooling: fan 3m/s

Operation pressure range



Components

a2	relay	117U7003
c	start capacitor (60µF)	117U5014
b	plastic cover	103N2011
d	cord relief	103N1010

Alternative components

b	plastic cover	103N2010
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Model

Designation **NLE8.0CNT** **208-230V/60Hz** Conf. 1 Sales code: **105H6073**

Optimization + standard conditions

R290, 220V/60Hz, CSIR, fan 3m/s, UL, CCC

	Evaporating pressure (saturation temperature)				Cooling capacity			COP	EER	P1	Power consumption		ASHRAE LBP	
	pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]				I	m		
	[°C]	[°F]	[°C]	[°F]				[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]	
	-23	54	32	32	440,3	1504	379,0	1,52	5,18	1,30	290,4	1,75	4,46	
	-10	130	90	90										
	-25	55	32	55	326,2	1114	280,7	1,17	4,01	1,01	277,9	1,72	4,06	cecomaf LBP
	-13	131	90	131										
	-35	40	20	40	244,3	834	210,2	1,20	4,10	1,03	203,3	1,53	2,79	EN12900 LBP
	-31	104	68	104										
	-23	49	4,4	49	364,8	1246	314,0	1,28	4,38	1,10	284,4	1,73	5,05	ARI540 LBP
	-10	120	40	120										
	-23	41	32	32	489,0	1670	420,8	1,85	6,33	1,59	263,9	1,68	4,95	AHAM LBP
	-10	105	90	90										
	-35	45	32	45	228,7	781	196,8	1,10	3,77	0,95	207,4	1,54	2,56	opt
	-31	113	90	113										

Performance tables

R290, 220V/60Hz, CSIR, fan 3m/s, UL, CCC

	pe		Cooling capacity			COP	EER		P1	I	m
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]		[Btu/Wh]	[kcal/Wh]			
[°C / °F]	-35	-31	228,7	781	196,8	1,10	3,77	0,95	207,4	1,54	2,56
cond. pressure	-23	-10	428,2	1462	368,5	1,55	5,31	1,34	275,4	1,71	4,84
pc= 45/113	-15	5	613,6	2096	528,1	1,93	6,58	1,66	318,5	1,84	6,98
return gas temp.	-9	15	763,0	2606	656,6	2,22	7,58	1,91	343,7	1,92	8,73
RGT= 32/90	-4	25	936,6	3199	806,1	2,56	8,76	2,21	365,3	2,00	10,80
liquid temp	0	32	1074,2	3669	924,5	2,84	9,70	2,45	378,0	2,05	12,46
Tliq= 45/113	7,2	45	1368,9	4675	1178,1	3,46	11,81	2,98	395,7	2,13	16,08
[°C / °F]	-35	-31	171,3	585	147,4	0,86	2,94	0,74	198,9	1,52	2,12
cond. pressure	-23	-10	355,5	1214	306,0	1,22	4,18	1,05	290,4	1,75	4,43
pc= 55/131	-15	5	522,0	1783	449,2	1,50	5,11	1,29	348,6	1,93	6,56
return gas temp	-9	15	655,0	2237	563,7	1,71	5,84	1,47	383,0	2,05	8,29
RGT= 32/90	-4	25	809,3	2764	696,5	1,96	6,69	1,69	413,3	2,16	10,33
liquid temp	0	32	931,6	3182	801,8	2,16	7,37	1,86	431,7	2,23	11,97
Tliq= 55/131	7,2	45	1194,1	4078	1027,7	2,60	8,88	2,24	459,2	2,35	15,56

Model

Designation **NLE8.0CNT** **208-230V/60Hz** Conf. 2 Sales code: **105H6073**

Configuration

Electrical accessories / wiring diagram

Motorconfiguration RSCR
 Power supply (nominal) 208-230V/60Hz 1~
 Refrigerant R290
 Application LBP+MBP
 Voltage range 187-253V
 Starting torque LST
 Approvals UL SA3693
 CCC

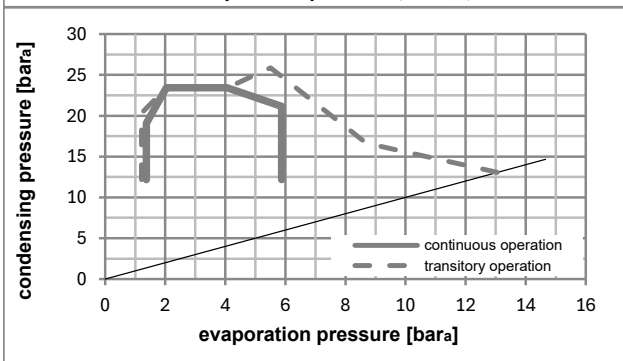
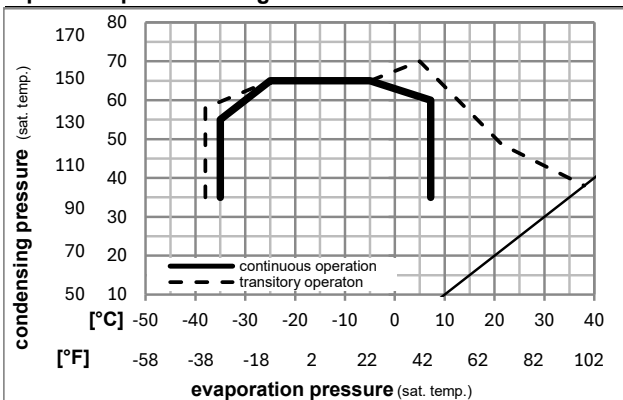
Ambient/ machine room temperatures minimum /maximum

Ambient temperature range: 10 - 43°C / 50 - 110°F

Machine room temperature range: 10 - 48°C / 50 - 119°F

Compressor cooling: fan 3m/s

Operation pressure range



Components

a1	e-PTC starter (220V, 25Ohm, 4.8mm)	103N0050
e	run capacitor (4µF, 4.8mm)	117-7119
b	plastic cover	103N2011
d	cord relief	103N1010
	bracket for run capacitor	117-0300
	screw M4x8mm	117-0301

Model

Designation **NLE8.0CNT** **208-230V/60Hz** Conf. 2 Sales code: **105H6073**

Optimization + standard conditions

R290, 220V/60Hz, RSCR, fan 3m/s, UL, CCC

		Evaporating pressure (saturation temperature)				Cooling capacity			COP	EER	Power consumption			
		Condensing pressure (saturation temperature)		Return gas temp.	Liquid temp.	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	P1	I	Ref. mass flow
	pe	pc	RGT	Tliq								[W]	[A]	[kg/h]
[°C]	-23	54	32	32	441,5	1508	380,0	1,63	5,57	1,40	270,9	1,33	4,47	ASHRAE LBP
[°F]	-10	130	90	90										
[°C]	-25	55	32	55	327,0	1117	281,5	1,26	4,31	1,09	259,3	1,28	4,07	cecomaf LBP
[°F]	-13	131	90	131										
[°C]	-35	40	20	40	244,7	836	210,6	1,29	4,41	1,11	189,4	1,00	2,80	EN12900 LBP
[°F]	-31	104	68	104										
[°C]	-23	49	4,4	49	365,8	1249	314,8	1,38	4,71	1,19	265,3	1,31	5,07	ARI540 LBP
[°F]	-10	120	40	120										
[°C]	-23	41	32	32	490,0	1674	421,7	1,99	6,79	1,71	246,4	1,21	4,96	AHAM LBP
[°F]	-10	105	90	90										
[°C]	-35	45	32	45	229,1	783	197,2	1,19	4,05	1,02	193,2	1,02	2,57	opt
[°F]	-31	113	90	113										

Performance tables

R290, 220V/60Hz, RSCR, fan 3m/s, UL, CCC

	pe		Cooling capacity			COP	EER	P1	I	m	
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]
[°C / °F]	-35	-31	229,1	783	197,2	1,19	4,05	1,02	193,2	1,02	2,57
cond. pressure	-23	-10	429,2	1466	369,4	1,67	5,70	1,44	257,0	1,27	4,85
pc= 45/113	-15	5	615,5	2102	529,7	2,07	7,08	1,78	297,0	1,42	7,00
return gas temp.	-9	15	765,7	2615	658,9	2,39	8,17	2,06	320,2	1,50	8,77
RGT= 32/90	-4	25	940,2	3211	809,1	2,76	9,44	2,38	340,1	1,57	10,84
liquid temp	0	32	1078,5	3683	928,2	3,07	10,47	2,64	351,7	1,62	12,51
Tliq= 45/113	7,2	45	1374,7	4695	1183,1	3,74	12,76	3,22	367,9	1,67	16,15
[°C / °F]	-35	-31	171,8	587	147,8	0,93	3,16	0,80	185,7	0,97	2,12
cond. pressure	-23	-10	356,5	1217	306,8	1,32	4,49	1,13	270,8	1,33	4,44
pc= 55/131	-15	5	523,8	1789	450,8	1,61	5,51	1,39	324,5	1,55	6,59
return gas temp	-9	15	657,7	2246	566,1	1,85	6,31	1,59	356,1	1,68	8,33
RGT= 32/90	-4	25	813,1	2777	699,8	2,12	7,24	1,82	383,8	1,79	10,38
liquid temp	0	32	936,3	3197	805,8	2,34	7,98	2,01	400,5	1,86	12,03
Tliq= 55/131	7,2	45	1200,5	4100	1033,1	2,82	9,64	2,43	425,4	1,95	15,64

Model

Designation **NLE8.0CNT** **208-230V/60Hz** Conf. 3 Sales code: **105H6073**

Configuration

Electrical accessories / wiring diagram

Motorconfiguration RSIR
 Power supply (nominal) 208-230V/60Hz 1~
 Refrigerant R290
 Application LBP+MBP
 Voltage range 187-253V
 Starting torque LST
 Approvals UL SA3693
 CCC

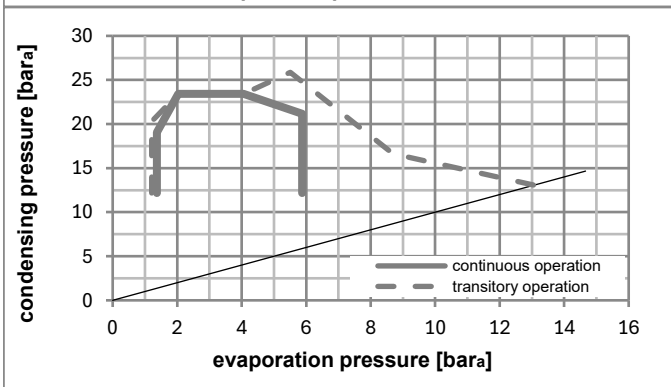
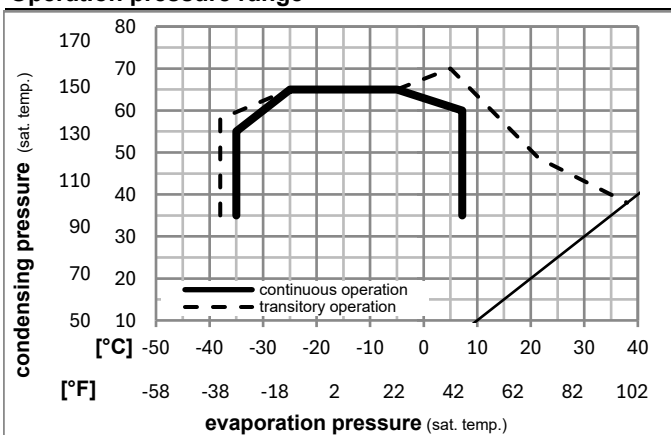
Ambient/ machine room temperatures minimum /maximum

Ambient temperature range: 10 - 43°C / 50 - 110°F

Machine room temperature range: 10 - 48°C / 50 - 119°F

Compressor cooling: fan 3m/s

Operation pressure range



Components

- | | | |
|----|------------------------------------|----------|
| a1 | e-PTC starter (220V, 250hm, 4.8mm) | 103N0050 |
| b | plastic cover | 103N2011 |
| d | cord relief | 103N1010 |

Model

Designation **NLE8.0CNT** **208-230V/60Hz** Conf. 3 Sales code: **105H6073**

Optimization + standard conditions

R290, 220V/60Hz, RSIR, fan 3m/s, UL, CCC

		Evaporating pressure (saturation temperature)				Condensing pressure (saturation temperature)			Return gas temp.			Liquid temp.		Cooling capacity			COP	EER	Power consumption			
		pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	P1	I	m	[W]	[A]	[kg/h]					
[°C]	[°F]	[°C]	[°F]	[°C]	[°C]																	
-23	-10	54	130	32	32	440,3	1504	379,0	1,52	5,18	1,30	290,4	1,75	4,46							ASHRAE LBP	
-25	-13	55	131	32	55	326,2	1114	280,7	1,17	4,01	1,01	277,9	1,72	4,06							cecomaf LBP	
-35	-31	40	104	20	40	244,3	834	210,2	1,20	4,10	1,03	203,3	1,53	2,79							EN12900 LBP	
-23	-10	49	120	4,4	49	364,8	1246	314,0	1,28	4,38	1,10	284,4	1,73	5,05							ARI540 LBP	
-23	-10	41	105	32	32	489,0	1670	420,8	1,85	6,33	1,59	263,9	1,68	4,95							AHAM LBP	
-35	-31	45	113	32	45	228,7	781	196,8	1,10	3,77	0,95	207,4	1,54	2,56							opt	

Performance tables

R290, 220V/60Hz, RSIR, fan 3m/s, UL, CCC

	pe		Cooling capacity			COP	EER	P1	I	m	
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]				[kcal/Wh]
[°C / °F]	-35	-31	228,7	781	196,8	1,10	3,77	0,95	207,4	1,54	2,56
cond. pressure	-23	-10	428,2	1462	368,5	1,55	5,31	1,34	275,4	1,71	4,84
pc= 45/113	-15	5	613,6	2096	528,1	1,93	6,58	1,66	318,5	1,84	6,98
return gas temp.	-9	15	763,0	2606	656,6	2,22	7,58	1,91	343,7	1,92	8,73
RGT= 32/90	-4	25	936,6	3199	806,1	2,56	8,76	2,21	365,3	2,00	10,80
liquid temp	0	32	1074,2	3669	924,5	2,84	9,70	2,45	378,0	2,05	12,46
Tliq= 45/113	7,2	45	1368,9	4675	1178,1	3,46	11,81	2,98	395,7	2,13	16,08
[°C / °F]	-35	-31	171,3	585	147,4	0,86	2,94	0,74	198,9	1,52	2,12
cond. pressure	-23	-10	355,5	1214	306,0	1,22	4,18	1,05	290,4	1,75	4,43
pc= 55/131	-15	5	522,0	1783	449,2	1,50	5,11	1,29	348,6	1,93	6,56
return gas temp	-9	15	655,0	2237	563,7	1,71	5,84	1,47	383,0	2,05	8,29
RGT= 32/90	-4	25	809,3	2764	696,5	1,96	6,69	1,69	413,3	2,16	10,33
liquid temp	0	32	931,6	3182	801,8	2,16	7,37	1,86	431,7	2,23	11,97
Tliq= 55/131	7,2	45	1194,1	4078	1027,7	2,60	8,88	2,24	459,2	2,35	15,56

Model

Designation **NLE8.0CNT** **220-230V/50Hz** Conf. 4 Sales code: **105H6073**

Configuration

Electrical accessories / wiring diagram

Motorconfiguration CSIR
 Power supply (nominal) 220-230V/50Hz 1~
 Refrigerant R290
 Application LBP+MBP
 Voltage range 187-242V
 Starting torque HST
 Approvals UL SA3693
 CCC

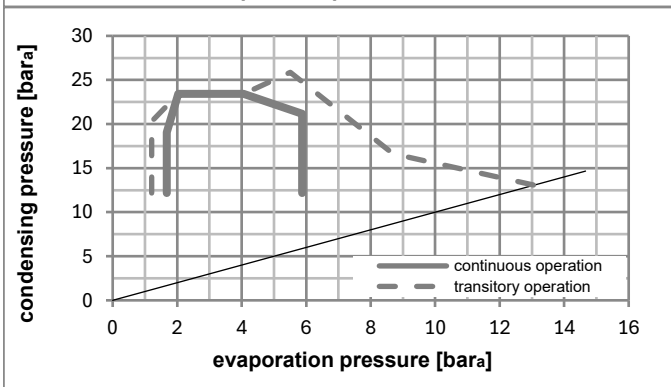
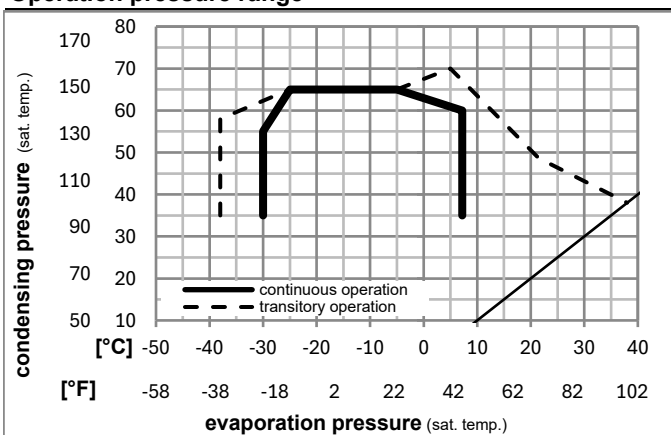
Ambient/ machine room temperatures minimum /maximum

Ambient temperature range: 10 - 43°C / 50 - 110°F

Machine room temperature range: 10 - 48°C / 50 - 119°F

Compressor cooling: fan 3m/s

Operation pressure range



Components

a2	relay	117U7003
c	start capacitor (60µF)	117U5014
b	plastic cover	103N2011
d	cord relief	103N1010

Alternative components

b	plastic cover	103N2010
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Model

Designation **NLE8.0CNT** **220-230V/50Hz** Conf. 4 Sales code: **105H6073**

Optimization + standard conditions

R290, 220V/50Hz, CSIR, fan 3m/s, UL, CCC

		Evaporating pressure (saturation temperature)				Condensing pressure (saturation temperature)						Power consumption			
		Return gas temp.		Liquid temp.		Cooling capacity		COP	EER		P1	Current consumption		Ref. mass flow	
		pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	I	m	
[°C]	[°F]	[°C]	[°F]	[°C]	[°C]							[A]	[kg/h]		
-23	-10	54	130	32	32	376,3	1285	323,8	1,45	4,94	1,25	260,0	1,99	3,81	ASHRAE LBP
-25	-13	55	131	32	55	278,7	952	239,8	1,11	3,80	0,96	250,2	1,96	3,47	cecomaf LBP
-35	-31	40	104	20	40	208,5	712	179,5	1,09	3,74	0,94	190,5	1,81	2,38	EN12900 LBP
-23	-10	49	120	4,4	49	311,7	1064	268,2	1,22	4,17	1,05	255,2	1,96	4,32	ARI540 LBP
-23	-10	41	105	32	32	417,6	1426	359,4	1,75	5,96	1,50	239,1	1,90	4,23	AHAM LBP
-35	-31	45	113	32	45	195,3	667	168,1	1,01	3,44	0,87	193,8	1,83	2,19	opt

Performance tables

R290, 220V/50Hz, CSIR, fan 3m/s, UL, CCC

	pe		Cooling capacity			COP	EER		P1	I	m
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]
[°C / °F]	-30	-22	262,2	896	225,7	1,20	4,11	1,04	217,9	1,87	2,95
cond. pressure	-23	-10	365,8	1249	314,8	1,47	5,03	1,27	248,1	1,93	4,13
pc= 45/113	-15	5	524,5	1791	451,4	1,86	6,35	1,60	282,2	2,01	5,97
return gas temp.	-9	15	652,5	2228	561,5	2,16	7,38	1,86	302,0	2,06	7,47
RGT= 32/90	-4	25	801,2	2736	689,5	2,51	8,58	2,16	318,9	2,10	9,24
liquid temp	0	32	919,1	3139	791,0	2,80	9,55	2,41	328,8	2,13	10,66
Tliq= 45/113	7,2	45	1171,5	4001	1008,2	3,42	11,68	2,94	342,6	2,17	13,76
[°C / °F]	-30	-22	209,1	714	179,9	0,95	3,25	0,82	219,5	1,90	2,59
cond. pressure	-23	-10	303,8	1037	261,4	1,17	3,99	1,01	260,0	1,99	3,79
pc= 55/131	-15	5	446,4	1525	384,2	1,46	4,99	1,26	305,8	2,10	5,61
return gas temp	-9	15	560,5	1914	482,4	1,68	5,75	1,45	332,7	2,17	7,10
RGT= 32/90	-4	25	693,0	2367	596,4	1,94	6,64	1,67	356,3	2,24	8,84
liquid temp	0	32	797,9	2725	686,7	2,15	7,35	1,85	370,7	2,28	10,25
Tliq= 55/131	7,2	45	1023,2	3494	880,5	2,61	8,92	2,25	391,9	2,35	13,33

Model

Designation	NLE8.0CNT	220-230V/50Hz	Conf. 5	Sales code:	105H6073
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Configuration

Electrical accessories / wiring diagram

Motorconfiguration	RSCR	
Power supply (nominal)	220-230V/50Hz 1~	
Refrigerant	R290	
Application	LBP+MBP	
Voltage range	187-242V	
Starting torque	LST	
Approvals	UL	SA3693
	CCC	

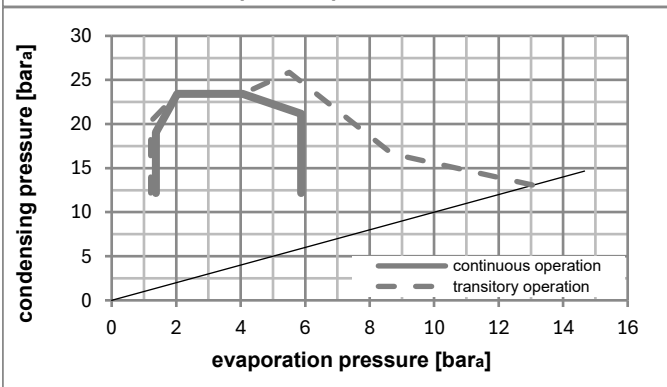
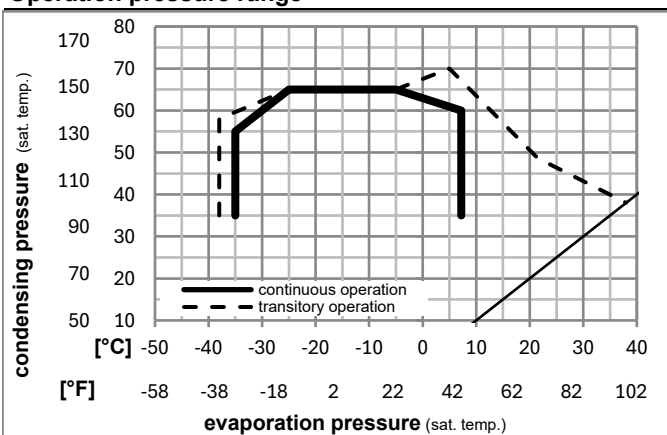
Ambient/ machine room temperatures minimum /maximum

Ambient temperature range: 10 - 43°C / 50 - 110°F

Machine room temperature range: 10 - 48°C / 50 - 119°F

Compressor cooling: fan 3m/s

Operation pressure range



Com

a1	e-PTC starter (220V, 25Ohm, 4.8mm)	103N0050
e	run capacitor (4μF, 4.8mm)	117-7119
b	plastic cover	103N2011
d	cord relief	103N1010
	bracket for run capacitor	117-0300
	screw M4x8mm	117-0301

Model

Designation **NLE8.0CNT** **220-230V/50Hz** Conf. 5 Sales code: **105H6073**

Optimization + standard conditions

R290, 220V/50Hz, RSCR, fan 3m/s, UL, CCC

		Evaporating pressure (saturation temperature)				Condensing pressure (saturation temperature)			Return gas temp.		Liquid temp.		Cooling capacity			COP	EER	Power consumption		
		pe	pc	RGT	Tliq	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	P1	I	m						
[°C]	[°F]	[°C]	[°F]	[°C]	[°C]							[W]	[A]	[kg/h]						
-23	-10	54	130	32	32	376,9	1287	324,3	1,55	5,30	1,34	242,7	1,56	3,82						ASHRAE LBP
-25	-13	55	131	32	55	279,1	953	240,2	1,20	4,08	1,03	233,4	1,53	3,48						cecomaf LBP
-35	-31	40	104	20	40	208,7	713	179,6	1,18	4,02	1,01	177,2	1,37	2,38						EN12900 LBP
-23	-10	49	120	4,4	49	312,2	1066	268,7	1,31	4,47	1,13	238,3	1,53	4,32						ARI540 LBP
-23	-10	41	105	32	32	418,1	1428	359,9	1,87	6,40	1,61	223,1	1,46	4,23						AHAM LBP
-35	-31	45	113	32	45	195,5	668	168,3	1,08	3,70	0,93	180,3	1,39	2,19						opt

Performance tables

R290, 220V/50Hz, RSCR, fan 3m/s, UL, CCC

	pe		Cooling capacity			COP	EER	P1			I	m
	[°C]	[°F]	[W]	[Btu/h]	[kcal/h]	[W/W]	[Btu/Wh]	[kcal/Wh]	[W]	[A]	[kg/h]	
[°C / °F]	-35	-31	195,5	668	168,3	1,08	3,70	0,93	180,3	1,39	2,19	
cond. pressure	-23	-10	366,3	1251	315,2	1,58	5,40	1,36	231,7	1,50	4,14	
pc= 45/113	-15	5	525,4	1794	452,2	1,99	6,80	1,71	264,0	1,58	5,98	
return gas temp.	-9	15	653,8	2233	562,6	2,31	7,90	1,99	282,7	1,64	7,48	
RGT= 32/90	-4	25	802,9	2742	691,0	2,69	9,18	2,31	298,8	1,70	9,26	
liquid temp	0	32	921,2	3146	792,8	2,99	10,21	2,57	308,2	1,73	10,68	
Tliq= 45/113	7,2	45	1174,3	4010	1010,6	3,66	12,48	3,15	321,2	1,77	13,80	
[°C / °F]	-35	-31	146,6	501	126,2	0,84	2,88	0,72	174,2	1,38	1,81	
cond. pressure	-23	-10	304,3	1039	261,8	1,25	4,28	1,08	242,7	1,55	3,79	
pc= 55/131	-15	5	447,4	1528	385,0	1,56	5,34	1,35	285,9	1,69	5,62	
return gas temp	-9	15	561,9	1919	483,6	1,81	6,16	1,55	311,3	1,78	7,11	
RGT= 32/90	-4	25	694,8	2373	597,9	2,08	7,11	1,79	333,5	1,85	8,87	
liquid temp	0	32	800,2	2733	688,6	2,31	7,88	1,98	347,0	1,90	10,28	
Tliq= 55/131	7,2	45	1026,2	3505	883,2	2,80	9,55	2,41	366,9	1,97	13,37	