ENGINEERING
TOMORROW

Catalog

Optyma™ condensing units

Easy

installation, easy service and reliable performance

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Optyma™ condensing unit nomenclature / model no.

	Application	Design	Refrigerant	Condenser size	HP rating	Certification	Version	Electrical code
OP-	H	N	X	M	0300	U	WG000	Q

Application:
L: Low
H: High or Medium / High
M: Medium or Low/Medium
U: Universal Low / Medium / High

Design:
C: Air cooled condenser, Single fan, Recip
J: Air cooled condenser, Slim Design, Recip
G: Air cooled condenser, Twin fan, Recip
N: Air cooled condenser, Slim Design, Scroll
R: Air cooled condenser, Twin fan, Scroll

Refrigerant:
G: R134a
H: R404A/R507/R452A
M: R22 Replacement
N: R290
Z: R404A/R507A/R134a*/R448A/R449A/R452A
X: R448A/R449A/R404A/R507A/R134a/R452A
Y: R448A/R449A/R404A/R507A/R452A

Condenser size:
C: Fin and Tube condenser size 110F ambient
M: Microchannel Condenser size 115F ambient

HP rating:
HP rating in hundreths of HP,
i.e.: 0033=1/3 HP, 1000 = 10 HP

Certification:
R: UL Recognized
U: UL Listed

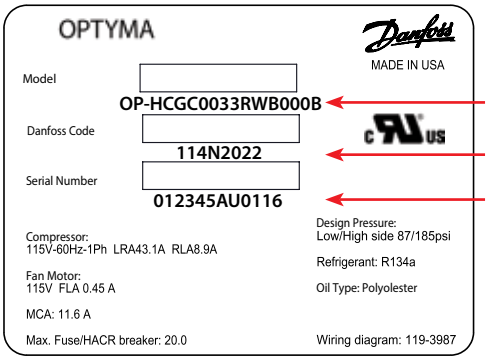
Electrical code:
B: Compressor & fan(s), 115V, 1ph, 60 Hz
N: Compressor & fan(s), 230V, 1ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz
Fan(s) 230V, 1ph, 60 Hz
R: Compressor 460V, 3ph, 60 Hz
Fan(s) 460V, 1ph, 60 Hz

Version:
DF: Plastic baseplate
WA: Power cord
WB: Power cord, Receiver
WC: Electrical box, Receiver
WD: Electrical box, Receiver, Low pressure control
WE: Electrical box, Receiver, Dual pressure control, Fan cycling control, larger than 3HP dual fan units use KPU fan cycling control
WF: WE + Filter drier, Sight glass, Solenoid valve with coil
WG: BX, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)
WH: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost timer, Outdoor enclosure, Suction Accumulator (LBP)
WJ: Electrical box, Receiver, Dual pressure control, Fan cycling control, Filter drier, Sight glass

* R134a is available in MBP only

Rating Conditions (ARI)

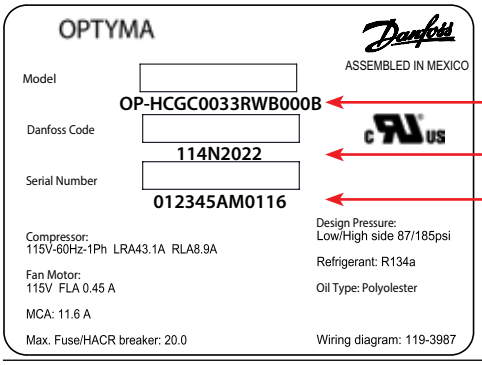
Application	LBP	MBP/HBP
Ambient Temp	90°F	90°F
Return Gas	40°F	65°F
SubCooling	5°F	5°F



OP-HCGC0033RWB000B (Model no.)

114N2022 (Code no.)

Date Code:
XXXXXXX**AU0116**
7 digits = serial #
AU = Assembled in US
01 = Week of Manufacture
16 = Year of Manufacture



OP-HCGC0033RWB000B (Model no.)

114N2022 (Code no.)

Date Code:
XXXXXXX**AM0116**
7 digits = serial #
AM = Assembled in Mexico
01 = Week of Manufacture
16 = Year of Manufacture

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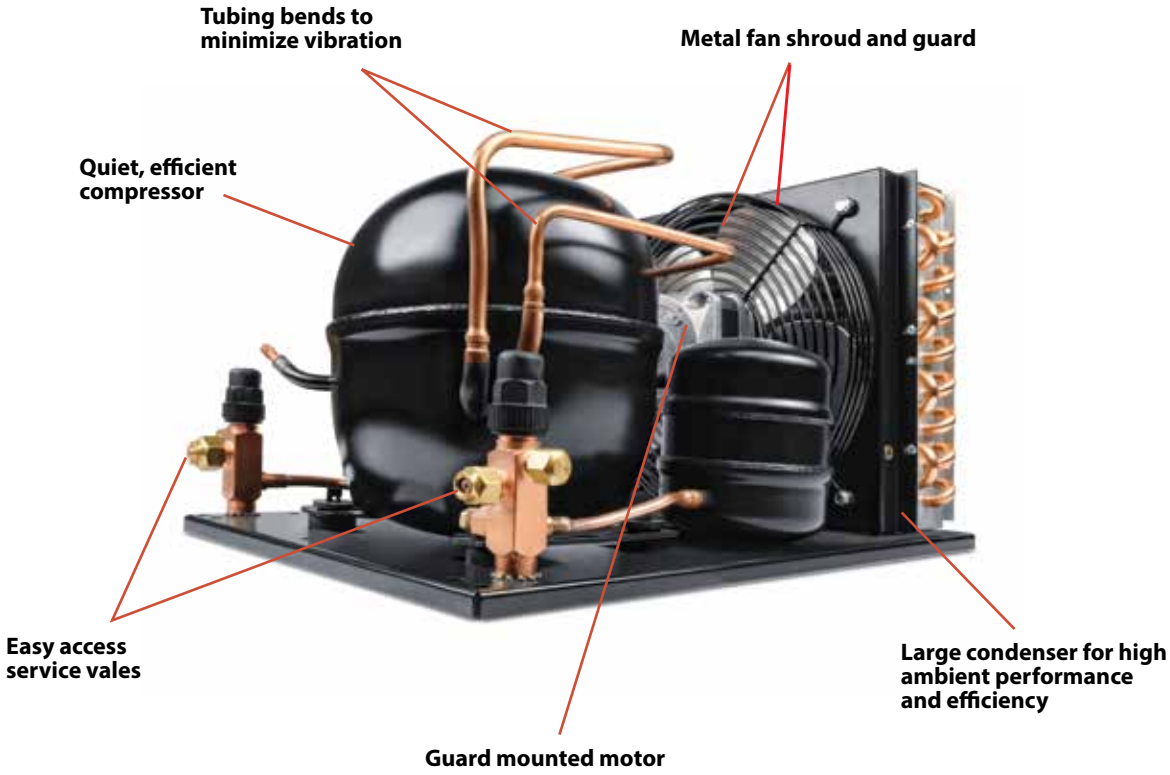
Tubing bends to minimize vibration
Metal fan shroud and guard
Quiet, efficient compressor
Easy access service vales
Large condenser for high ambient performance and efficiency
Guard mounted motor

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature										Power consumption [W] at evap. temp. 20 °F
						°F	0	5	10	15	20	25	30	35	40	45	
Single fan	OP-UCGC0020R	WA	B	114N2017	NF6.1FX.2	90	1050	1200	1350	1500	1700	1850	2050	2250	2450	2700	250
						95	1000	1150	1300	1450	1600	1800	2000	2200	2400	2600	
						100	950	1100	1250	1400	1550	1750	1900	2100	2300	2500	
						110	900	1000	1150	1300	1450	1600	1800	1950	2150	2350	
	OP-UCGC0025R	WB	B	114N2019	NF7.3FX.2	90	1250	1400	1600	1750	1950	2150	2400	2600	2850	3100	350
						95	1200	1350	1550	1700	1900	2100	2300	2500	2750	3000	
						100	1150	1300	1450	1650	1800	2000	2200	2450	2650	2900	
						110	1050	1200	1350	1550	1700	1900	2050	2250	2450	2700	
	OP-HCGC0033R	WB	B	114N2022	NF11FX	90	-	2050	2300	2550	2850	3100	3450	3750	4100	4450	450
						95	-	1950	2200	2450	2750	3000	3300	3650	3950	4300	
						100	-	1900	2100	2350	2600	2900	3200	3500	3800	4150	
						110	-	1750	1950	2200	2450	2700	2950	3250	3550	3850	
	OP-UCGC0050R	WB	B	114N2023	SC18G	90	2350	2700	3050	3450	3800	4250	4700	5150	5650	6150	700
						95	2300	2600	2950	3300	3700	4100	4500	4950	5400	5900	
						100	2200	2500	2800	3200	3550	3950	4350	4750	5200	5650	
						110	2000	2300	2600	2900	3250	3600	4000	4400	4800	5200	
	OP-HCGC0055R	WB	B	114N2025	NT6215Z	90	-	2900	3300	3800	4300	4850	5450	6100	6700	7350	700
						95	-	2800	3200	3650	4150	4650	5250	5850	6450	7050	
						100	-	2650	3050	3500	3950	4500	5050	5600	6150	6750	
						110	-	-	-	3250	3700	4150	4700	-	-	-	
	OP-HCGC0075R	WB	B	114N2027	NJ6220Z	90	-	4350	4850	5550	6250	7150	8050	9100	10100	11200	1000
						95	-	4100	4700	5350	6100	6950	7850	8800	9800	10850	
	OP-HCGC0075U	WC	N	114N2028		100	-	3900	4500	5150	5900	6750	7600	8550	9500	10450	
						110	-	-	-	4850	5600	6400	7250	8100	-	-	
	OP-HCGC0100U	WD	N	114N2029	NJ6226Z	90	-	6800	7450	8200	9050	9950	10950	12000	13050	14200	1200
						95	-	6300	7000	7750	8550	9450	10400	11450	12450	13550	
						100	-	-	6550	7300	8100	8950	9900	10900	11850	12900	
						110	-	-	-	6500	7250	8100	9000	-	-	-	

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
B: Compressor & fan(s) 115V, 1 ph, 60 Hz
N: Compressor & fan(s) 230V, 1 ph, 60 Hz

Version
WA: Power cord
WB: Power cord, Receiver
WC: Electrical box, Receiver
WD: Electrical box, Receiver, Low pressure control

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-UCGC0020R	8	---	2	9.0	11	14	⅜" F	¼" F	32	6.1	POE / 10.8	119-3987
OP-UCGC0025R	8	2.16	2	9.1	13.5	17	⅜" F	¼" F	45	6.4	POE / 10.8	119-3987
OP-HCGC0033R	9	2.16	2	10.3	13.5	17	⅜" F	¼" F	47	11.7	POE / 10.8	119-3987
OP-UCGC0050R	10	2.16	3	11.8	13.5	17	½" F	¼" F	57	13.7	POE / 20.3	119-3983
OP-HCGC0055R	10	4	4	11.9	14	18	⅜" F	¼" F	67	15	POE / 19.6	119-3988
OP-HCGC0075R	12	4	4	13.2	16.9	19	½" F	¼" F	100	16	POE / 30.1	119-3983
OP-HCGC0075U										10.5		119-3985
OP-HCGC0100U	12	4	4	16.1	21.1	20.8	½" F	¼" F	113	11.2	POE / 30.1	119-3990

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature								Power consumption [W] at evap. temp. 25°F	Power consumption [W] at evap. temp. 20°F	AWEF
						°F	15	20	25	30	35	40	45	50			
Single fan	OP-HCZC0150U	WJ	N Q R	114N3601 114N3602 114N3603	MTZ18	90	5500	6305	7192	8163	9216	10350	11560	12840	1220	1167	7.17
						95	5194	5975	6835	7775	8794	9889	11060	12290			
						100	4889	5645	6477	7386	8369	9426	10550	11740			
						105	4585	5315	6118	6994	7942	8960	10040	11190			
						110	4282	4985	5758	6601	7513	8491	9532	10630			
	OP-HCZC0200U	WJ	N Q R	114N3604 114N3605 114N3606	MTZ22	90	7245	8343	9529	10800	12160	13590	15090	16660	1460	1387	7.35
						95	6921	7981	9123	10350	11650	13020	14460	15960			
						100	6592	7611	8708	9881	11130	12440	13820	15250			
						105	6255	7232	8283	9404	10590	11850	13160	14530			
						110	5912	6845	7847	8916	10050	11240	12490	13790			
	OP-HCZC0250U	WJ	N Q R	114N3607 114N3608 114N3609	MTZ28	90	9583	10990	12480	14040	15680	17380	19140	20960	1834	1730	7.35
						95	9147	10520	11960	13470	15060	16700	18400	20140			
						100	8704	10030	11430	12900	14420	16000	17640	19310			
						105	8257	9544	10900	12310	13780	15300	16860	18470			
						110	7804	9049	10350	11710	13130	14580	16080	17610			
	OP-HCZC0275U	WJ	N Q R	114N3610 114N3611 114N3612	MTZ36	90	12470	14150	15930	17820	19800	21880	24030	26270	2400	2253	7.32
						95	11890	13520	15260	17090	19010	21010	23090	25240			
						100	11320	12900	14580	16350	18210	20140	22140	24210			
						105	10740	12280	13910	15620	17400	19260	21190	23170			
						110	10170	11660	13230	14880	16590	18380	20220	22110			
	OP-HCZC0300U	WJ	N Q R	114N3614 114N3615 114N3616	MTZ40	90	14490	16220	18070	20050	22140	24350	26680	29110	2640	2469	7.6 7.6 7.52
						95	13690	15400	17230	19170	21230	23410	25690	28080			
						100	12910	14600	16410	18320	20350	22490	24730	27070			
						105	12160	13830	15610	17500	19500	21600	23800	26090			
						110	11440	13090	14850	16710	18670	20740	22890	25130			
Two fan	OP-HGZC0400U	WJ	N Q R	114N3617 114N3618 114N3619	MTZ50	90	16350	19020	21910	25000	28280	31760	35410	39220	3093	2950	7.13
						95	15700	18300	21100	24090	27260	30610	34130	37800			
						100	15010	17540	20240	23130	26200	29430	32810	36340			
						105	14290	16730	19350	22140	25090	28200	31460	34840			
						110	13530	15900	18430	21120	23960	26940	30060	33310			
	OP-HGZC0500U	WJ	N Q R	114N3621 114N3622 114N3623	MTZ64	90	20950	24290	27860	31650	35630	39800	44130	48600	3778	3574	7.69 7.69 7.56
						95	20080	23320	26780	30440	34290	38310	42470	46770			
						100	19170	22320	25660	29200	32910	36780	40780	44910			
						105	18220	21270	24510	27930	31500	35220	39070	43020			
						110	17240	20200	23330	26620	30060	33630	37320	41110			
	OP-HGZC0700U	WJ	Q R	114N3626 114N3627	MTZ80	90	27750	31880	36300	41010	46000	51260	56750	62480	4690	4429	8.07 7.97
						95	26630	30630	34920	39480	44300	49370	54680	60200			
						100	25500	29380	33530	37930	42590	47480	52590	57900			
						105	24350	28110	32120	36370	40860	45570	50490	55590			
						110	23200	26830	30700	34800	39120	43650	48370	53270			
	OP-HGZC0900U	WJ	Q R	114N3628 114N3629	MTZ100	90	32220	37130	42390	48000	53940	60200	66750	73590	6376	6065	7.33
						95	30500	35270	40360	45790	51530	57560	63880	70460			
						100	28780	33400	38330	43560	49090	54900	60980	67300			
						105	27070	31530	36280	41320	46640	52220	58060	64120			
						110	25360	29660	34230	39070	44180	49530	55110	60910			
	OP-HGZC1000U	WJ	Q R	114N3631 114N3632	MTZ125	90	40340	46370	52830	59690	66930	74540	82480	90720	7203	6815	7.9
						95	38310	44150	50390	57010	63980	71300	78920	86820			
						100	36290	41930	47940	54300	61000	68020	75320	82880			
						105	34280	39710	45480	51580	58000	64700	71680	78890			
						110	32270	37480	43000	48840	54960	61350	68000	74860			
	OP-HGZC1200U	WJ	Q R	114N3633 114N3634	MTZ144	90	52460	59230	66410	73990	81940	90260	98920	107900	9064	8635	7.77
						95	50300	56870	63830	71160	78840	86860	95190	103800			
						100	48100	54470	61200	68270	75670	83390	91400	99680			
						105	45860	52020	58510	65320	72440	79850	87530	95470			
						110	43590	49530	55780	62320	69150	76250	83590	91170			
	OP-HGZC1350U	WJ	Q R	114N3636 114N3637	MTZ160	90	58110	65480	73290	81500	90100	99080	108400	118000	9819	9306	7.8
						95	55650	62820	70390	78350	86670	95340	104300	113600			
						100	53150	60110	67450	75140	83180	91540	100200	109100			
						105	50600	57350	64440	71880	79630	87670	96000	104600			
						110	48010	54540	61390	68550	76010	83750	91730	99950			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
Q: Compressor 208-230V, 3ph, 60 Hz / Fan(s) 230V, 1ph, 60 Hz
R: Compressor 460V, 3ph, 60 Hz / Fan(s) 460V, 1ph, 60 Hz

Version
WJ: Electrical box, Receiver, Dual pressure control, Fan cycling control, Filter drier, Sight glass

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-HCZC0150U	14	7	6a	16.3	20.1	25	½″ S	⅜″ S	130	N: 14 Q: 9 R: 6	POE/29	119-6401 119-6403 119-6406
OP-HCZC0200U	14	7	6a	16.3	20.1	25	½″ S	⅜″ S	130	N: 17 Q: 11 R: 6	POE/29	119-6401 119-6403 119-6406
OP-HCZC0250U	14	7	6a	17.4	27.6	19.7	⅝″ S	⅜″ S	140	N: 24 Q: 16 R: 8	POE/29	119-6401 119-6403 119-6406
OP-HCZC0275U	14	7	6a	17.4	27.6	19.7	⅝″ S	⅜″ S	150	N: 28 Q: 17 R: 9	POE/29	119-6401 119-6403 119-6406
OP-HCZC0300U	18	7	6a	21.4	31.5	24	⅝″ S	⅜″ S	150	N: 40 Q: 23 R: 12	POE/29	119-6401 119-6403 119-6406
OP-HGZC0400U	14	15	8a	21.8	39.4	27.6	⅞″ S	½″ S	210	N: 36 Q: 24 R: 12	POE/63	119-6402 119-6404 119-6405
OP-HGZC0500U	18	18.5	8a	26.6	47.2	31.5	⅞″ S	½″ S	300	N: 52 Q: 32 R: 16	POE/63	119-6402 119-6404 119-6405
OP-HGZC0700U	18	28	8a	26.6	47.2	31.5	1 ⅛″ S	½″ S	300	Q: 40 R: 17	POE/63	119-6404 119-6405
OP-HGZC0900U	22	33	9a	34.4	34.3	59.1	1 ⅛″ S	½″ S	500	Q: 50 R: 26	POE/132	119-6404 119-6405
OP-HGZC1000U	22	33	9a	34.4	34.3	59.1	1 ⅛″ S	½″ S	500	Q: 60 R: 30	POE/132	119-6404 119-6405
OP-HGZC1200U	22	33	9a	34.4	34.3	59.1	1 ⅛″ S	½″ S	510	Q: 69 R: 33	POE/132	119-6404 119-6405
OP-HGZC1350U	22	40	9a	34.4	34.3	59.1	1 ⅛″ S	½″ S	540	Q: 75 R: 38	POE/132	119-6404 119-6405

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature										Power consumption [W] at evap. temp. 20°F
						°F	0	5	10	15	20	25	30	35	40	45	
Single fan	OP-UCHC0020R	WA	B	114N2316	TF4CLX	90	1000	1100	1250	1400	1500	1650	1800	2000	2150	2300	300
						95	950	1050	1200	1300	1450	1600	1750	1900	2050	2200	
						100	900	1000	1100	1250	1350	1500	1650	1800	-	-	
						110	800	900	1000	1150	1250	1400	1500	-	-	-	
	OP-UCHC0025R	WB	B	114N2318	NF5.5CLX	90	1650	1850	2050	2250	2450	2650	2900	3150	3400	3650	450
						95	1600	1750	1950	2150	2350	2550	2800	3000	3250	3500	
						100	1500	1650	1850	2050	2250	2450	2650	2900	3100	3350	
						110	1350	1550	1700	1850	2050	2250	-	-	-	-	
	OP-UCHC0033R	WB	B	114N2321	NF7CLX	90	2050	2250	2500	2750	3000	3250	3550	3850	4100	4450	550
						95	1950	2150	2400	2600	2850	3100	3400	3650	3950	4250	
						100	1850	2050	2250	2500	2700	2950	3200	3500	3750	4050	
						110	1650	1850	2050	-	-	-	-	-	-	-	
	OP-UCHC0050R	WB	B	114N2324	SC10CL	90	2450	2750	3100	3400	3750	4100	4500	4900	5250	5700	700
						95	2300	2600	2900	3200	3550	3850	4250	4600	4950	5350	
	OP-UCHC0050U	WC	N	114N2325		100	2100	2400	2700	3000	3300	3600	3950	4300	4650	5000	
						110	1850	2100	2350	2600	2850	3150	-	-	-	-	
	OP-HCHC0060U	WC	B	114N2328	SC12MLX	90	3400	3750	4200	4600	5050	5550	6050	6600	7100	7700	900
						95	3200	3550	3950	4350	4800	5250	5750	6250	6750	7300	
						100	3000	3350	3700	4100	4500	4950	5400	5900	6400	6900	
						110	2650	2950	3300	3700	4050	4450	4900	-	-	-	
	OP-HCHC0075R	WB	B	114N2330	SC18MLX	90	4400	4950	5500	6150	6800	7500	8250	9000	9800	10650	1000
						95	4150	4700	5250	5850	6500	7200	7900	8650	9400	10250	
	OP-HCHC0075U	WC	N	114N2331	NT6220GK	100	3900	4450	5000	5600	6200	6850	7550	8300	9050	9850	
						110	3500	4000	4550	5100	5700	6350	7000	-	-	-	
	OP-HCHC0100U	WD	N	114N2332	NT6222GK	90	-	5900	6650	7450	8200	9000	9850	10650	11450	12300	1300
						95	-	5600	6350	7100	7800	8600	9350	10150	10950	11750	
						100	-	-	6000	6700	7400	8150	8900	9650	10400	11150	
						110	-	-	-	6100	6750	7400	8100	8800	-	-	

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
B: Compressor & fan(s) 115V, 1 ph, 60 Hz
N: Compressor & fan(s) 230V, 1 ph, 60 Hz

Version
WA: Power cord
WB: Power cord, Receiver
WC: Electrical box, Receiver
WD: Electrical box, Receiver, Low pressure control

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-UCHC0020R	9	-	1	10.2	12.3	14	⅜" F	¼" F	39	5.2	POE / 9	119-3987
OP-UCHC0025R	9	2.16	2	10.3	13.5	17	⅜" F	¼" F	50	6.2	POE / 11	119-3987
OP-UCHC0033R	9	2.16	2	10.3	13.5	17	⅜" F	¼" F	49	7.6	POE / 11	119-3987
OP-UCHC0050R	10	2.16	3	11.8	13.5	17	⅜" F	¼" F	60	11.8	POE / 19	119-3993
OP-UCHC0050U							½" F			4.3		119-3995
OP-HCHC0060U	12	4	3	14	16.3	19	⅜" F	¼" F	70	14.1 7.1	POE / 20	119-3983 119-3995
OP-HCHC0075R	12	4	3	13.3	17	19	½" S	¼" F	78	22.2	POE / 20	119-3992
OP-HCHC0075U			4						91	9.4		119-3990
OP-HCHC0100U	12	4	4	13.3	16.9	19	½" S	¼" F	91	10.8	POE / 20	119-3990

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature								Power consumption [W] at evap. temp. 25°F	Power consumption [W] at evap. temp. 20°F	AWEF
						°F	15	20	25	30	35	40	45	50			
Single fan	OP-HCZC0150U	WJ	N Q R	114N3601 114N3602 114N3603	MTZ18	90	9989	11300	12670	14100	15590	17120	18700	20310			
						95	9438	10690	12000	13370	14780	16240	17750	19280			
						100	8879	10080	11320	12620	13970	15360	16790	18250	2066	1996	7.07
						105	8313	9451	10640	11870	13150	14470	15820	17200			
						110	7742	8822	9949	11120	12330	13580	-	-			
	OP-HCZC0200U	WJ	N Q R	114N3604 114N3605 114N3606	MTZ22	90	13320	14880	16510	18210	19960	21750	23590	25460			
						95	12660	14140	15690	17290	18950	20650	22380	24150			
						100	11970	13380	14840	16360	17920	19520	21160	22820	2365	2259	7.93
						105	11260	12590	13970	15400	16870	18380	19910	21470			
						110	10530	11780	13080	14420	15800	17210	-	-			
	OP-HCZC0250U	WJ	N Q R	114N3607 114N3608 114N3609	MTZ28	90	16910	18680	20500	22380	24310	26270	28260	30270			
						95	16110	17790	19520	21310	23130	24980	26870	28760			
						100	15290	16880	18530	20210	21930	23680	25450	27240	3056	2914	7.7
						105	14450	15960	17510	19100	20720	22370	24030	25700			
						110	13600	15020	16480	17970	19490	21040	-	-			
	OP-HCZC0275U	WJ	N Q R	114N3610 114N3611 114N3612	MTZ36	90	20820	23050	25350	27690	30080	32500	34930	37360			
						95	19740	21860	24050	26280	28540	30830	33130	35420			
						100	18660	20680	22750	24860	27000	29160	31330	33490	3824	3599	7.69
						105	17580	19490	21450	23440	25460	27500	29540	31560			
						110	16500	18310	20150	22030	23930	25850	-	-			
	OP-HCZC0300U	WJ	N Q R	114N3614 114N3615 114N3616	MTZ40	90	23390	25810	28300	30830	33380	35950	38520	41060			
						95	22180	24490	26850	29240	31660	34090	36510	38910			7.51
						100	20980	23170	25400	27660	29940	32230	34510	36770	4281	4026	7.51
						105	19780	21850	23950	26080	28230	30390	32530	34640			7.46
						110	18590	20530	22510	24520	26540	28550	-	-			
Two fan	OP-HGZC0400U	WJ	N Q R	114N3617 114N3618 114N3619	MTZ50	90	31480	35020	38720	42580	46590	50730	54980	59340			
						95	29880	33270	36820	40510	44330	48280	52330	56480			
						100	28260	31490	34880	38390	42040	45790	49650	53580	5051	4839	8.68
						105	26600	29690	32910	36260	39720	43280	46940	50670			
						110	24930	27860	30920	34100	37380	40760	-	-			
	OP-HGZC0500U	WJ	N Q R	114N3621 114N3622 114N3623	MTZ64	90	38340	42410	46630	50980	55440	59980	64600	69260			
						95	36310	40200	44210	48350	52580	56900	61280	65700			8.23
						100	34270	37970	41780	45700	49720	53810	57960	62130	6437	6127	8.23
						105	32220	35720	39340	43050	46850	50710	54630	58570			8.16
						110	30170	33480	36890	40390	43980	47620	-	-			
	OP-HGZC0700U	WJ	Q R	114N3626 114N3627	MTZ80	90	49600	54670	59940	65380	70990	76730	82580	88530			
						95	47120	51940	56950	62120	67440	72890	78440	84070			8.03
						100	44610	49190	53940	58840	63880	69030	74280	79600	8635	8206	7.97
						105	42090	46420	50900	55530	60290	65160	70110	75130			
						110	39550	43630	47860	52220	56700	61280	-	-			
	OP-HGZC0900U	WJ	Q R	114N3628 114N3629	MTZ100	90	60260	67010	74070	81430	89080	97000	105200	113500			
						95	57030	63470	70210	77230	84520	92050	99810	107800			
						100	53800	59940	66350	73030	79950	87110	94470	102000	10100	9728	8.59
						105	50570	56400	62490	68820	75380	82160	89130	96270			
						110	47350	52870	58630	64620	70820	77230	-	-			
	OP-HGZC1000U	WJ	Q R	114N3631 114N3632	MTZ125	90	75520	83250	91320	99710	108400	117400	126600	136000			
						95	71710	79080	86780	94770	103000	111600	120300	129300			
						100	67860	74880	82210	89800	97660	105700	114000	122500	12880	12330	8.32
						105	63980	70660	77610	84810	92250	99910	107700	115700			
						110	60090	66410	72990	79800	86830	94050	-	-			
	OP-HGZC1200U	WJ	Q R	114N3633 114N3634	MTZ144	90	87530	96260	105400	114800	124500	134500	144800	155200			
						95	83140	91470	100100	109100	118400	127900	137600	147500			
						100	78710	86630	94860	103400	112200	121200	130400	139800	14670	14000	8.04
						105	74230	81750	89550	97630	106000	114500	123200	132000			
						110	69730	76830	84210	91840	99690	107700	-	-			
	OP-HGZC1350U	WJ	Q R	114N3636 114N3637	MTZ160	90	94170	103400	112900	122900	133100	143600	154300	165200			
						95	89460	98240	107400	116800	126500	136500	146700	157000			
						100	84750	93100	101800	110800	120000	129500	139100	148900	16660	15820	7.9
						105	80020	87960	96190	104700	113400	122400	131500	140700			
						110	75300	82810	90600	98630	106900	115300	-	-			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz / Fan(s) 230V, 1ph, 60 Hz
R: Compressor 460V, 3ph, 60 Hz / Fan(s) 460V, 1ph, 60 Hz

Version
WJ: Electrical box, Receiver, Dual pressure control, Fan cycling control, Filter drier, Sight glass

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-HCZC0150U	14	7	6a	16.3	20.1	25	½" S	⅜" S	130	N: 14 Q: 9 R: 6	POE/29	119-6401 119-6403 119-6406
OP-HCZC0200U	14	7	6a	16.3	20.1	25	½" S	⅜" S	130	N: 17 Q: 11 R: 6	POE/29	119-6401 119-6403 119-6406
OP-HCZC0250U	14	7	6a	17.4	27.6	19.7	⅝" S	⅜" S	140	N: 24 Q: 16 R: 8	POE/29	119-6401 119-6403 119-6406
OP-HCZC0275U	14	7	6a	17.4	27.6	19.7	⅝" S	⅜" S	150	N: 28 Q: 17 R: 9	POE/29	119-6401 119-6403 119-6406
OP-HCZC0300U	18	7	6a	21.4	31.5	24	⅝" S	⅜" S	150	N: 40 Q: 23 R: 12	POE/29	119-6401 119-6403 119-6406
OP-HGZC0400U	14	15	8a	21.8	39.4	27.6	⅞" S	½" S	210	N: 36 Q: 24 R: 12	POE/63	119-6402 119-6404 119-6405
OP-HGZC0500U	18	18.5	8a	26.6	47.2	31.5	⅞" S	½" S	300	N: 52 Q: 32 R: 16	POE/63	119-6402 119-6404 119-6405
OP-HGZC0700U	18	28	8a	26.6	47.2	31.5	1 ⅛" S	½" S	300	Q: 40 R: 17	POE/63	119-6404 119-6405
OP-HGZC0900U	22	33	9a	34.4	34.3	59.1	1 ⅛" S	½" S	500	Q: 50 R: 26	POE/132	119-6404 119-6405
OP-HGZC1000U	22	33	9a	34.4	34.3	59.1	1 ⅛" S	½" S	500	Q: 60 R: 30	POE/132	119-6404 119-6405
OP-HGZC1200U	22	33	9a	34.4	34.3	59.1	1 ⅛" S	½" S	510	Q: 69 R: 33	POE/132	119-6404 119-6405
OP-HGZC1350U	22	40	9a	34.4	34.3	59.1	1 ⅛" S	½" S	540	Q: 75 R: 38	POE/132	119-6404 119-6405

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature												Power consumption [W] at evap. temp. 20°F
						°F	-10	-5	0	5	10	15	20	25	30	35	40	45	50	
Single fan	OP-HCYC0075R	C0001 C0002	N	114N2088 114N2107	MPT14RF	90				2870	3204	3552	3913	4286	4670	5063	5465	5875	6294	1024
						95				2720	3032	3360	3701	4054	4419	4795	5180	5575	5979	
						100				2570	2860	3167	3488	3823	4169	4527	4895			
						105					2689	2975	3276	3591	3919	4259				
						110						2848	3136	3438	3754					
	OP-HCYC0100R	C0001 C0002	N	114N2089 114N2108	MX18TGa	90	2290	2625	2974	3335	3707	4089	4481	4881	5289	5705	6128	6558	6996	1198
						95	2137	2445	2768	3105	3454	3814	4184	4563	4952	5348	5753	6166	6588	
						100		2266	2564	2876	3201	3539	3887	4246	4614	4992	5378			
						105			2360	2648	2950	3264	3591	3929	4277					
						110				2498	2784	3084	3396	3720						
	OP-HCYC0075R	C0001 C0002	B	114N2102 114N2109	MPT14RD	90				2926	3266	3621	3989	4369	4761	5161	5571	5989	6416	1068
						95				2773	3091	3425	3773	4133	4505	4888	5280	5683	6095	
						100				2620	2915	3228	3556	3897	4250	4615	4990			
						105					2741	3033	3340	3661	3995	4342				
						110						2903	3197	3505	3827					

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
B: Compressor & fan(s) 115V, 1 ph, 60 Hz
N: Compressor & fan(s) 230V, 1 ph, 60 Hz

Version
C0001: Multi Pack
C0002: Single Pack

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ∅ (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-HCYC0075R	10	3.15	10	19.02	15.98	11.73	1/4" OD S	2.8 mm ID S	30.78	8.11	POE / 14.1	119-9231
OP-HCYC0100R	10	3.15	11	19.02	15.98	11.73	1/4" OD S	2.8 mm ID S	38.34	8.6	POE / 17.6	119-9231
OP-HCYC0075R	10	3.15	10	19.02	15.98	11.73	1/4" OD S	2.8 mm ID S	38.56	18.2	POE / 14.1	119-9233

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature								Power consumption [W] at evap. temp. 25°F	Power consumption [W] at evap. temp. 20°F	AWEF
						˚F	15	20	25	30	35	40	45	50			
Single fan	OP-HCZC0150U	WJ	N	114N3601	MTZ18	90	8586	9756	10990	12280	13620	15020	16460	17960	1782	1700	7.58
			Q	114N3602		95	8110	9234	10420	11650	12950	14290	15680	17110			
			R	114N3603		100	7644	8723	9857	11040	12280	13570	14900	16270			
						105	7188	8222	9308	10440	11630	12860	14130	15450			
						110	6744	7732	8770	9857	10990	12160	13380	14630			
	OP-HCZC0200U	WJ	N	114N3604	MTZ22	90	11590	12990	14490	16080	17750	19500	21320	23210	2142	2034	8.16
			Q	114N3605		95	11060	12390	13820	15330	16930	18600	20330	22130			
			R	114N3606		100	10530	11800	13160	14590	16110	17700	19350	21060			
						105	10010	11210	12500	13860	15300	16810	18380	20000			
						110	9488	10630	11850	13140	14500	15930	17410	18950			
	OP-HCZC0250U	WJ	N	114N3607	MTZ28	90	14170	15860	17660	19550	21540	23610	25750	27960	2619	2479	8.2
			Q	114N3608		95	13520	15130	16830	18640	20530	22500	24540	26650			
			R	114N3609		100	12880	14400	16020	17730	19530	21400	23350	25350			
						105	12240	13680	15220	16840	18540	20320	22160	24060			
						110	11600	12970	14420	15950	17560	19240	20980	22780			
	OP-HCZC0275U	WJ	N	114N3610	MTZ36	90	18050	20130	22290	24530	26830	29190	31570	33990	3486	3273	7.7
			Q	114N3611		95	17220	19200	21270	23400	25590	27830	30100	32390			
			R	114N3612		100	16390	18270	20240	22270	24350	26470	28630	30800			
						105	15560	17350	19210	21130	23110	25120	27160	29220			
						110	14720	16420	18180	20000	21870	23770	25700	27640			
	OP-HCZC0300U	WJ	N	114N3614	MTZ40	90	20390	22700	25090	27560	30080	32640	35230	37820	3929	3679	7.69
			Q	114N3615		95	19430	21630	23920	26260	28660	31090	33550	36020			7.69
			R	114N3616		100	18470	20570	22740	24970	27240	29550	31880	34210			7.62
						105	17520	19510	21560	23670	25830	28010	30210	32420			
						110	16570	18450	20390	22380	24410	26480	28550	30630			
Two fan	OP-HGZC0400U	WJ	N	114N3617	MTZ50	90	26130	29570	33220	37070	41100	45300	49670	54170	4562	4309	8.86
			Q	114N3618		95	24900	28200	31690	35380	39240	43270	47450	51770			
			R	114N3619		100	23660	26820	30160	33690	37390	41240	45240	49370			
						105	22410	25430	28630	31990	35520	39210	43020	46970			
						110	21160	24040	27090	30300	33660	37170	40810	44570			
	OP-HGZC0500U	WJ	N	114N3621	MTZ64	90	32200	36160	40310	44650	49160	53810	58600	63500	5610	5288	8.49
			Q	114N3622		95	30610	34410	38400	42570	46890	51360	55960	60660			8.49
			R	114N3623		100	29040	32680	36510	40500	44640	48920	53320	57820			8.4
						105	27480	30970	34620	38440	42410	46500	50710	55010			
						110	25940	29270	32760	36400	40180	44090	48110	52210			
	OP-HGZC0700U	WJ	Q	114N3626	MTZ80	90	43870	48970	54330	59930	65750	71780	77980	84330	7519	7090	8.55
			R	114N3627		95	41900	46800	51930	57300	62880	68650	74590	80670			8.47
						100	39930	44610	49530	54660	60000	65520	71190	77000			
						105	37940	42420	47120	52020	57120	62380	67800	73340			
						110	35950	40220	44700	49380	54230	59250	64410	69690			
	OP-HGZC0900U	WJ	Q	114N3628	MTZ100	90	52540	59390	66680	74390	82510	91020	99900	109100	9131	8701	8.74
			R	114N3629		95	49960	56530	63520	70920	78720	86890	95410	104300			
						100	47410	53700	60400	67490	74960	82790	90960	99450			
						105	44890	50900	57310	64090	71240	78730	86550	94680			
						110	42410	48140	54250	60720	67550	74710	82180	89940			
	OP-HGZC1000U	WJ	Q	114N3631	MTZ125	90	66450	74950	83960	93470	103400	113900	124700	135900	11540	10950	8.73
			R	114N3632		95	63170	71330	79980	89100	98690	108700	119100	129900			
						100	59930	67740	76030	84770	93960	103600	113500	123900			
						105	56720	64190	72110	80480	89270	98470	108000	117900			
						110	53550	60670	68240	76230	84630	93410	102600	112000			
	OP-HGZC1200U	WJ	Q	114N3633	MTZ144	90	78110	86970	96280	106000	116200	126700	137500	148700	13150	12470	8.61
			R	114N3634		95	74470	82980	91920	101300	111000	121100	131600	142300			
						100	70870	79040	87620	96590	105900	115600	125600	135900			
						105	67330	75150	83370	91970	100900	110200	119800	129600			
						110	63850	71320	79180	87400	95950	104800	114000	123400			
	OP-HGZC1350U	WJ	Q	114N3636	MTZ160	90	83580	92920	102700	112900	123500	134500	145800	157300	14990	14190	8.12
			R	114N3637		95	79660	88630	98030	107800	118000	128500	139300	150400			
						100	75790	84400	93410	102800	112600	122600	133000	143600			
						105	71990	80220	88850	97840	107200	116800	126700	136800			
						110	68240	76110	84350	92930	101800	111000	120500	130100			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
Q: Compressor 208-230V, 3ph, 60 Hz / Fan(s) 230V, 1ph, 60 Hz
R: Compressor 460V, 3ph, 60 Hz / Fan(s) 460V, 1ph, 60 Hz

Version
WJ: Electrical box, Receiver, Dual pressure control, Fan cycling control, Filter drier, Sight glass

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-HCZC0150U	14	7	6a	16.3	20.1	25	½" S	⅜" S	130	N: 14 Q: 9 R: 6	POE/29	119-6401 119-6403 119-6406
OP-HCZC0200U	14	7	6a	16.3	20.1	25	½" S	⅜" S	130	N: 17 Q: 11 R: 6	POE/29	119-6401 119-6403 119-6406
OP-HCZC0250U	14	7	6a	17.4	27.6	19.7	⅝" S	⅜" S	140	N: 24 Q: 16 R: 8	POE/29	119-6401 119-6403 119-6406
OP-HCZC0275U	14	7	6a	17.4	27.6	19.7	⅝" S	⅜" S	150	N: 28 Q: 17 R: 9	POE/29	119-6401 119-6403 119-6406
OP-HCZC0300U	18	7	6a	21.4	31.5	24	⅝" S	⅜" S	150	N: 40 Q: 23 R: 12	POE/29	119-6401 119-6403 119-6406
OP-HGZC0400U	14	15	8a	21.8	39.4	27.6	⅞" S	½" S	210	N: 36 Q: 24 R: 12	POE/63	119-6402 119-6404 119-6405
OP-HGZC0500U	18	18.5	8a	26.6	47.2	31.5	⅞" S	½" S	300	N: 52 Q: 32 R: 16	POE/63	119-6402 119-6404 119-6405
OP-HGZC0700U	18	28	8a	26.6	47.2	31.5	1 ⅛" S	½" S	300	Q: 40 R: 17	POE/63	119-6404 119-6405
OP-HGZC0900U	22	33	9a	34.4	34.3	59.1	1 ⅛" S	½" S	500	Q: 50 R: 26	POE/132	119-6404 119-6405
OP-HGZC1000U	22	33	9a	34.4	34.3	59.1	1 ⅛" S	½" S	500	Q: 60 R: 30	POE/132	119-6404 119-6405
OP-HGZC1200U	22	33	9a	34.4	34.3	59.1	1 ⅛" S	½" S	510	Q: 69 R: 33	POE/132	119-6404 119-6405
OP-HGZC1350U	22	40	9a	34.4	34.3	59.1	1 ⅛" S	½" S	540	Q: 75 R: 38	POE/132	119-6404 119-6405

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp. °F	Capacity range in (btu/hr) at evaporating temperature 15	20	25	30	35	40	45	50	Power consumption [W] at evap. temp. 25°F	Power consumption [W] at evap. temp. 20°F	AWEF
Single fan	OP-HCZC0150U	WJ	N	114N3601	MTZ18	90	9663	10850	12100	13400	14760	16170	17630	19120	1945	1869	7.64
			Q	114N3602		95	9109	10240	11430	12670	13970	15310	16690	18120			
			R	114N3603		100	8558	9636	10770	11950	13180	14450	15770	17120			
						105	8010	9034	10110	11230	12400	13600	14850	16130			
						110	7466	8436	9453	10510	11620	12760	13940	15160			
	OP-HCZC0200U	WJ	N	114N3604	MTZ22	90	12930	14340	15820	17360	18950	20580	22260	23970	2311	2207	8.24
			Q	114N3605		95	12260	13610	15010	16480	17990	19540	21140	22760			
			R	114N3606		100	11590	12880	14210	15600	17040	18510	20030	21570			
						105	10930	12150	13420	14740	16100	17490	18920	20380			
						110	10280	11440	12640	13880	15160	16480	17830	19200			
	OP-HCZC0250U	WJ	N	114N3607	MTZ28	90	15430	17050	18780	20610	22540	24540	26620	28760	2810	2676	8.16
			Q	114N3608		95	14650	16180	17810	19540	21350	23240	25210	27230			
			R	114N3609		100	13860	15300	16830	18450	20160	21940	23790	25700			
						105	13070	14410	15840	17360	18960	20630	22370	24170			
						110	12260	13510	14850	16260	17760	19330	20960	22640			
	OP-HCZC0275U	WJ	N	114N3610	MTZ36	90	19170	21110	23130	25230	27390	29600	31850	34130	3606	3415	7.71
			Q	114N3611		95	18200	20030	21940	23920	25960	28040	30160	32310			
			R	114N3612		100	17220	18940	20740	22600	24510	26470	28470	30490			
						105	16220	17840	19520	21260	23060	24900	26770	28670			
						110	15210	16720	18290	19920	21600	23320	25070	26850			
	OP-HCZC0300U	WJ	N	114N3614	MTZ40	90	22110	24310	26590	28930	31320	33740	36180	38630	4146	3918	7.71
			Q	114N3615		95	20990	23060	25200	27390	29640	31910	34200	36490			7.71
			R	114N3616		100	19840	21780	23790	25840	27940	30070	32210	34350			7.65
						105	18680	20490	22360	24270	26230	28210	30210	32210			
						110	17490	19180	20910	22690	24510	26350	28210	30080			
Two fan	OP-HGZC0400U	WJ	N	114N3617	MTZ50	90	29010	32460	36070	39840	43760	47800	51950	56200	4794	4572	8.27
			Q	114N3618		95	27590	30880	34320	37910	41630	45480	49430	53470			
			R	114N3619		100	26140	29270	32540	35950	39480	43130	46880	50710			
						105	24670	27630	30730	33960	37310	40760	44310	47940			
						110	23170	25970	28900	31960	35120	38380	41730	45160			
	OP-HGZC0500U	WJ	N	114N3621	MTZ64	90	35840	39770	43850	48080	52420	56870	61400	65990	5965	5675	8.19
			Q	114N3622		95	34010	37750	41640	45660	49800	54030	58340	62710			8.19
			R	114N3623		100	32160	35730	39430	43240	47170	51180	55270	59410			8.11
						105	30320	33690	37200	40820	44530	48330	52200	56120			
						110	28460	31660	34970	38390	41900	45490	49140	52830			
	OP-HGZC0700U	WJ	Q	114N3626	MTZ80	90	45880	50630	55570	60700	65990	71430	76990	82650	7642	7280	8.01
			R	114N3627		95	43730	48250	52960	57840	62870	68030	73310	78680			7.94
						100	41550	45840	50310	54930	59700	64600	69590	74670			
						105	39330	43390	47620	52000	56500	61130	65850	70640			
						110	37070	40910	44900	49030	53280	57640	62080	66600			
	OP-HGZC0900U	WJ	Q	114N3628	MTZ100	90	58530	65320	72470	79950	87760	95870	104200	112900	9691	9295	8.8
			R	114N3629		95	55620	62090	68900	76030	83460	91170	99140	107300			
						100	52700	58850	65320	72100	79150	86470	94040	101800			
						105	49770	55610	61740	68160	74850	81780	88940	96310			
						110	46820	52360	58160	64230	70550	77100	83870	90820			
	OP-HGZC1000U	WJ	Q	114N3631	MTZ125	90	72590	80820	89440	98420	107700	117400	127300	137400	12250	11720	8.75
			R	114N3632		95	68910	76760	84970	93530	102400	111600	121000	130600			
						100	65210	72680	80490	88630	97060	105800	114700	123800			
						105	61510	68590	76000	83710	91700	99950	108400	117100			
						110	57790	64490	71500	78800	86350	94150	102200	110300			
	OP-HGZC1200U	WJ	Q	114N3633	MTZ144	90	81990	90110	98610	107500	116600	126100	135800	145800	14100	13510	8.51
			R	114N3634		95	77940	85700	93810	102300	111000	120100	129400	138900			
						100	73890	81280	89010	97060	105400	114000	122900	132000			
						105	69850	76870	84210	91860	99800	108000	116400	125000			
						110	65810	72470	79430	86680	94210	102000	110000	118200			
	OP-HGZC1350U	WJ	Q	114N3636	MTZ160	90	91250	100200	109400	119000	129000	139200	149600	160300	15950	15210	8.19
			R	114N3637		95	86730	95220	104100	113200	122700	132400	142400	152500			
						100	82200	90280	98690	107400	116400	125600	135100	144700			
						105	77670	85340	93320	101600	110100	118900	127800	136900			
						110	73140	80400	87960	95790	103900	112100	120600	129200			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
Q: Compressor 208-230V, 3ph, 60 Hz / Fan(s) 230V, 1ph, 60 Hz
R: Compressor 460V, 3ph, 60 Hz / Fan(s) 460V, 1ph, 60 Hz

Version
WJ: Electrical box, Receiver, Dual pressure control, Fan cycling control, Filter drier, Sight glass

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-HCZC0150U	14	7	6a	16.3	20.1	25	½″ S	⅜″ S	130	N: 14 Q: 9 R: 6	POE/29	119-6401 119-6403 119-6406
OP-HCZC0200U	14	7	6a	16.3	20.1	25	½″ S	⅜″ S	130	N: 17 Q: 11 R: 6	POE/29	119-6401 119-6403 119-6406
OP-HCZC0250U	14	7	6a	17.4	27.6	19.7	⅝″ S	⅜″ S	140	N: 24 Q: 16 R: 8	POE/29	119-6401 119-6403 119-6406
OP-HCZC0275U	14	7	6a	17.4	27.6	19.7	⅝″ S	⅜″ S	150	N: 28 Q: 17 R: 9	POE/29	119-6401 119-6403 119-6406
OP-HCZC0300U	18	7	6a	21.4	31.5	24	⅝″ S	⅜″ S	150	N: 40 Q: 23 R: 12	POE/29	119-6401 119-6403 119-6406
OP-HGZC0400U	14	15	8a	21.8	39.4	27.6	⅞″ S	½″ S	210	N: 36 Q: 24 R: 12	POE/63	119-6402 119-6404 119-6405
OP-HGZC0500U	18	18.5	8a	26.6	47.2	31.5	⅞″ S	½″ S	300	N: 52 Q: 32 R: 16	POE/63	119-6402 119-6404 119-6405
OP-HGZC0700U	18	28	8a	26.6	47.2	31.5	1 ⅛″ S	½″ S	300	Q: 40 R: 17	POE/63	119-6404 119-6405
OP-HGZC0900U	22	33	9a	34.4	34.3	59.1	1 ⅛″ S	½″ S	500	Q: 50 R: 26	POE/132	119-6404 119-6405
OP-HGZC1000U	22	33	9a	34.4	34.3	59.1	1 ⅛″ S	½″ S	500	Q: 60 R: 30	POE/132	119-6404 119-6405
OP-HGZC1200U	22	33	9a	34.4	34.3	59.1	1 ⅛″ S	½″ S	510	Q: 69 R: 33	POE/132	119-6404 119-6405
OP-HGZC1350U	22	40	9a	34.4	34.3	59.1	1 ⅛″ S	½″ S	540	Q: 75 R: 38	POE/132	119-6404 119-6405

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature											Power consumption [W] at evap. temp. -10°F
						°F	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	
Single fan	OP-UCHC0020R	WA	B	114N2316	TF4CLX	90	350	400	450	550	600	700	800	900	1000	1100	1250	200
						95	300	350	450	500	550	650	750	850	950	1050	1200	
						100	300	350	400	450	550	600	700	800	900	1000	1100	
						110	250	300	350	400	500	550	650	700	800	900	-	
	OP-UCHC0025R	WB	B	114N2318	NF5.5CLX	90	600	700	800	900	1050	1200	1350	1500	1650	1850	2050	300
						95	550	650	750	900	1000	1150	1250	1400	1600	1750	1950	
						100	550	600	700	850	950	1050	1200	1350	1500	1650	1850	
						110	450	550	650	750	850	950	1100	1250	1350	1550	1700	
	OP-UCHC0033R	WB	B	114N2321	NF7CLX	90	750	850	1000	1100	1300	1450	1650	1800	2050	2250	2500	400
						95	700	800	950	1050	1200	1400	1550	1750	1950	2150	2400	
						100	650	750	850	1000	1150	1300	1450	1650	1850	2050	2250	
						110	550	650	750	900	1000	1150	1350	1500	-	-	-	
	OP-UCHC0050R	WB	B	114N2324	SC10CL	90	-	-	1100	1300	1500	1700	1900	2150	2400	2700	2950	500
						95	-	-	1000	1200	1400	1600	1850	2050	2300	2550	2850	
	OP-UCHC0050U	WC	N	114N2325		100	-	-	900	1100	1300	1500	1750	1950	2200	2450	2700	
						110	-	-	750	950	1150	1350	1550	1750	2000	2250	2500	
	OP-LCHC0050R	WB	B	114N2389	SC12CLX2	90	1050	1250	1450	1700	1950	2200	2500	2800	3150	3450	3850	650
						95	950	1150	1350	1600	1850	2100	2400	2650	3000	3300	3650	
						100	850	1050	1250	1500	1700	2000	2250	2500	2800	3150	3450	
						110	700	900	1100	1300	1500	1750	2000	2300	2550	2850	3150	
	OP-LCHC0060R	WB	B	114N2335	SC15CLX.2	90	1350	1550	1850	2100	2400	2700	3050	3400	3800	4200	4600	700
						95	1250	1450	1700	1950	2250	2550	2900	3200	3600	3950	4350	
						100	1150	1350	1600	1850	2100	2400	2700	3050	3400	3750	4100	
						110	950	1150	1400	1600	1850	2150	2400	2700	3050	3350	-	
	OP-LCHC0075R	WB	B	114N2337	NT2178GK	90	1450	1800	2150	2550	2950	3400	3900	4400	4950	5550	6200	850
						95	1400	1750	2100	2450	2900	3350	3800	4300	4850	5450	6100	
	OP-LCHC0075U	WC	N	114N2338		100	-	1650	2000	2400	2800	3250	3750	4250	4800	5350	6000	
						110	-	-	-	-	-	3100	3600	4100	4650	5200	-	
	OP-LCHC0100U	WD	N	114N2339	NJ2192GK	90	1700	2250	2800	3400	4000	4650	5350	6000	6800	7550	8400	1150
						95	1550	2100	2650	3200	3850	4500	5150	5850	6600	7400	8250	
						100	-	1900	2500	3050	3650	4300	5000	5700	6450	7250	8100	
						110	-	-	-	-	-	4000	4700	5400	6150	7000	-	

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
B: Compressor & fan(s) 115V, 1 ph, 60 Hz
N: Compressor & fan(s) 230V, 1 ph, 60 Hz

Version
WA: Power cord
WB: Power cord, Receiver
WC: Electrical box, Receiver
WD: Electrical box, Receiver, Low pressure control

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-UCHC0020R	9	-	1	10.2	12.3	14	⅜" F	¼" F	39	5.2	POE / 9.5	119-3987
OP-UCHC0025R	9	2.16	2	10.3	13.5	17	⅜" F	¼" F	50	6.2	POE / 10.8	119-3987
OP-UCHC0033R	9	2.16	2	10.3	13.5	17	⅜" F	¼" F	49	7.6	POE / 10.8	119-3987
OP-UCHC0050R	10	2.16	3	11.8	13.5	17	⅜" F	¼" F	60	11.8	POE / 18.6	119-3993
OP-UCHC0050U									58	4.3		119-3995
OP-LCHC0050R	10	2.16	3	11.9	13.5	17.3	½" F	¼" F	58	11.8	POE / 18.6	119-3993
OP-LCHC0060R	10	2.16	3	11.8	13.5	17	⅜" F	¼" F	58	14.2	POE / 18.6	119-3983
OP-LCHC0060U										6.3		119-3990
OP-LCHC0075R	10	4	4	11.9	13.3	18	½" F	¼" F	76	12.2	POE / 19.6	119-3992
OP-LCHC0075U							⅝" F			5.5		119-3990
OP-LCHC0100U	12	4	4	13.4	17.5	19	½" F	½" F	105	8	POE / 30.1	119-3990

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature								Power consumption [W] at evap. temp. -10 °F	AWEF
						°F	-40	-35	-30	-25	-20	-15	-10	-5		
Single fan	OP-LCHC0150U	WF	N Q	114N6725 114N6726	NTZ048A	90	2911	3625	4394	5214	6082	6993	7944	8929	1901	6.81 6.63
						95	2657	3342	4076	4858	5683	6547	7447	8378		
						100	2405	3060	3761	4504	5286	6104	6954	7831		
						105	-	2781	3448	4153	4893	5664	6464	7288		
						110	-	-	3138	3805	4503	5228	5979	6750		
	OP-LCHC0200U	WF	N Q R	114N6729 114N6730 114N6731	NTZ068A	90	4571	5324	6147	7041	8004	9036	10130	11290	2679	3.61 3.5 3.51
						95	4227	4943	5724	6572	7486	8465	9505	10600		
						100	3898	4579	5320	6122	6987	7913	8898	9938		
						105	-	4230	4932	5690	6507	7381	8310	9292		
						110	-	-	4559	5275	6044	6866	7741	8665		
	OP-LCHC0300U	WF	N Q	114N6733 114N6734	NTZ108A	90	5850	7248	8720	10240	11800	13360	14910	16420	4146	3.19
						95	5375	6708	8104	9544	11010	12470	13920	15320		
						100	4889	6158	7480	8837	10210	11580	12920	14220		
						105	-	5601	6849	8124	9406	10680	11920	13120		
						110	-	-	6213	7406	8600	9777	10920	12020		
Two fan	OP-LGHC0400U	WF	N Q R	114N6737 114N6738 114N6739	NTZ136A	90	9106	11160	13370	15740	18250	20910	23700	26610	5644	3.29
						95	8364	10340	12470	14740	17150	19690	22350	25120		
						100	7626	9529	11570	13750	16050	18470	21000	23640		
						105	-	8723	10680	12750	14950	17250	19660	22150		
						110	-	-	9791	11770	13850	16040	18320	20670		
	OP-LGHC0600U	WF	Q R	114N6741 114N6742	NTZ215A	90	14890	17940	21250	24820	28630	32690	36990	41500	7858	3.66 3.63
						95	13630	16570	19760	23180	26830	30700	34800	39090		
						100	12340	15170	18230	21500	24980	28670	32560	36640		
						105	-	13750	16670	19790	23110	26610	30300	34160		
						110	-	-	15100	18060	21210	24530	28020	31660		
	OP-LGHC0750U	WF	Q R	114N6744 114N6745	NTZ271A	90	20210	24010	28100	32460	37070	41920	46960	52180	10250	3.47 3.45
						95	18820	22450	26350	30500	34880	39470	44230	49160		
						100	17400	20870	24580	28520	32660	36990	41480	46110		
						105	-	19280	22800	26520	30430	34500	38710	43050		
						110	-	-	21010	24510	28180	31990	35930	39980		

Test condition
Return gas temperature 40°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz / Fan(s) 230V, 1ph, 60 Hz
R: Compressor 460V, 3ph, 60 Hz / Fan(s) 460V, 1ph, 60 Hz

Version
WF: WE + Filter drier, Sight glass, Solenoid valve with coil

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-LCZC0150U	14	10	6a	16.3	20.1	25	½" S	⅜" S	130	N: 18 Q: 11 R: 5	POE / 29	119-6401 119-6403 119-6406
OP-LCZC0200U	14	10	6a	16.3	20.1	25	⅝" S	⅜" S	130	N: 24 Q: 19 R: 6	POE / 29	119-6401 119-6403 119-6406
OP-LCZC0300U	14	10	7a	17.4	27.5	27	⅞" S	½" S	150	N: 32 Q: 21 R: 10	POE / 63	119-6401 119-6403 119-6406
OP-LGZC0400U	14	17.5	8a	21.8	39.4	27.6	⅞" S	½" S	210	N: 36 Q: 78 R: 12	POE / 63	119-6402 119-6404 119-6405
OP-LGZC0600U	18	26	9a	26.4	47.2	31.5	1 ⅛" S	½" S	300	Q: 43 R: 17	POE / 132	119-6404 119-6405
OP-LGZC0751U	18	26	9a	26.4	47.2	31.5	1 ⅛" S	½" S	300	Q: 53 R: 22	POE / 132	119-6404 119-6405

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature									Power consumption [W] at evap. temp. -10 °F	Power Consuption [W] at evap. Temp. 20°F
						°F	-30	-20	-10	0	10	20	30	40	50		
Single fan	OP-MCNC0015R	DF600 DF602	B	114N2090 114N2117	NBC30NR	90	313	425	596	758	950	1171	1403			118	155
						95	294	382	573	717	910	1120	1341				
						100	278	360	543	681	870	1073	1278				
						105	262	339	514	645	829	1026	1216				
	OP-MCNC0020R	DF600 DF602	B	114N2092 114N2119	NUT55LRb	90	790	999	1299	1537	1816	2091	2383			186	268
						95	743	910	1252	1464	1744	2007	2297				
						100	702	859	1193	1397	1670	1925	2208				
						105	661	809	1133	1329	1595	1844					
	OP-MCNC0033R	WA000 WA002	B	114N2097 114N2123	DLE6.5CN	90	950	1177	1523	1798	2118	2432	2766	3099		244	334
						95	891	1054	1467	1704	2027	2326	2657				
						100	839	990	1392	1619	1934	2223					
						105	788	927	1318	1535	1840						
	OP-MCNC0050R	DF600 DF602	B	114N2094 114N2121	NLY12NRb	90	1122	1494	2019	2508	3065	3637	4240	4850		398	574
						95	1069	1375	1956	2399	2950	3495	4084				
						100	1024	1313	1875	2301	2832	3357	3927				
						105	978	1252	1795	2202	2715	3220	3725				
	OP-MCNC0050R	WA000 WA002	B	114N2091 114N2118	NLY12NRb	90	1122	1494	2019	2508	3065	3637	4240	4850		398	574
						95	1069	1375	1956	2399	2950	3495	4084				
						100	1024	1313	1875	2301	2832	3357	3927				
						105	978	1252	1795	2202	2715	3220	3725				
	OP-MCNC0075R	DF600 DF602	B	114N2095 114N2122	NPT14ND	90	1438	1881	2552	3206	3972	4776	5637			518	741
						95	1370	1733	2475	3073	3831	4598					
						100	1311	1657	2376	2952	3684	4425					
						105	1252	1581	2278	2831	3538	4253					
	OP-LCNC0075R	DF600	B	114N2104	NPT16LR	90	1239	1569	2065	2505	3001					566	-
						95		1436	1997	2389							
						100		1368	1911	2284							
						105		1301	1824								
	OP-MCNC0075R	WA000 WA002	B	114N2098 114N2124	NPT14 ND	90	1438	1881	2552	3206	3972	4776	5637			513	734
						95	1370	1733	2475	3073	3831	4598					
						100	1311	1657	2376	2952	3684	4425					
						105	1252	1581	2278	2831	3538	4253					
	OP-MCNC0075R	WA000 WA002	N	114N2099 114N2125	SCE15MNX	90			2857	3568	4391	5262	6232	7275	8905	509	682
						95			2754	3404	4229	5066	6018	7021	8598		
						100			2629	3250	4050	4855	5773	6738			
						105			2505	2941	3611	4807	5389	6564			
	OP-MCNC0100R	WA000 WA002	B	114N2100 114N2126	SCE18MNX	90			3263	4033	4947	5897	6941	8030	9828	612	813
						95			3166	3841	4753	5646	6666	7704	9434		
						100			3008	3651	4541	5401	6389	7390			
						105			2846	3461	4329	5157	6113				
	OP-MCNC0100R	WA000 WA002	B	114N2101 114N2127	NPT16NF	90	2138	2840	3765	4579	5511	6454	7457	8477		637	909
						95	2019	2571	3628	4350	5282	6181	7174	8163			
						100	1915	2430	3452	4143	5045	5917	6885				
						105	1811	2289	3275	3935	4808	5653	6596				

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
B: Compressor & fan(s) 115V, 1 ph, 60 Hz
N: Compressor & fan(s) 230V, 1 ph, 60 Hz

Version
DF: Plastic baseplate
WA: Power cord

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature

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Model no	Condenser fan	Receiver lbs @ 90%	Dimensions (in)[1]						Weight (lbs)	MCA (A)	Oil Type / Charge (oz)	Wiring diagram code [2]
	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross			
OP-MCNC0015R	4.75	-	12a	17.20	8.27	8.50	1/4" S	2.8 mm S	30.78	2.19	POE / 4.2	119-9261
OP-MCNC0020R	4.75	-	12a	17.20	8.27	8.50	1/4" S	2.8 mm S	38.34	3.07	POE / 7	119-9262
OP-MCNC0033R	8	-	13a	13.78	11.26	8.98	1/4" S	1/4" S	35.75	5.65	POE / 7.8	119-3993
OP-MCNC0050R	10	-	14a	17.01	13.11	12.44	5/16" S	2.8 mm S	49.25	7.39	POE / 13.9	119-9262
OP-MCNC0050R	10	-	14a	17.01	13.23	11.89	5/16" S	2.8 mm S	48.46	7.39	POE / 13.9	119-9262
OP-MCNC0075R	10	-	14a	17.01	12.99	12.44	5/16" S	1/4" S	58.01	7.7	POE / 14.1	119-9262
OP-LCNC0075R	8	-	15a	20.08	10.55	9.84	5/16" S	1/4" S	59.62	7.27	POE / 14.1	119-9262
OP-MCNC0075R	10	-	14a	17.01	13.23	11.89	5/16" S	1/4" S	60.21	7.7	POE / 14.1	119-9262
OP-MCNC0075R	10	-	14a	17.01	13.23	11.89	3/8" S	1/4" S	64.5	5.21	POE / 19.4	119-3990
OP-MCNC0100R	12	-	16a	19.02	15.98	13.94	3/8" S	1/4" S	64.5	11.93	POE / 19.4	119-3992
OP-MCNC0100R	12	-	16a	19.02	15.98	13.94	5/16" S	1/4" S	59.91	4.39	POE / 15.8	119-9263

[1] Dimensions (in) available on page 37
[2] Wiring diagram available on page 31
For spare parts, see pages 26

Optyma™ condensing unit - MBP

Unit	N	Q	R	Compressor					Contactor	Service valve		
				4	Code number	Start capacitor	Run Capacitor	Start Relay		Suction	Discharge	Receiver valve
HCZC0150	114N3601	114N3602	114N3603	MTZ18-1 MTZ18-3 MTZ18-4	N: MTZ18-1VI Q: MTZ18-3VI R: MTZ18-4VI	N: 119-5637	N: 119-5617	N: 119-5616	N: 119-8784 Q,R: 119-5640	119-4545	119-4545	119-8785
HCZC0200	114N3604	114N3605	114N3606	MTZ22-1 MTZ22-3 MTZ22-4	MTZ22-1VI MTZ22-3VI MTZ22-4VI	N: 119-5637	N: 119-5618	N: 119-5616	N: 119-8784 Q,R: 119-5640	N: 119-4546 Q, R: 119-4545	119-4545	119-8785
HCZC0250	114N3607	114N3608	114N3609	MTZ28-1 MTZ28-3 MTZ28-4	MTZ28-1VI MTZ28-3VI MTZ28-4VI	N: 119-5636	N: 119-5619	N: 119-5616	N: 119-8784 Q,R: 119-5640	N: 119-4546 Q, R: 119-4545	119-4545	119-8785
HCZC0275	114N3610	114N3611	114N3612	MTZ36-1 MTZ36-3 MTZ36-4	MTZ36-1VI MTZ36-3VI MTZ36-4VI	N: 119-5637	N: 119-5618	N: 119-5616	N: 119-8784 Q,R: 119-5640	119-4546	119-4545	119-8785
HCZC0300	114N3614	114N3615	114N3616	MTZ40-1 MTZ40-3 MTZ40-4	MTZ40-1VI MTZ40-3VI MTZ40-4VI	N: 119-5637	N: 119-5620	N: 119-5616	N: 119-8784 Q,R: 119-5640	119-4546	119-4545	119-8785
HGZC0400	114N3617	114N3618	114N3619	MTZ50-1 MTZ50-3 MTZ50-4	MTZ50-1VI MTZ50-3VI MTZ50-4VI	N: 119-5636	N: 119-5618	N: 119-5616	N: 119-4652 Q: 119-5639 R: 119-5640	119-4549	119-4546	119-4545
HGZC0500	114N3621	114N3622	114N3623	MTZ64-1 MTZ64-3 MTZ64-4	MTZ64-1VI MTZ64-3VI MTZ64-4VI	N: 119-5635	N: 119-5620	N: 119-5616	N: 119-4652 Q: 119-5639 R: 119-5640	119-4549	119-4547	119-4545
HGZC0700		114N3626	114N3627	MTZ80-3 MTZ80-4	MTZ80-3VI MTZ80-4VI	---	---	---	Q: 119-4652 R: 119-5640	119-4549	119-4547	119-4545
HGZC0900		114N3628	114N3629	MTZ100-3 MTZ100-4	MTZ100-3VI MTZ100-4VI	---	---	---	Q: 119-4652 R: 119-5639	119-4550	119-4548	119-4545
HGZC1000		114N3631	114N3632	MTZ125-3 MTZ125-4	MTZ125-3VI MTZ125-4VI	---	---	---	Q: 119-4652 R: 119-5639	119-4550	119-4548	119-4545
HGZC1200		114N3633	114N3634	MTZ144-3 MTZ144-4	MTZ144-3VI MTZ144-4VI	---	---	---	Q: 119-4652 R: 119-5639	119-4550	119-4548	119-4545
HGZC1350		114N3636	114N3637	MTZ160-3 MTZ160-4	MTZ160-3VI MTZ160-4VI	---	---	---	Q: 119-4652 R: 119-5639	119-4550	119-4548	119-4545

Unit	Oil	Condenser kit	Low pressure switch	Fan kit	Fan cycling	Filter drier	Receiver	Sight glass	Transformer
HCZC0150	120Z0638	119-8720	060-5253	N,Q: 119-8716 R: 119-8718	060-5241	023Z5058	119-8733	014L0182	R: 119-8687
HCZC0200	120Z0638	119-8720	060-5253	N,Q: 119-8716 R: 119-8718	060-5241	023Z5058	119-8733	014L0182	R: 119-8687
HCZC0250	120Z0638	119-8726	060-5253	N,Q: 119-8716 R: 119-8718	060-5241	023Z5064	119-8733	014L0182	R: 119-8687
HCZC0275	120Z0638	119-8726	060-5253	N,Q: 119-8716 R: 119-8718	060-5241	023Z5064	119-8733	014L0182	R: 119-8687
HCZC0300	120Z0638	119-8727	060-5253	N,Q: 119-8715 R: 119-8714	060-5241	023Z5064	119-8733	014L0182	R: 119-8687
HGZC0400	120Z0638	119-8721	060-5253	N,Q: 119-8716 R: 119-8718	060-5241	023Z5067	119-8731	014L0203	R: 119-8687
HGZC0500	120Z0638	119-8722	060-5253	N,Q: 119-8715 R: 119-8714	060-5241	023Z5067	119-8732	014L0203	R: 119-8687
HGZC0700	120Z0638	119-8724	060-5253	Q: 119-8715 R: 119-8714	060-5241	023Z5067	119-8728	014L0203	R: 119-8687
HGZC0900	120Z0638	119-8725	060-5253	Q: 119-8717 R: 119-8719	060-5241	023Z5067	119-8729	014L0203	R: 119-8687
HGZC1000	120Z0638	119-8725	060-5253	Q: 119-8717 R: 119-8719	060-5241	023Z5067	119-8729	014L0203	R: 119-8687
HGZC1200	120Z0638	119-8725	060-5253	Q: 119-8717 R: 119-8719	060-5241	023Z5067	119-8729	014L0203	R: 119-8687
HGZC1350	120Z0638	119-8725	060-5253	Q: 119-8717 R: 119-8719	060-5241	023Z5067	119-8730	014L0203	R: 119-8687

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Optyma™ condensing unit R404A/R507 - LBP

Unit	N	Q	R	Compressor					Contactor	Service valve		
				Model no	Code number	Start capacitor	Run Capacitor	Start Relay		Suction	Discharge	Receiver valve
LCHC0151	114N6725	114N6726		N: NTZ048A1 Q: NTZ048A3	N: 120F0293 Q: 120F0279	N: 119-5637	N: 119-5618	N: 119-5616	N: 119-8784 Q: 119-5640	119-4546	119-4545	119-8785
LCHC0201	114N6729	114N6730	114N6731	N: NTZ068A1 Q: NTZ068A3 R: NTZ068A4	N: 120F0294 Q: 120F0280 R: 120F0230	N: 119-5636	N: 119-5619	N: 119-5616	N: 119-8784 Q,R: 119-5640	119-4546	119-4545	119-8785
LCHC0301	114N6733	114N6734		N: NTZ108A1 Q: NTZ108A3	N: 120F0296 Q: 120F0282	N: 119-5636	N: 119-5618	N: 119-5616	N: 119-8784 Q: 119-5640	119-4549	119-4546	119-8785
LGHC0401	114N6737	114N6738	114N6739	N: NTZ136A1 Q: NTZ136A3 R: NTZ136A4	N: 120F0297 Q: 120F0283 R: 120F0236	N: 119-5636	N: 119-5618	N: 119-5616	N: 119-4652 Q: 119-5639 R: 119-5640	119-4549	119-4546	119-4545
LGHC0601		114N6741	114N6742	Q: NTZ215A1 R: NTZ215A3	N: 120F0284 Q: 120F0240	---	---	---	Q: 119-4652 R: 119-5639	119-4550	119-4547	119-4545
LGHC0751		114N6744	114N6745	Q: NTZ271A1 R: NTZ271A3	N: 120F0285 Q: 120F0242	---	---	---	Q: 119-4652 R: 119-5639	119-4550	119-4547	119-4545

Unit	Oil	Condenser kit	pressure switch	Fan kit	Fan cycling	Filter drier	Receiver	Sight glass	Transformer
LCHC0151	120Z0638	119-8720	060-5249	119-8716	060-5241	023Z5058	119-8733	014L0182	---
LCHC0201	120Z0638	119-8720	060-5249	N,Q: 119-8716 R: 119-8718	060-5241	023Z5058	119-8733	014L0182	R: 119-8687
LCHC0301	120Z0638	119-8726	060-5249	119-8716	060-5241	023Z5064	119-8733	014L0182	---
LGHC0401	120Z0638	119-8721	060-5249	N,Q: 119-8716 R: 119-8718	060-5241	023Z5067	119-8731	014L0203	R: 119-8687
LGHC0601	120Z0638	119-8723	060-5249	Q: 119-8715 R: 119-8714	060-5241	023Z5067	119-8728	014L0203	R: 119-8687
LGHC0751	120Z0638	119-8723	060-5249	Q: 119-8715 R: 119-8714	060-5241	023Z5067	119-8728	014L0203	R: 119-8687

Optyma™ condensing unit R448A / R449A – H/MBP

Code no	Compressor			Fan Motor	Fan Blade	Condenser	Low Pressure Switch	Fan Cycling	Start Capacitor	Run Capacitor	Relay	LP Hose	HP Hose FC Hose
	Model No	Model	Code No										
114N2088 114N2107	OP-HCYC0075RC0001N OP-HCYC0075RC0002N	MPT14RF	123B2543	119-5665	119-5672	119-9260	N/A	N/A	123B9321	123B9208	123B9160	N/A	N/A
114N2089 114N2108	OP-HCYC0100RC0001N OP-HCYC0100RC0002N	MX18TGa	123B2541	119-5665	119-5672	119-9260	N/A	N/A	123B9304	123B9203	123B9159	N/A	N/A
114N2102 114N2109	OP-HCYC0075RC0001B OP-HCYC0075RC0002B	MPT14RD	123B2544	119-5663	119-5672	119-9260	N/A	N/A	123B9324	123B9221	123B9140	N/A	N/A

Optyma™ condensing unit R290 – L/MBP

Compressor				Fan Motor	Fan Blade	Condenser	Low Pressure Switch	Fan Cycling	Start Capacitor	Run Capacitor	Relay	LP Hose	HP Hose FC Hose
Code no	Model No	Model	Code No										
114N2090	OP-MCNC0015RDF600B	NBC30NR	123B8311	119-9246	N/A	119-9240	N/A	N/A	123B9323	N/A	123B9182	N/A	N/A
114N2117	OP-MCNC0015RDF602B												
114N2092	OP-MCNC0020RDF600B	NUT55LRb	125B3165	119-9246	N/A	119-9240	N/A	N/A	123B9328	123B9216	123B9189	N/A	N/A
114N2119	OP-MCNC0020RDF602B												
114N2097	OP-MCNC0033RWA000B	DLE6.5CN	119-9349	119-9344	119-9252	119-9242	N/A	N/A	119-7769	N/A	119-9357	N/A	N/A
114N2123	OP-MCNC0033RWA002B												
114N2094	OP-MCNC0050RDF600B	NLY12NRb	123B3304	119-9247	119-5672	119-8703	N/A	N/A	123B9314	123B9216	123B9187	N/A	N/A
114N2121	OP-MCNC0050RDF602B												
114N2091	OP-MCNC0050RWA000B	NLY12NRb	123B3304	119-9247	119-5672	119-8703	N/A	N/A	123B9314	123B9216	123B9187	N/A	N/A
114N2118	OP-MCNC0050RWA002B												
114N2095	OP-MCNC0075RDF600B	NPT14ND	123B3328	119-9247	119-5672	119-8703	N/A	N/A	123B9328	123B9227	123B9143	N/A	N/A
114N2122	OP-MCNC0075RDF602B												
114N2098	OP-MCNC0075RWA000B	NPT14ND	123B3328	119-9247	119-5672	119-8703	N/A	N/A	123B9328	123B9227	123B9143	N/A	N/A
114N2124	OP-MCNC0075RWA002B												
114N2099	OP-MCNC0075RWA000N	SCE15MNX	119-9347	119-9247	119-5672	119-8703	N/A	N/A	119-9348	N/A	119-9348	N/A	N/A
114N2125	OP-MCNC0075RWA002N												
114N2100	OP-MCNC0100RWA000B	SCE18MNX	119-9345	119-9247	119-5674	119-5642	N/A	N/A	119-9346	N/A	119-9346	N/A	N/A
114N2126	OP-MCNC0100RWA002B												
114N2101	OP-MCNC0100RWA000N	NPT16NF	123B3326	119-9247	119-5674	119-5642	N/A	N/A	123B9302	123B9222	123B9160	N/A	N/A
114N2127	OP-MCNC0100RWA002N												
114N2104	OP-LCNC0075RDF600B	NPT16LR	123B3165	119-9348	119-5670	119-5626	N/A	N/A	123B9329	123B9221	123B9143	N/A	N/A

NOTE: 119-9348 and 119-9346 included all electrical kit service

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Spare Part Number	Raw material	Spare Part Description
119-8786	101Z0203	Service Kit BD50F 12/24VDC - R134a
119-8787	104L2853	Service Kit SC15CL 220V
119-8788	105G5954	Service Kit NF11FX2 115V
119-8789	191U196000	Service Kit NT6217Z 115V R134a
119-8027	191U197900	Service Kit NT6215Z 115V R134a
119-8028	191U196300	Service Kit NJ6220Z 115V R134a
119-8029	191U196400	Service Kit NJ6220Z 208-230V R134a
119-8030	191U197400	Service Kit NJ6226Z 208-230V R134a
119-8031	191U196700	Service Kit NT2178GK 115V R404A
119-8032	191U196800	Service Kit NT2178GK 208-230V R404A
119-8033	191U197300	NJ2192GK 208-230V/60Hz/1PH R404A
119-8034	191U197000	NT6220GK 208-230V/60Hz/1PH R404A
119-8035	191U197200	NT6222GKV 208-230V/60Hz/1PH R404A
195B0059	104G8820	SC18G Universal R134A 220-240V 50/60Hz
195B0061	104L1603	SC12CL LBP R404A/R507 115V 60Hz
195B0099	104G7550	SC15G Universal R134A 115V 60Hz
195B0147	104L1503	KIT SC10CLX 115V R404A/R507 60HZ LBP/MBP
195B0237	104L1853	SERVICE-Kit SC15CLX.2 115V 60HZ R404A
195B0276	104G7800	Kit SC18G 115V 60HZ R134A
195B0306	104L2105	SERVICE-Kit SC18MLX 115V 60Hz R404A
195B0348	105F1612	SERVICE-Kit NF 5.5 CLX 115 V
195B0491	104L1696	SERVICE-Kit SC12CLX2 115V/60Hz
195B0510	104L1606	SERVICE-Kit SC12MLX 115V 60HZ R404A
195B0671	104L2536	SERVICE-Kit SC10CLX 208-230
195B0304	105F1727	NF7CLX 115V steel connectors
195B0388	105G5958	SERVICE-Kit NF 11 FX
195B0411	105G6665	NL6.1 MF 50/60Hz steel connectors
195B0468	102U2122	KIT TF4CLX COMPRESSOR 115V/60Hz
195B0560	105G5639	SERVICE-Kit NF6.1FX2 115V - P-T#6.5/S#
195B0586	105G5737	SERVICE-Kit NF 7.3 FX2 115 V
195B0672	105F1728	NF7CLX 115V steel connectors
119-5622	119-3158A	SP - CONDENSER AC 026T/3R/3/8"S 07FPI
119-5626	119-3169	SP - CONDENSER AC 024T/3R/5/16"R 07FPI
119-5629	119-3170	SP - CONDENSER AC 026T/3R/5/16"R 07FPI
119-5642	119-3175	SP - CONDENSER AC 052T/4R/5/16"R 09FPI
119-5643	119-3176	SP - CONDENSER AC 016T/2R/5/16"R 07FPI
119-5644	119-3177	SP - CONDENSER AC 032T/3R/5/16"R 07FPI
119-5645	119-3181	SP - CONDENSER AC 048T/4R/3/8"C 10FPI
119-5647	119-3182A	SP - CONDENSER AC 060T/4R/3/8"S 10FPI
119-5648	119-8127	SP - Condenser AC 20T/2R/ 5/16"OD 12FPI
119-8702	119-3171	SP - CONDENSER AC 036T/4R/5/16"R 07FPI
119-8703	119-3172	SP - CONDENSER AC 044T/4R/5/16"R 07FPI
119-5669	119-3303	SP - FAN BLADE AL 9"x22°x5 - CCW
119-5670	119-3306	SP - FAN BLADE AL 8"x30°x5 - CCW
119-5671	119-3309	SP - FAN BLADE AL 8"x22°x5 - CCW
119-5672	119-3311	SP - FAN BLADE AL 10"x34°x5 - CCW
119-5674	191U139700	SP - FAN BLADE AL 12"x24°x5 - CCW
119-5679	119-3624	SP - FAN GUARD 9" SQR BLK
119-5680	119-3625	SP - FAN GUARD 8" SQR BLK
119-5682	119-3637	SP - FAN GUARD 10" SQR BLK
119-5683	119-3639	SP - FAN GUARD 12" RND BLK
119-5684	191U138110	SP - FAN GUARD 12" RND BLK
119-5659	7605518	SP - FAN MOTOR 1/15HP 208-230V/50-60Hz
119-5660	7605521	SP - FAN MOTOR 1/15HP 115V/50-60Hz
119-5661	119-3250	SP - FAN MOTOR 5W 115V/60Hz
119-5662	119-3256	SP - FAN MOTOR 9W 115V/60Hz
119-5663	119-3257	SP - FAN MOTOR 16W 115V/60Hz
119-5664	119-3258	SP - FAN MOTOR 9W 230V/60Hz
119-5665	119-3260	SP - FAN MOTOR 16W 230V/60Hz
119-5649	119-8128	SP - Fan Motor 24VDC 5214NH 127x38mm

Spare Part Number	Raw material	Spare Part Description
023Z5013	023Z5013	Filter drier DCL 032S M/32
023Z8128	023Z8128	Filter drier DCL 032SX2/3mm I/28
023Z8129	023Z8129	Filter drier DML 032SX2/2S I/28
023Z8252	023Z8252	Filter drier DCL 1.52SXL/2.8mm I/36
119-8544	119-8308	SP - Capillary Hose .6 mts Red
119-8543	119-8200	SP - Capillary Hose .6 mts Blue
032F5043	032F5043	EVU2 Valve ODF-ODF 1/4-1/4in I-pack 40
042N4233	042N4233	Coil AY120C 110-120V 50/60Hz Ext. Frame
068-2010	068-2010	Orifice No 01 for T/TE 2
068Z3400	068Z3400	T 2 Therm. exp. valve Flare/Flare
119-5650	101N0213	SP - Electronic Module 2G - BD35/50F
119-5651	119-5400	SP - Crankcase Heater 120V (belly band)
060-117191	060-117191	KP5 Pressure Switch M/36
060-5231	060-5231	KPU1 Pressure Switch M/14
060-5249	060-5249	KPU15B Pressure Switch M/14
061F6050	061F6050	ACB Cartridge Switch 2UB215W I/100
061F7506	061F7506	ACB Cartridge Switch 2UB506W I/20
061F7520	061F7520	ACB Cartridge Switch 2UA520W I/20
061F8490	061F8490	ACB Cartridge Switch 2UA392W I/20
119-5652	119-3322	SP - Liquid Receiver 0.028 ft^3 (UL)
119-5654	119-3323	SP - Liquid Receiver 0.038 ft^3 (UL)
119-5655	119-3324	SP - Liquid Receiver 0.056 ft^3 (UL)
119-5657	119-3643	SP - Receiver 0.4 L UL BK 2.5"ODx5"
119-5658	119-3670	SP - Receiver UL BK 2.5" OD x 5"
119-5666	119-3671A	SP - Receiver UL BK 3"ODx9"
119-7757	117-7441	SP - STARTING RELAY SC 115V/60Hz
119-7758	117U4061	SP - STARTING RELAY NL/FF 115V/60Hz
119-7759	117U4123	SP - STARTING RELAY NF 115V/60Hz
119-7760	117U4127	SP - STARTING RELAY NF 115V/60Hz
119-7761	117U4129	SP - STARTING RELAY NF 115V/60Hz
119-7762	117U4148	SP - STARTING RELAY TF 115V/60Hz
119-7764	117U6005	SP - STARTING RELAY SC 220V/50Hz
119-7766	117U6020	SP - STARTING RELAY SC 115V/60Hz
119-5667	117U4151	SP - STARTING RELAY NF 115V/60Hz
119-5675	117U6015	SP - Starting Relay FR
119-5676	117U6019	SP - Starting Relay SC 50/60 Hz
119-5677	119-8131	SP - Solid State Relay 3.5-32VDC 3A
119-7772	117-7114	SP - RUN CAPACITOR 23.5 MFD 190 VAC
014L0181	014L0181	SGP 6s N Sight Glass M/25x4
119-7767	117U5019	SP - ST. CAPACITOR 80 MFD 330 VAC
119-7768	117U5022	SP - ST. CAPACITOR 320 MFD 125 VAC
119-7769	117U5023	SP - ST. CAPACITOR 240 MFD 125 VAC
119-7770	117U5025	SP - ST. CAPACITOR 280 MFD 125 VAC
119-7771	117U5028	SP - ST. CAPACITOR 410 MFD 125 VAC
119-5678	117U5015	SP - START CAPACITOR 80 mfd
119-5685	119-3609A	SP - VALVE BM 1/4"xF 1/4"x5/16"
119-5686	119-3610A	SP - VALVE BM F 1/4"xF 3/8"x5/16"
119-5687	119-3978B	SP - VALVE BM F 1/2"xF 1/4"x3/8"
119-8790	119-7079	SP - FAN MOTOR 9W 115V/60Hz

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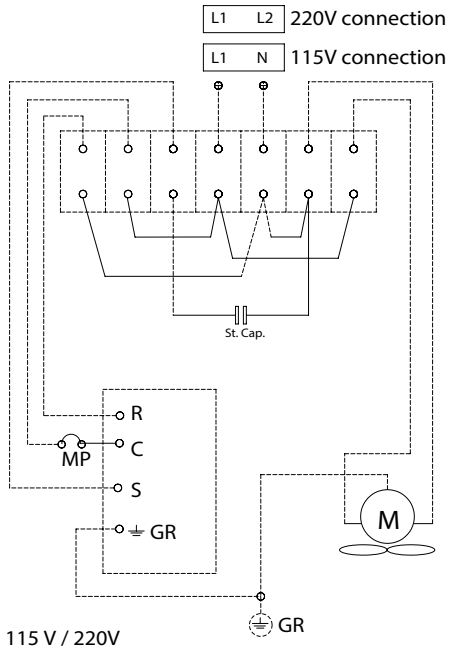
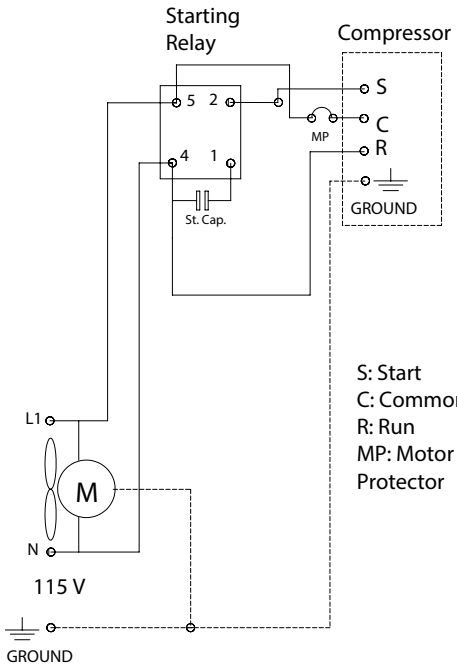
Wiring Diagram 119-3375



* Heater not shown
Use 14AWG black wire for connections

Ver 2

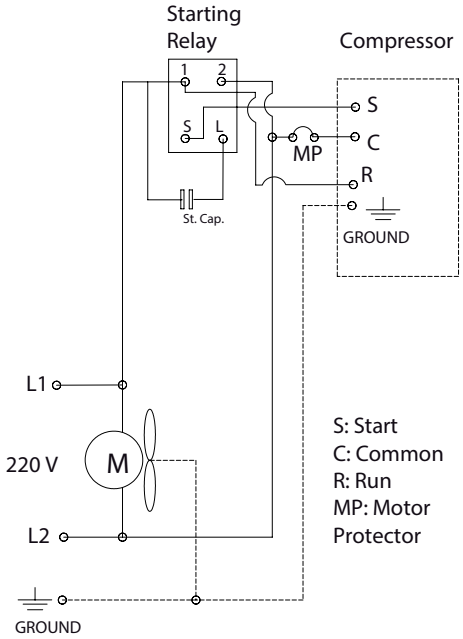
Wiring Diagram 119-3983



* Heater not shown

Ver 6

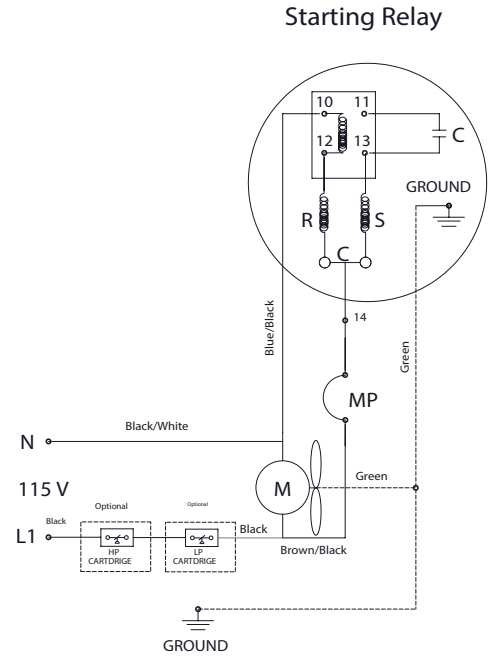
Wiring Diagram 119-3985



* Heater not shown

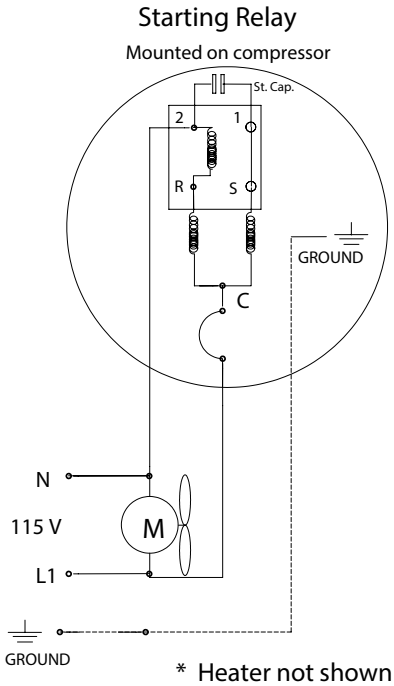
Ver 6

Wiring Diagram 119-3987



*Power cord optional

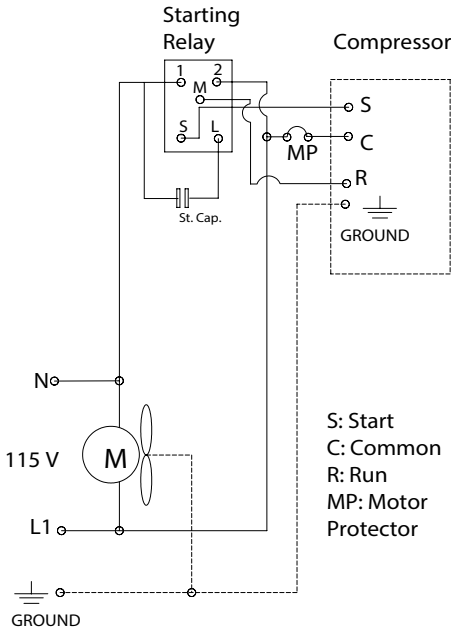
Wiring Diagram 119-3988



* Heater not shown

Ver 5

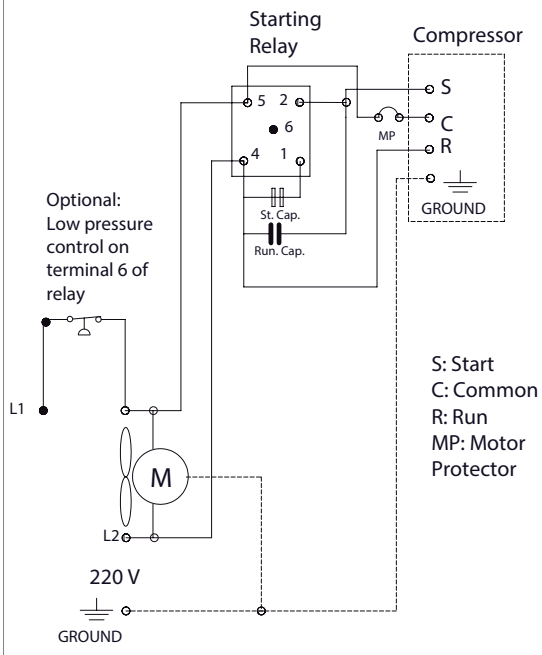
Wiring Diagram 119-3989



* Heater not shown

Ver 7

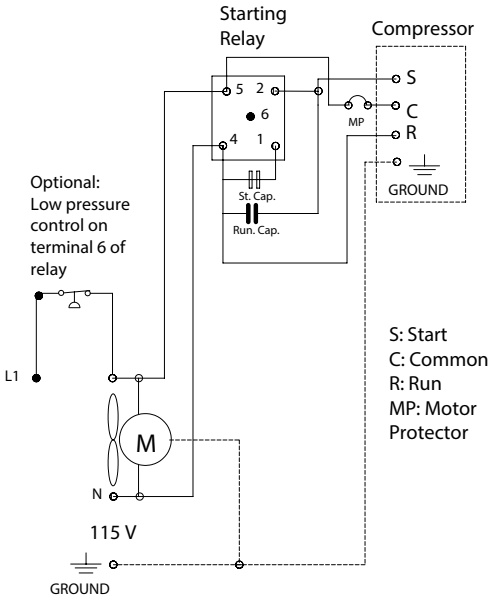
Wiring Diagram 119-3990



* Heater not shown

Ver 7

Wiring Diagram 119-3992



* Heater not shown

Ver 7

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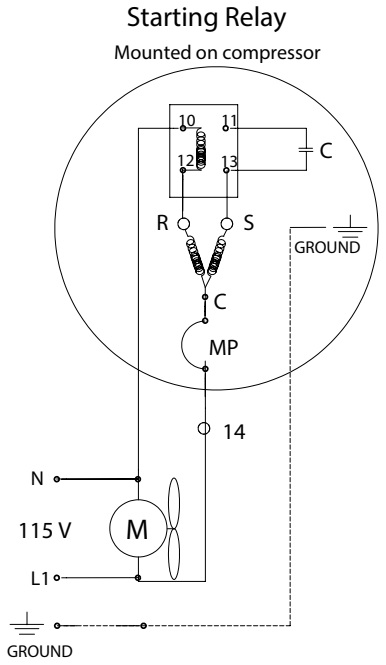
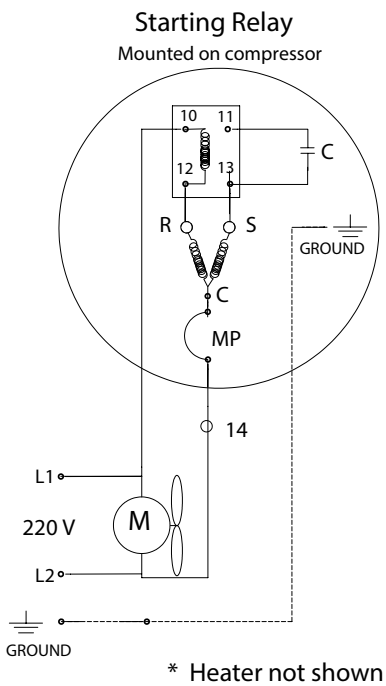
Wiring Diagram 119-3993



* Heater not shown

Ver 5

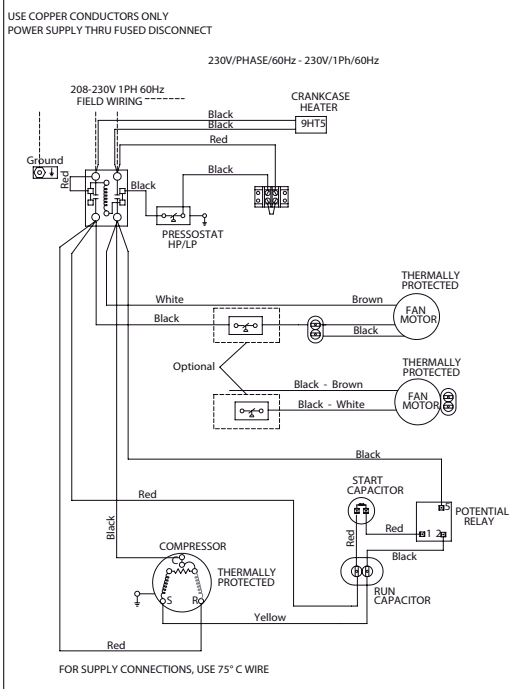
Wiring Diagram 119-3995



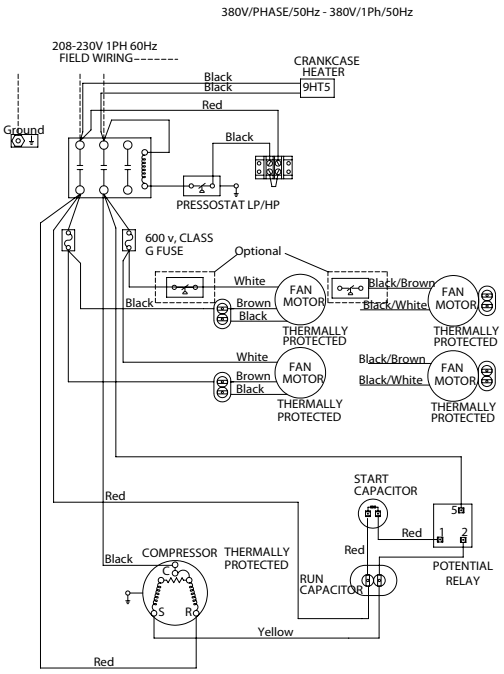
* Heater not shown

Ver 5

Wiring Diagram 119-6401

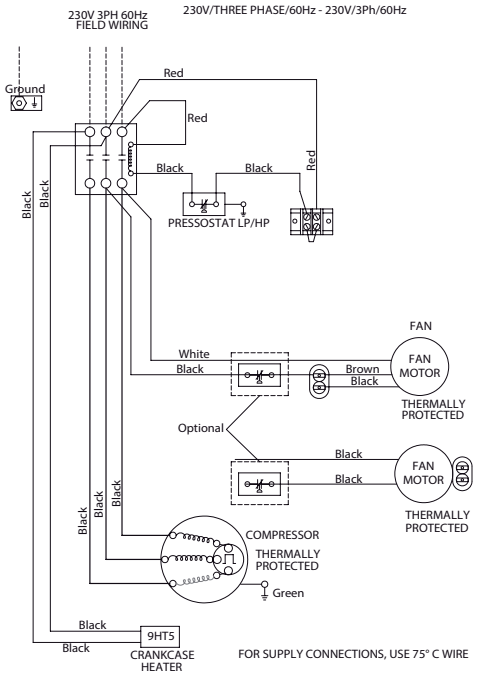


Wiring Diagram 119-6402

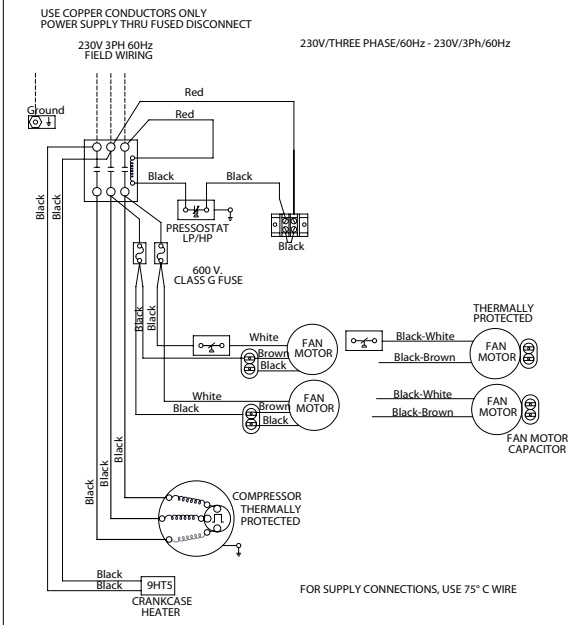


Wiring Diagram 119-6403

USE COPPER CONDUCTORS ONLY
POWER SUPPLY THRU FUSED DISCONNECT

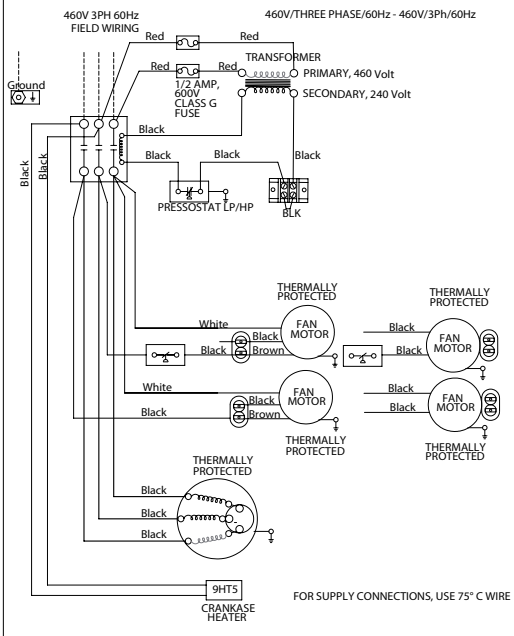


Wiring Diagram 119-6404

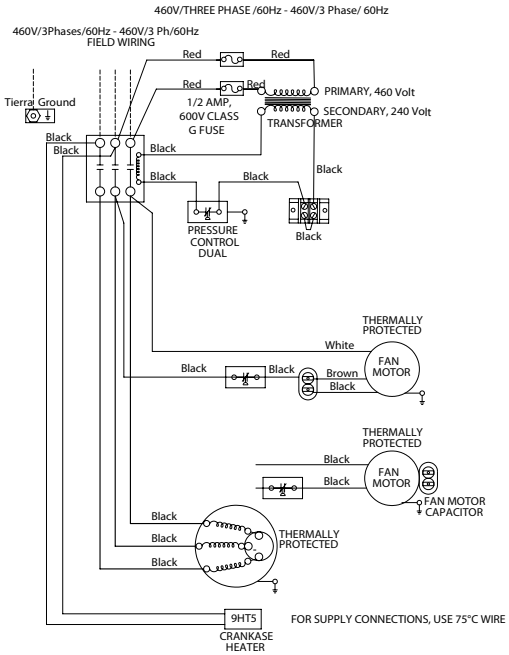


Wiring Diagram 119-6405

USE COPPER CONDUCTORS ONLY
POWER SUPPLY THRU FUSED DISCONNECT



Wiring Diagram 119-6406



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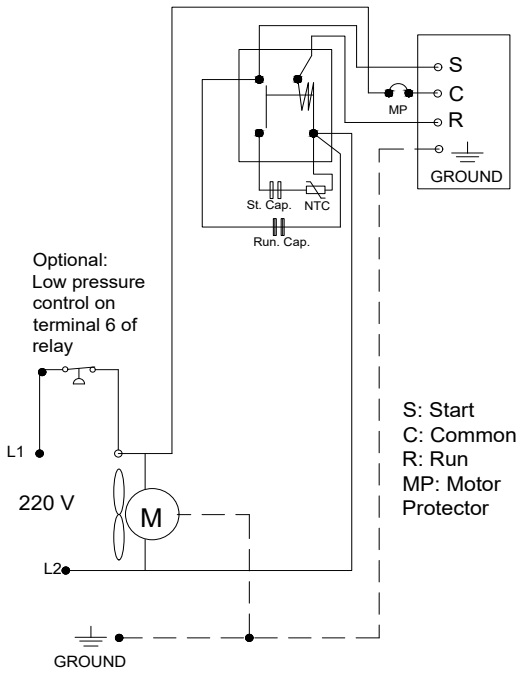
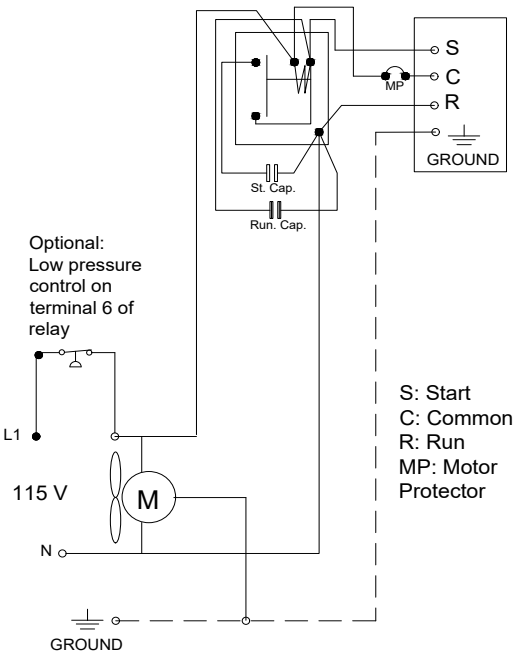
Wiring Diagram 119-9231



* Heater not shown

REV. AA

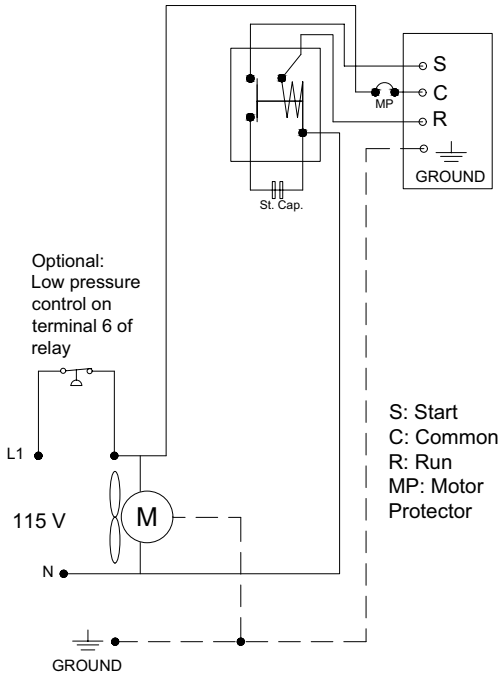
Wiring Diagram 119-9233



* Heater not shown

REV. AB

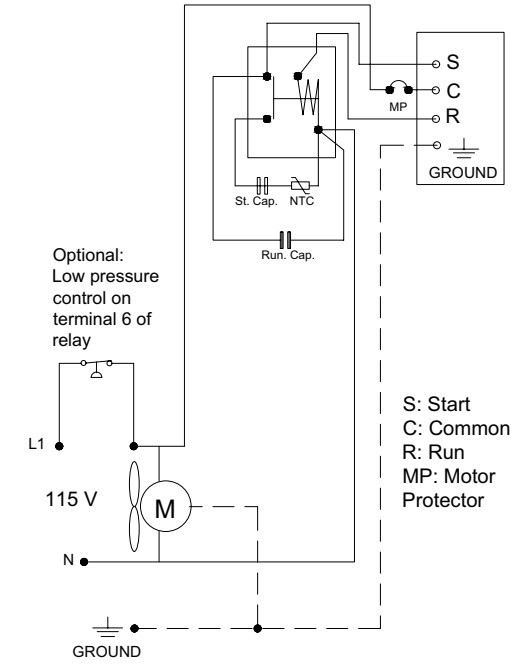
Wiring Diagram 119-9261



* Heater not shown

REV. AB

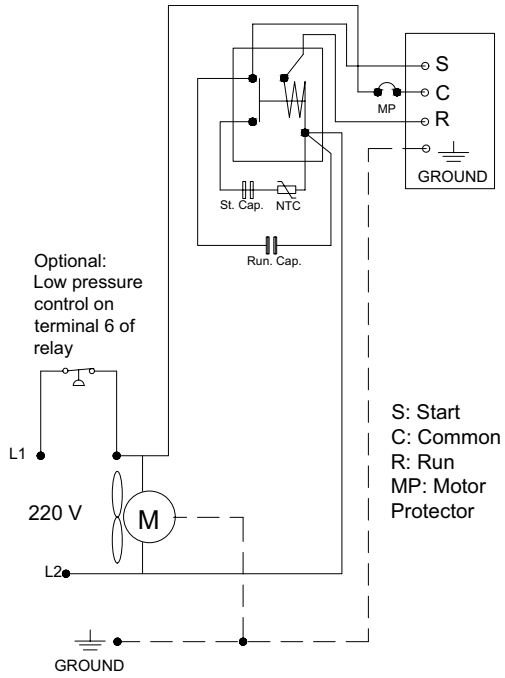
Wiring Diagram 119-9262



* Heater not shown

REV. AB

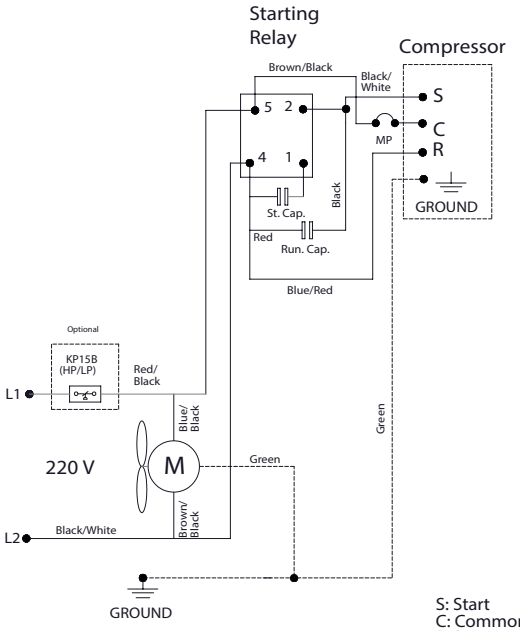
Wiring Diagram 119-9263



REV. AB

Wiring Diagram 119-3990

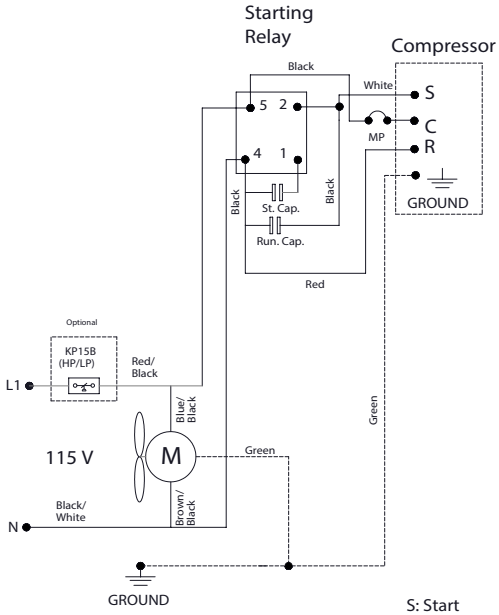
Wiring Diagram for SC/NJ compressor 220V



-Power cord optional
-Run Capacitor optional

Wiring Diagram 119-3992

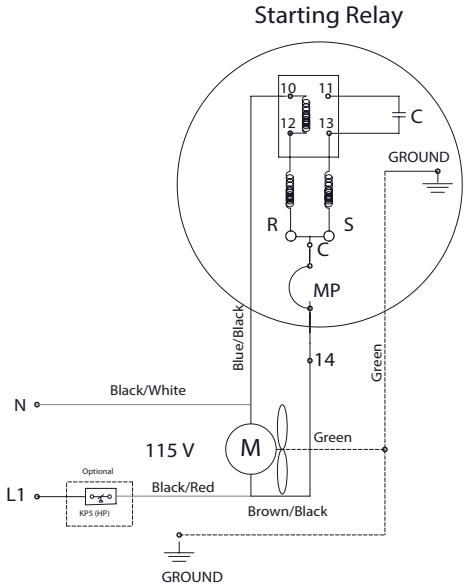
Wiring Diagram for SC/NT/NJ compressor 115V



-Power cord optional
-Run Capacitor optional
-HP/LP catridges could replace KP15B

Wiring Diagram 119-3993

Wiring diagram for TL/SC compressors 115V



*Power cord optional

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Figure 1

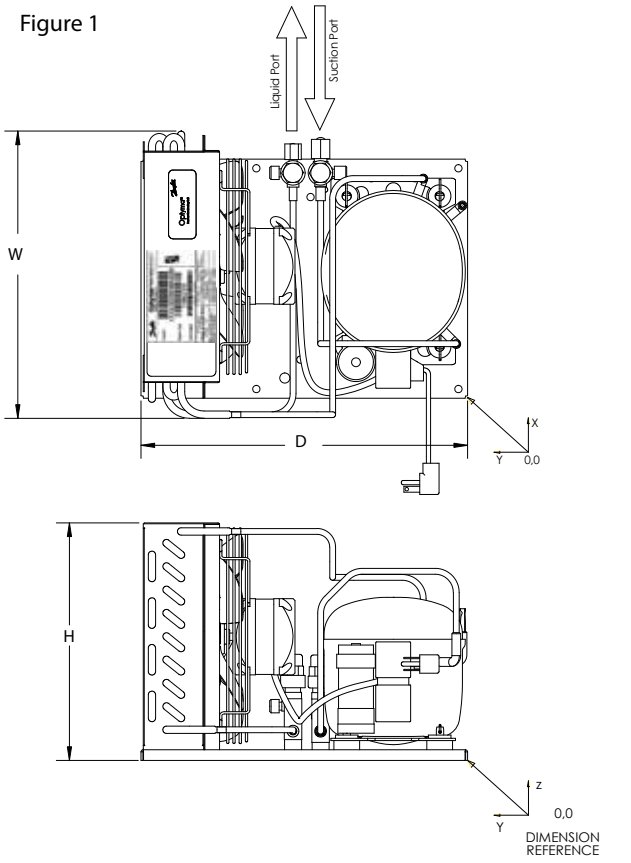

Figure 2

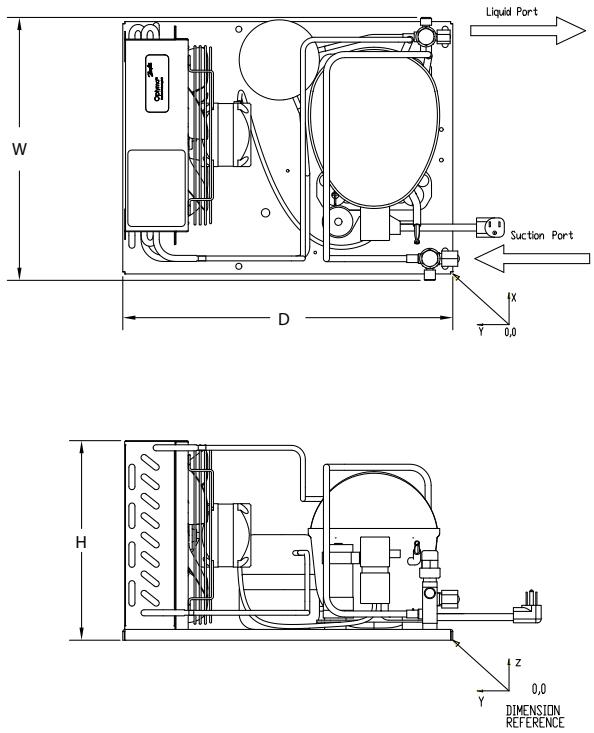

Figure 3

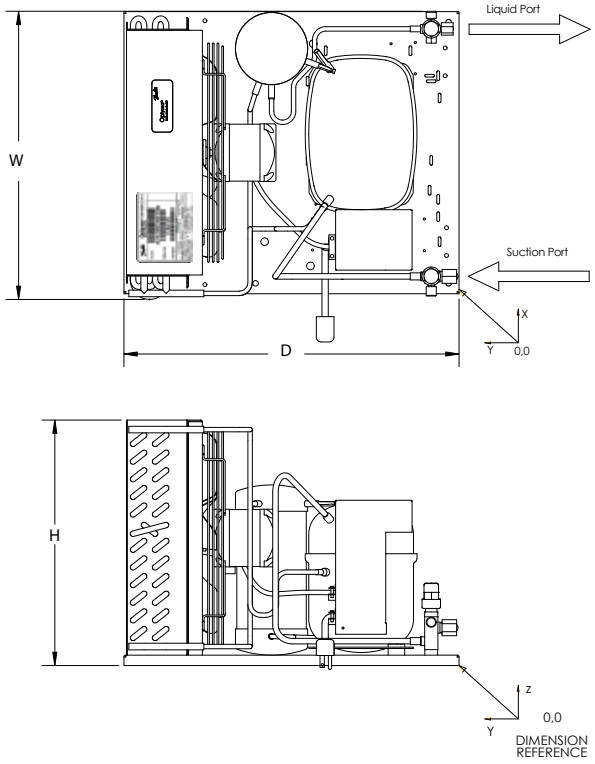

Figure 4

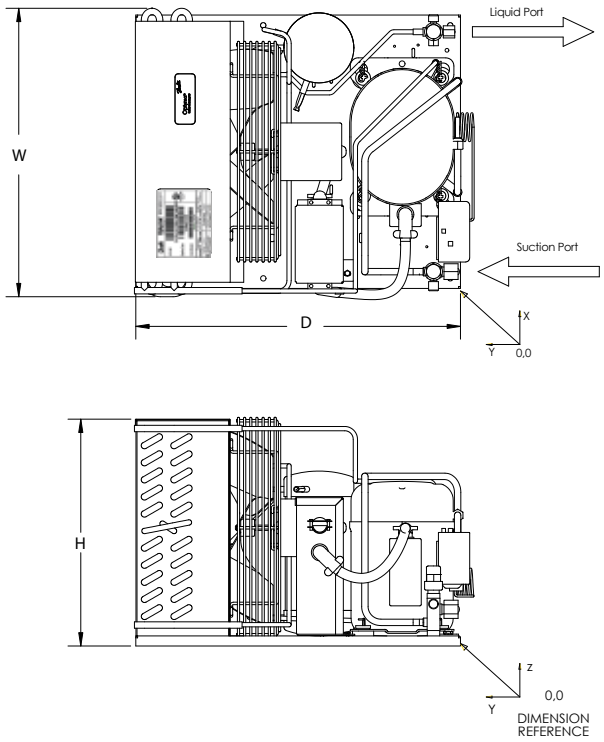

Figure 5

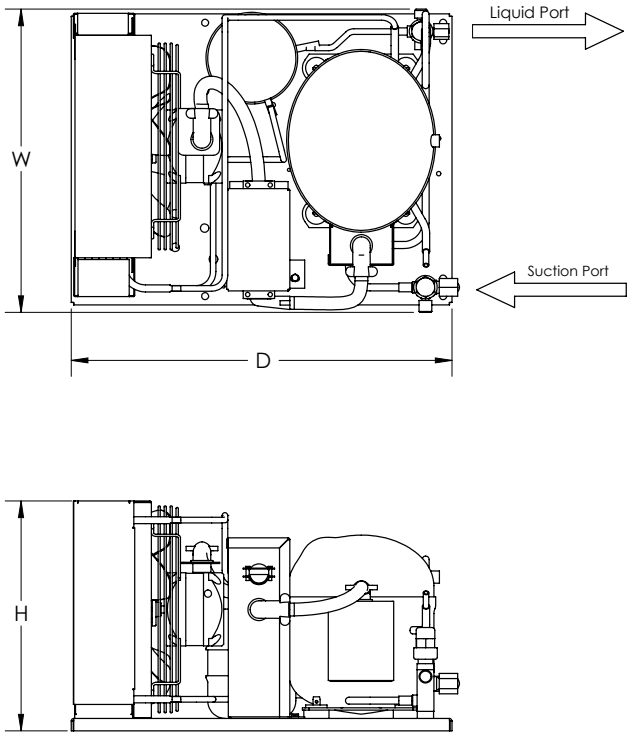

Figure 6a

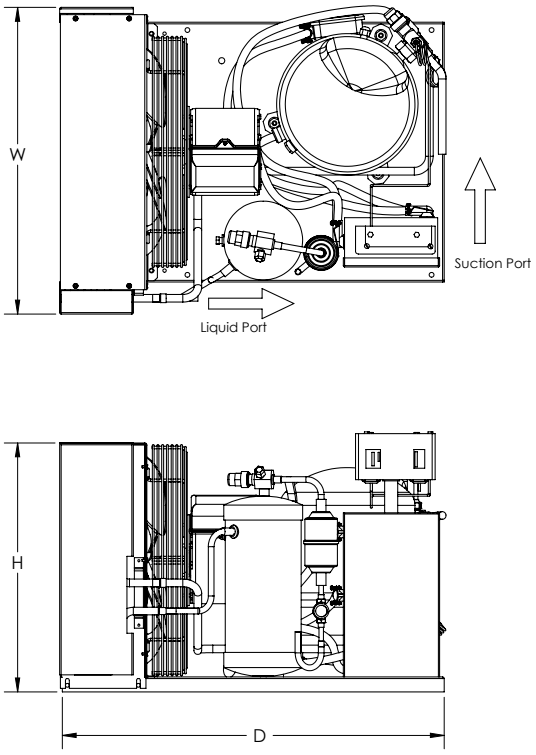

Figure 7a

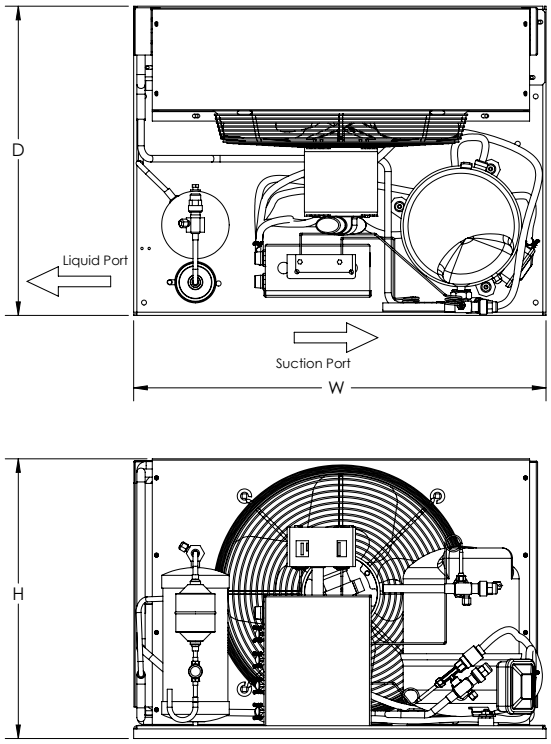

Figure 8a

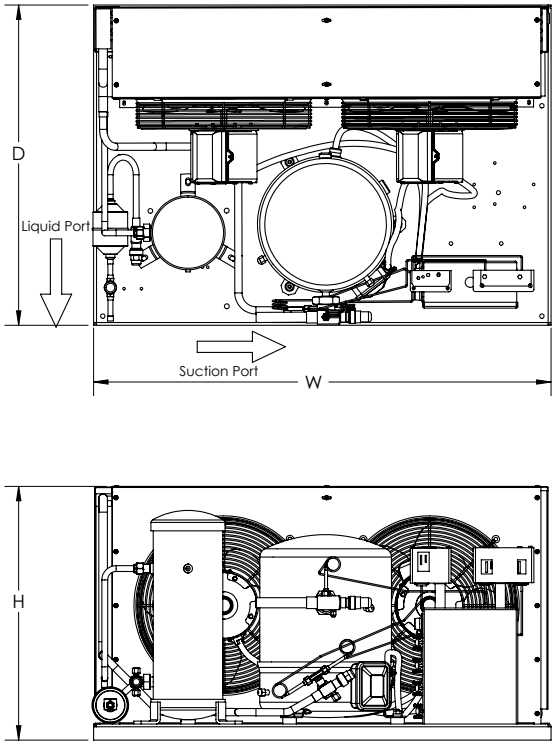

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Figure 9a

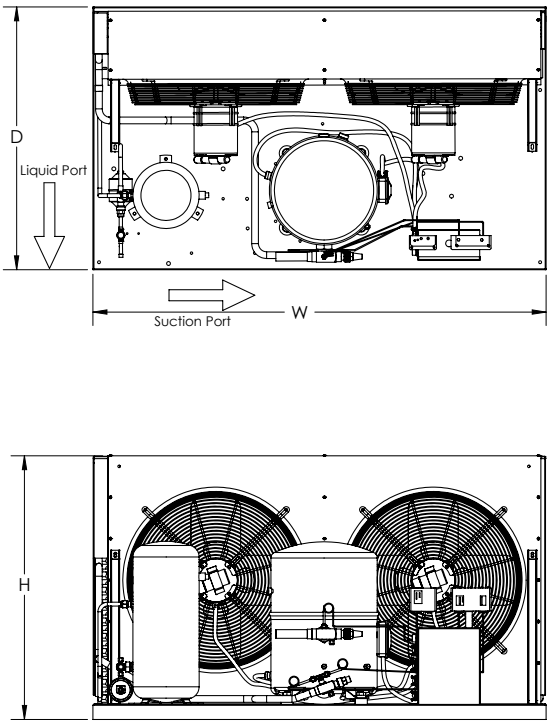


Figure 10a

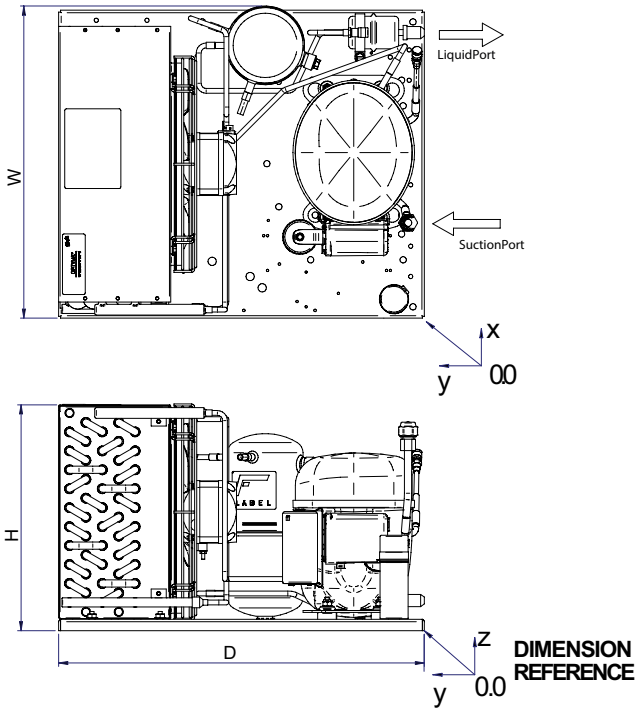


Figure 11a

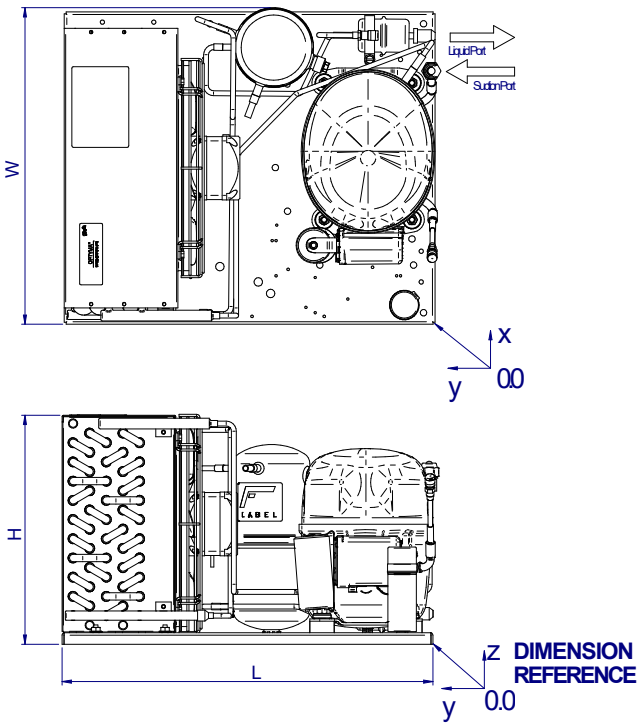


Figure 12a

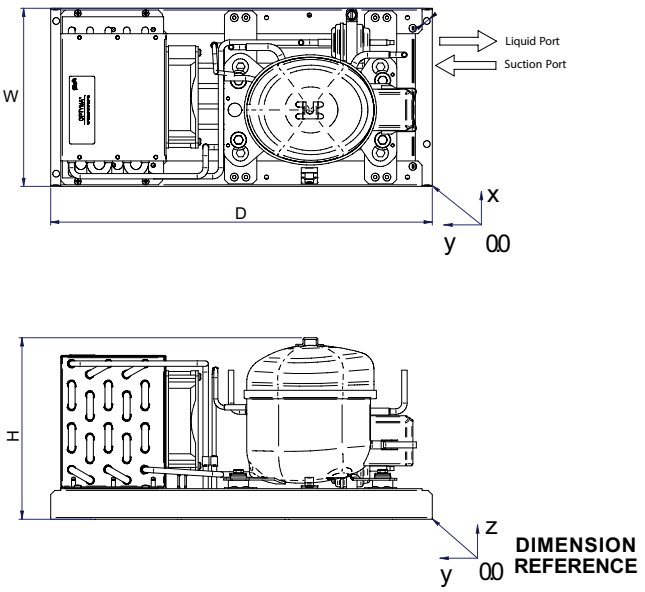


Figure 13a

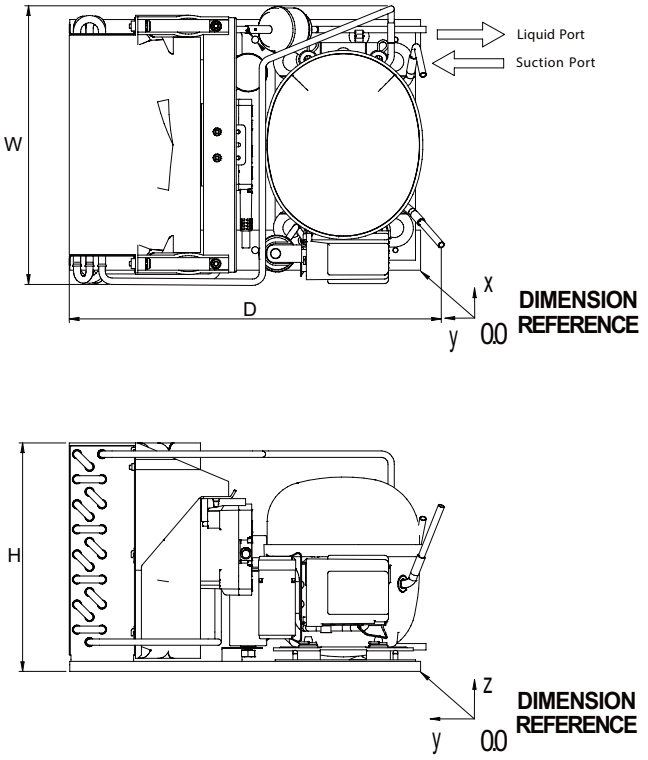


Figure 14a

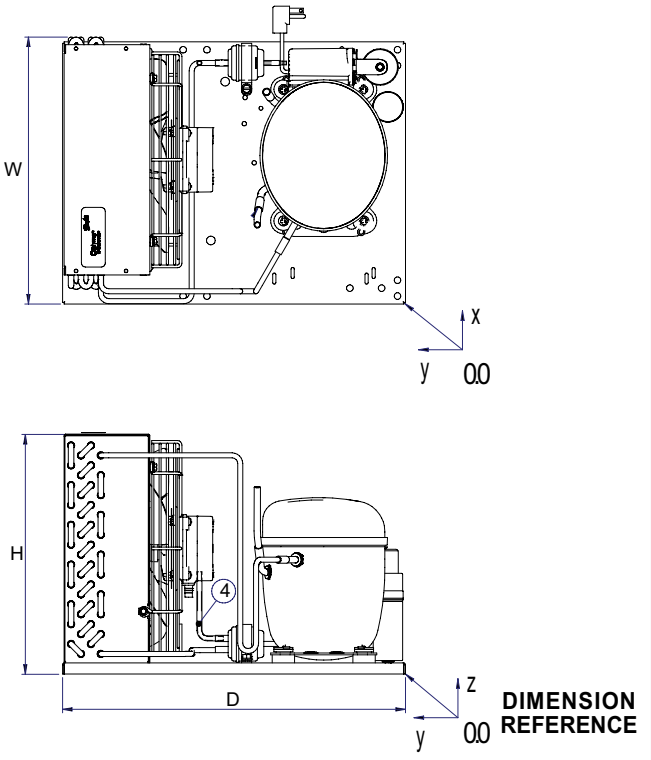


Figure 15a

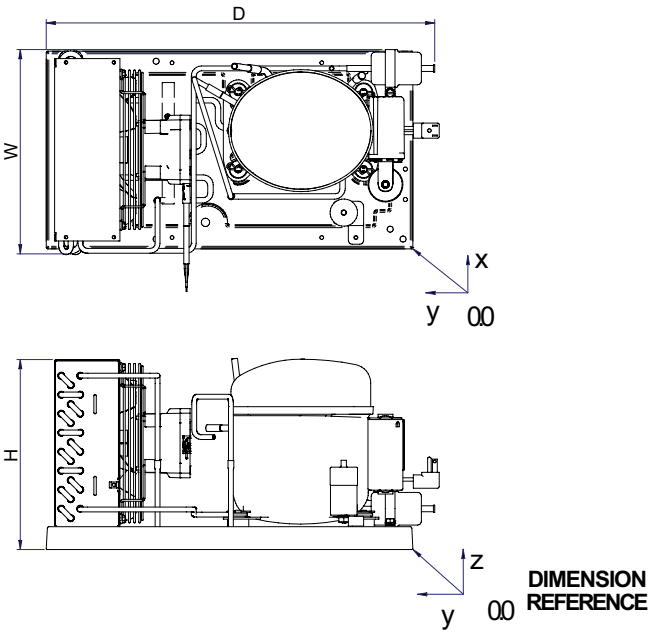
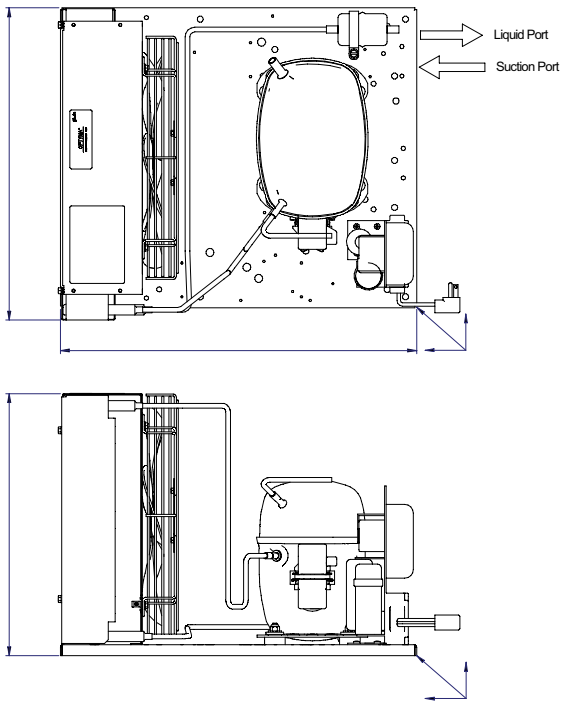


Figure 16a



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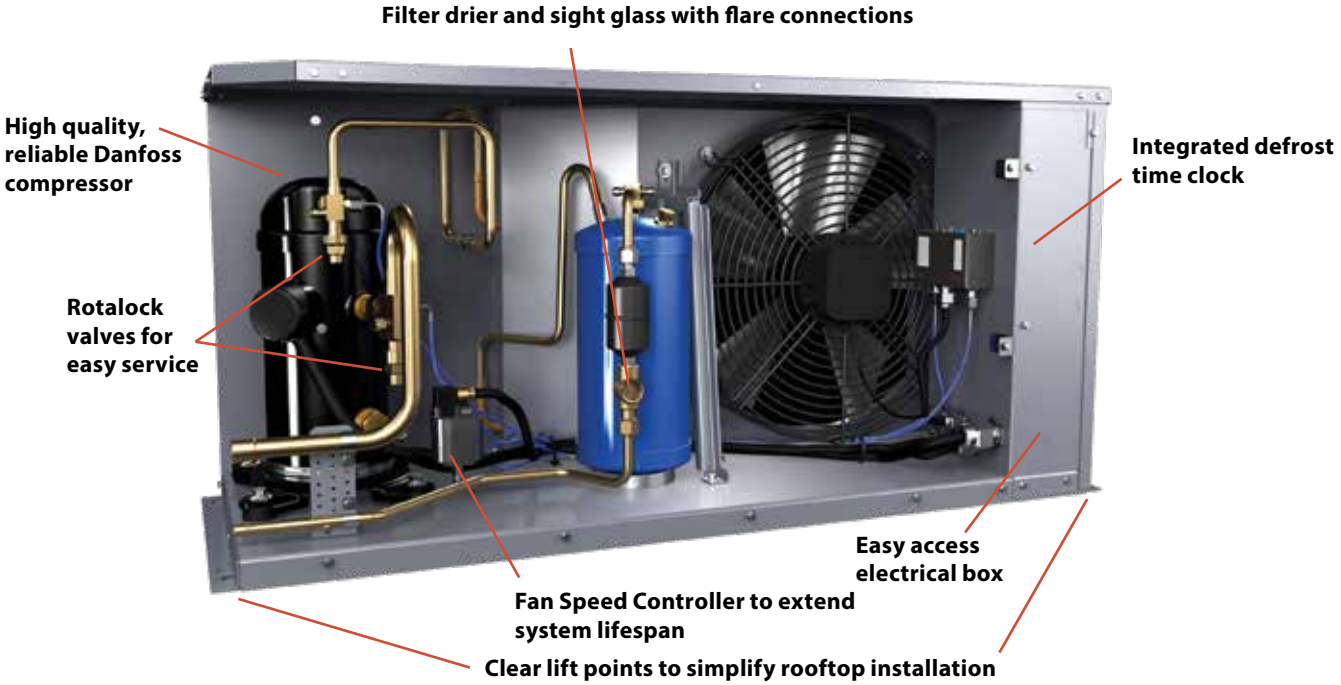
Filter drier and sight glass with flare connections
High quality, reliable Danfoss compressor
Integrated defrost time clock
Rotalock valves for easy service
Easy access electrical box
Fan Speed Controller to extend system lifespan
Clear lift points to simplify rooftop installation

Easy to clean, durable microchannel coil

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature							Power consumption [W] at evap. temp. 25°F	Power consumption [W] at evap. temp. 20°F	AWEF*
						°F	10	15	20	25	30	35	40			
Single fan	OP-HJZM0150	WG	N Q	114N3485 114N3486	MTZ18	90	7668	8819	10040	11330	12680	14100	15590	1705	1629	8.19
						95	7224	8330	9503	10740	12040	13410	14830			
						100	6791	7852	8978	10170	11420	12720	14090			
						110	-	6929	7960	9049	10190	11390	12640			
						115	-	6484	7469	8508	9599	10740	11930			
	OP-HNXM0200	WG	N Q	114N3487 114N3488	MLZ15	90	12910	14400	15990	17690	19490	21400	23430	2408	2357	8.44 8.77
						95	12460	13900	15430	17070	18810	20650	22610			
						100	12010	13390	14870	16450	18120	19900	21780			
						110	-	12370	13730	15190	16730	18370	20110			
						115	-	11850	13160	14550	16030	17600	19270			
	OP-HNXM0250	WG	N Q	114N3489 114N3490	MLZ19	90	16790	18660	20650	22770	25020	27390	29900	3013	2944	8.79 9.19
						95	16240	18040	19960	22000	24170	26460	28870			
						100	15690	17420	19260	21230	23310	25510	27830			
						110	-	16140	17840	19640	21560	23580	25730			
						115	-	15480	17110	18840	20670	22610	24660			
	OP-HNXM0300	WG	N Q	114N3491 114N3492	MLZ21	90	17760	19770	21910	24180	26580	29120	31800	3174	3097	8.92 9.24
						95	17130	19070	21130	23320	25630	28080	30660			
						100	16490	18360	20340	22440	24670	27030	29510			
						110	-	16900	18730	20660	22710	24880	27170			
						115	-	16160	17900	19750	21710	23790	25980			
	OP-HNXM0350	WG	N Q	114N3493 114N3494	MLZ26	90	22170	24600	27190	29960	32890	35990	39270	3826	3730	9.22 9.87
						95	21400	23740	26230	28890	31700	34690	37840			
						100	20620	22860	25250	27800	30500	33360	36390			
						110	-	21060	23240	25560	28030	30650	33420			
						115	-	20140	22210	24420	26770	29260	31900			
	OP-HNXM0400	WG	N Q	114N3495 114N3496	MLZ30	90	26300	29140	32180	35420	38860	42510	46370	4455	4336	9.40 9.80
						95	25260	28000	30920	34040	37360	40890	44610			
						100	24200	26830	29640	32640	35830	39220	42810			
						110	-	24410	26980	29730	32670	35800	39110			
						115	-	23180	25620	28240	31040	34030	37210			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz
Fan(s) 230V, 1ph, 60 Hz

Version
WG: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
*This refrigeration system is designed and certified for use in walk-in cooler applications
R448A and R449A performance data are nearly identical
Performance data is based on fan full speed

All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-HJZM0150	D8	1410	0.9	14	6.5	1	19.5	43.5	13.4	5/8"	3/8"	176	156	12.6	119-8312
														9.04	119-8315
OP-HNXM0200	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	19.2	119-8312
														14.3	119-8313
OP-HNXM0250	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	26.8	119-8312
														18.6	119-8313
OP-HNXM0300	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	28.7	119-8312
														19	119-8313
OP-HNXM0350	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	300	271	35.5	119-8312
														22.7	119-8313
OP-HNXM0400	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	300	271	41.8	119-8312
														26.6	119-8313

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature							Power consumption [W] at evap. temp. 25°F	Power consumption [W] at evap. temp. 20°F	AWEF*
						°F	10	15	20	25	30	35	40			
Two fan	OP-HNXM0500	WG	N Q	114N3497 114N3498	MLZ38	90	31640	35200	39050	43210	47670	52450	57540	5406	5301	9.06 9.58
						95	30560	33980	37700	41710	46020	50630	55560			
						100	29480	32760	36330	40180	44340	48790	53550			
						110	-	30290	33550	37090	40920	45040	49460			
						115	-	29050	32150	35530	39190	43140	47380			
	OP-HRXM0600	WG	Q	114N3499	MLZ45	90	38490	42850	47520	52510	57830	63480	69460	6504	6351	9.64
						95	37070	41280	45790	50610	55760	61220	67020			
						100	35650	39700	44050	48710	53670	58950	64550			
						110	-	36520	40550	44850	49450	54360	59570			
						115	-	34920	38780	42910	47320	52040	57060			
		WG	R	114N3519	MLZ45	90	38120	42410	46990	51880	57090	62610	68440	6337	6174	9.88
						95	36710	40840	45270	49990	55020	60350	66000			
						100	35280	39260	43530	48080	52930	58080	63540			
						110	-	36080	40020	44220	48710	53490	58560			
						115	-	34470	38240	42270	46580	51170	56040			
	OP-HRXM0700	WG	Q	114N3500	MLZ48	90	42340	47050	52070	57410	63070	69060	75370	6907	6749	9.83
						95	40720	45260	50110	55260	60720	66490	72580			
						100	39070	43440	48100	53060	58320	63880	69750			
						110	-	39700	43980	48540	53380	58510	63930			
						115	-	37770	41860	46210	50840	55760	60960			
		WG	R	114N3520	MLZ48	90	41800	46410	51310	56510	62000	67800	73900	6791	6622	10
						95	40180	44620	49340	54340	59640	65230	71100			
						100	38520	42780	47320	52130	57230	62600	68260			
						110	-	39010	43170	47580	52260	57210	62420			
						115	-	37070	41040	45250	49710	54440	59430			
	OP-HRXM0750	WG	Q	114N3501	MLZ58	90	51070	56740	62810	69310	76240	83610	91420	7665	7493	10.28
						95	49310	54780	60640	66910	73590	80710	88260			
						100	47530	52790	58430	64470	70910	77770	85060			
						110	-	48720	53920	59480	65420	71770	78510			
						115	-	46650	51620	56940	62630	68700	75180			
		WG	R	114N3521	MLZ58	90	50680	56260	62240	68620	75410	82630	90260	7953	7771	9.87
						95	48910	54300	60060	66210	72760	79730	87100			
						100	47120	52300	57840	63760	70080	76780	83900			
						110	-	48230	53320	58770	64580	70770	77340			
						115	-	46150	51010	56220	61780	67700	74000			
	OP-HRXM1000	WG	Q	114N3502	MLZ76	90	62370	69580	77310	85550	94330	103600	113500	9991	9768	9.88
						95	59830	66820	74300	82280	90790	99810	109400			
						100	57230	63980	71210	78930	87150	95890	105200			
						110	-	58100	64800	71980	79630	87770	96420			
						115	-	55060	61490	68380	75740	83580	91920			
		WG	R	114N3522	MLZ76	90	61710	68800	76380	84460	93040	102100	111700	10350	10120	9.51
						95	59160	66020	73360	81170	89480	98290	107600			
						100	56540	63170	70250	77800	85830	94350	103400			
						110	-	57250	63810	70810	78270	86190	94580			
						115	-	54190	60470	67190	74360	81970	90060			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz & Fan(s) 230V, 1ph, 60 Hz
R: Compressor 420-460V, 3ph, 60 Hz & Fan(s) 460V, 1ph, 60Hz

Version
WG: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
*This refrigeration system is designed and certified for use in walk-in cooler applications
R448A and R449A performance data are nearly identical
Performance data is based on fan full speed
All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-HNXM0500	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	50.4	119-8312
														33.3	119-8313
OP-HRXM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	39.2	119-8313
														15	119-8640
OP-HRXM0700	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	42.2	119-8313
														16	119-8640
OP-HRXM0750	Q8	8230	5.4	24	30	2	39.1	61.2	31.5	1 ⅛"	⅝"	630	594	50.7	119-8313
														20	119-8640
OP-HRXM1000	Q8	8230	5.4	24	30	2	39.1	61.2	31.5	1 ⅛"	⅝"	630	594	65.1	119-8313
														28	119-8640

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature							Power consumption [W] at evap. temp. 25˚F	Power consumption [W] at evap. temp. 20˚F	AWEF*
						˚F	10	15	20	25	30	35	40			
Single fan	OP-HJZM0150	WG	N Q	114N3485 114N3486	MTZ18	90	4842	5722	6684	7725	8847	10050	11330	1150	1107	7.76 7.93
						95	4571	5415	6336	7334	8408	9558	10780			
						100	4297	5106	5987	6941	7968	9067	10240			
						110	-	4486	5288	6156	7088	8086	9147			
						115	-	4176	4940	5765	6651	7598	8606			
	OP-HNXM0200	WG	N Q	114N3487 114N3488	MLZ15	90	8480	9651	10900	12220	13630	15140	16730	1577	1555	8.01 8.78
						95	8207	9349	10570	11860	13240	14710	16280			
						100	7932	9041	10230	11490	12840	14270	15800			
						110	-	8422	9532	10720	12000	13360	14810			
						115	-	8113	9183	10330	11560	12880	14290			
	OP-HNXM0250	WG	N Q	114N3489 114N3490	MLZ19	90	10900	12380	13960	15640	17440	19350	21380	2053	2019	8.00 9.19
						95	10530	11980	13520	15170	16930	18800	20770			
						100	10160	11570	13070	14680	16400	18220	20150			
						110	-	10750	12170	13690	15310	17030	18850			
						115	-	10350	11720	13180	14750	16420	18180			
	OP-HNXM0300	WG	N Q	114N3491 114N3492	MLZ21	90	11600	13160	14830	16600	18480	20480	22600	2124	2090	8.21 9.42
						95	11220	12740	14370	16100	17940	19890	21960			
						100	10830	12310	13890	15580	17370	19280	21300			
						110	-	11430	12910	14500	16190	18000	19920			
						115	-	10980	12420	13950	15590	17340	19200			
	OP-HNXM0350	WG	N Q	114N3493 114N3494	MLZ26	90	14440	16380	18460	20690	23060	25580	28260	2611	2570	8.38 10.17
						95	13970	15870	17900	20070	22390	24860	27480			
						100	13500	15340	17320	19440	21700	24110	26660			
						110	-	14270	16130	18120	20250	22530	24950			
						115	-	13740	15520	17440	19500	21710	24050			
	OP-HNXM0400	WG	N Q	114N3495 114N3496	MLZ30	90	17090	19430	21920	24550	27340	30300	33440	2940	2883	8.87 10.2
						95	16540	18820	21230	23800	26530	29420	32490			
						100	15980	18190	20540	23040	25690	28510	31500			
						110	-	16940	19130	21470	23960	26610	29430			
						115	-	16320	18420	20670	23070	25630	28360			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz
Fan(s) 230V, 1ph, 60 Hz

Version
WG: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
*This refrigeration system is designed and certified for use in walk-in cooler applications
Performance data is based on fan full speed

All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-HJZM0150	D8	1410	0.9	14	6.5	1	19.5	43.5	13.4	5/8"	3/8"	176	156	12.6	119-8312
														9.04	119-8315
OP-HNXM0200	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	19.2	119-8312
														14.3	119-8313
OP-HNXM0250	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	26.8	119-8312
														18.6	119-8313
OP-HNXM0300	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	28.7	119-8312
														19	119-8313
OP-HNXM0350	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	300	271	35.5	119-8312
														22.7	119-8313
OP-HNXM0400	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	300	271	41.8	119-8312
														26.6	119-8313

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature							Power consumption [W] at evap. temp. 25 °F	Power consumption [W] at evap. temp. 20 °F	AWEF*
						°F	10	15	20	25	30	35	40			
Two fan	OP-HNXM0500	WG	N Q	114N3497 114N3498	MLZ38	90	20530	23340	26340	29530	32930	36540	40390	3582	3530	8.44 9.33
						95	19880	22620	25540	28660	31990	35530	39300			
						100	19210	21880	24730	27770	31020	34480	38170			
						110	-	20370	23050	25920	29000	32280	35790			
						115	-	19620	22200	24980	27950	31140	34540			
	OP-HRXM0600	WG	Q	114N3499	MLZ45	90	25440	28790	32430	36360	40560	45040	49790	4095	4030	9.73
						95	24570	27840	31390	35210	39310	43680	48300			
						100	23680	26860	30310	34040	38030	42280	46770			
						110	-	24830	28090	31610	35380	39390	43630			
						115	-	23800	26960	30370	34020	37910	42030			
		WG	R	114N3519	MLZ45	90	25360	28690	32310	36220	40400	44840	49550	3666	3601	10.43
						95	24490	27740	31270	35070	39140	43470	48060			
						100	23590	26760	30190	33890	37860	42070	46530			
						110	-	24730	27970	31460	35200	39180	43390			
						115	-	23700	26840	30220	33850	37700	41780			
	OP-HRXM0700	WG	Q	114N3500	MLZ48	90	26930	30440	34250	38340	42720	47380	52310	4157	4082	9.76
						95	26040	29450	33160	37150	41410	45950	50750			
						100	25120	28440	32050	35930	40070	44490	49160			
						110	-	26370	29750	33410	37320	41480	45880			
						115	-	25310	28590	32120	35910	39940	44210			
		WG	R	114N3520	MLZ48	90	26850	30340	34120	38190	42540	47160	52050	3902	3825	10.42
						95	25950	29350	33030	37000	41230	45730	50490			
						100	25030	28340	31920	35770	39890	44270	48900			
						110	-	26260	29620	33250	37130	41260	45620			
						115	-	25200	28460	31970	35720	39720	43950			
	OP-HRXM0750	WG	Q	114N3501	MLZ58	90	32660	36870	41410	46290	51500	57050	62950	5031	4935	9.66
						95	31670	35770	40190	44940	50020	55440	61200			
						100	30690	34660	38950	43570	48520	53800	59400			
						110	-	32410	36430	40770	45430	50410	55700			
						115	-	31280	35150	39340	43850	48670	53800			
		WG	R	114N3521	MLZ58	90	32600	36800	41330	46190	51380	56910	62790	5222	5125	9.31
						95	31620	35700	40110	44840	49910	55300	61030			
						100	30630	34590	38870	43470	48400	53650	59240			
						110	-	32350	36350	40670	45310	50260	55530			
						115	-	31210	35070	39240	43730	48520	53630			
	OP-HRXM1000	WG	Q	114N3502	MLZ76	90	41830	47000	52650	58760	65320	72310	79710	6361	6222	9.8
						95	40540	45600	51120	57090	63490	70290	77490			
						100	39210	44160	49550	55380	61610	68230	75220			
						110	-	41150	46280	51800	57700	63950	70540			
						115	-	39580	44580	49950	55680	61750	68130			
		WG	R	114N3522	MLZ76	90	41740	46890	52510	58600	65130	72080	79430	6565	6423	9.49
						95	40450	45490	50990	56930	63290	70060	77210			
						100	39120	44040	49410	55210	61410	67990	74940			
						110	-	41020	46130	51630	57500	63710	70250			
						115	-	39450	44430	49780	55470	61500	67840			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz & Fan(s) 230V, 1ph, 60 Hz
R: Compressor 420-460V, 3ph, 60 Hz & Fan(s) 460V, 1ph, 60Hz

Version
WG: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
*This refrigeration system is designed and certified for use in walk-in cooler applications
Performance data is based on fan full speed
All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-HNXM0500	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	50.4	119-8312
														33.3	119-8313
OP-HRXM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	39.2	119-8313
														15	119-8640
OP-HRXM0700	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	42.2	119-8313
														16	119-8640
OP-HRXM0750	Q8	8230	5.4	24	30	2	39.1	61.2	31.5	1 ⅛"	⅝"	630	594	50.7	119-8313
														20	119-8640
OP-HRXM1000	Q8	8230	5.4	24	30	2	39.1	61.2	31.5	1 ⅛"	⅝"	630	594	65.1	119-8313
														28	119-8640

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature							Power consumption [W] at evap. temp. 25˚F	Power consumption [W] at evap. temp. 20˚F	AWEF*
						˚F	10	15	20	25	30	35	40			
Single fan	OP-HJZM0150	WG	N Q	114N3485 114N3486	MTZ18	90	9048	10350	11676	13124	14644	16232	17847	2002	1935	7.85
						95	8504	9749	11017	12399	13848	15363	16904			
						100	7957	9146	10355	11672	13052	14492	15960			
						110	-	8138	9249	10458	11723	13042	14388			
						115	-	7532	8585	9730	10927	12175	13449			
	OP-HNXM0200	WG	N Q	114N3487 114N3488	MLZ15	90	14640	16250	17950	19740	21590	23520	25490	2359	2337	10.06 10.04
						95	13970	15520	17150	18870	20650	22490	24380			
						100	13290	14780	16340	17990	19700	21460	23260			
						110	-	13240	14680	16180	17750	19350	20990			
						115	-	12440	13820	15260	16750	18280	19850			
	OP-HNXM0250	WG	N Q	114N3489 114N3490	MLZ19	90	19080	20970	22970	25090	27320	29670	32130	2973	2933	10.04 10.30
						95	18290	20100	22020	24040	26180	28430	30800			
						100	17490	19210	21040	22980	25030	27180	29450			
						110	-	17390	19050	20810	22670	24640	26710			
						115	-	16450	18020	19690	21470	23340	25320			
	OP-HNXM0300	WG	N Q	114N3491 114N3492	MLZ21	90	20150	22110	24190	26400	28730	31190	33790	3187	3136	9.92 10.27
						95	19300	21180	23180	25290	27530	29890	32390			
						100	18420	20220	22140	24160	26310	28580	30970			
						110	-	18230	19980	21840	23800	25890	28090			
						115	-	17190	18860	20630	22510	24510	26630			
	OP-HNXM0350	WG	N Q	114N3493 114N3494	MLZ26	90	25330	27850	30510	33300	36230	39270	42440	3829	3774	10.33 10.58
						95	24270	26680	29230	31910	34720	37640	40680			
						100	23170	25480	27930	30490	33180	35980	38900			
						110	-	22980	25210	27560	30020	32580	35250			
						115	-	21670	23800	26040	28390	30840	33400			
	OP-HNXM0400	WG	N Q	114N3495 114N3496	MLZ30	90	28880	31820	34900	38120	41480	44960	48570	4596	4507	9.62 10.51
						95	27590	30400	33360	36450	39660	43010	46470			
						100	26270	28960	31790	34740	37820	41020	44340			
						110	-	25990	28570	31250	34060	36970	40000			
							-	24470	26910	29470	32140	34920	37800			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz
Fan(s) 230V, 1ph, 60 Hz

Version
WG: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
*This refrigeration system is designed and certified for use in walk-in cooler applications
Performance data is based on fan full speed

All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-HJZM0150	D8	1410	0.9	14	6.5	1	19.5	43.5	13.4	5/8"	3/8"	176	156	12.6	119-8312
														9.04	119-8315
OP-HNXM0200	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	19.2	119-8312
														14.3	119-8313
OP-HNXM0250	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	26.8	119-8312
														18.6	119-8313
OP-HNXM0300	G8	2825	1.1	18	13	1	22.4	47.4	16.5	7/8"	1/2"	253	227	28.7	119-8312
														19	119-8313
OP-HNXM0350	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	300	271	35.5	119-8312
														22.7	119-8313
OP-HNXM0400	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	300	271	41.8	119-8312
														26.6	119-8313

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature							Power consumption [W] at evap. temp. 25 °F	Power consumption [W] at evap. temp. 20 °F	AWEF*
						°F	10	15	20	25	30	35	40			
Two fan	OP-HRXM0500	WG	N Q	114N3497 114N3498	MLZ38	90	35730	39530	43530	47720	52110	56690	61440	5430	5336	9.64 10.48
						95	34120	37770	41630	45690	49930	54360	58960			
						100	32480	35990	39700	43610	47700	51970	56420			
						110	-	32350	35750	39340	43110	47060	51190			
						115	-	30520	33750	37170	40770	44560	48510			
	OP-HRXM0600	WG	Q	114N3499	MLZ45	90	43050	47300	51790	56540	61520	66740	72210	6264	6181	10.57
						95	41250	45320	49630	54180	58960	63980	69220			
						100	39410	43310	47430	51780	56360	61170	66200			
						110	-	39140	42890	46860	51040	55430	60040			
						115	-	36980	40550	44320	48310	52500	56900			
		WG	R	114N3519	MLZ45	90	42760	46970	51400	56080	60990	66130	71500	6047	5960	10.94
						95	40970	44990	49240	53720	58430	63360	68520			
						100	39130	42970	47040	51330	55830	60560	65500			
						110	-	38790	42490	46400	50510	54830	59350			
						115	-	36630	40150	43860	47780	51900	56220			
	OP-HRXM0700	WG	Q	114N3500	MLZ48	90	46560	51140	55980	61060	66380	71930	77700	6912	6798	10.45
						95	44590	48980	53610	58470	63570	68890	74420			
						100	42570	46760	51180	55830	60700	65790	71080			
						110	-	42140	46150	50360	54790	59420	64250			
						115	-	39740	43540	47540	51750	56160	60760			
		WG	R	114N3520	MLZ48	90	46220	50750	55520	60520	65760	71210	76870	6704	6585	10.76
						95	44250	48580	53140	57930	62940	68160	73590			
						100	42230	46360	50710	55290	60070	65070	70260			
						110	-	41730	45670	49820	54170	58710	63440			
						115	-	39320	43060	47000	51120	55450	59960			
	OP-HRXM0750	WG	Q	114N3501	MLZ58	90	56950	63010	69380	76050	83030	90340	97970	8089	7948	10.66
						95	54160	59960	66040	72410	79070	86030	93300			
						100	51290	56830	62620	68670	75010	81620	88520			
						110	-	50310	55510	60940	66610	72520	78690			
						115	-	46940	51840	56950	62280	67840	73640			
		WG	R	114N3521	MLZ58	90	56660	62700	69070	75750	82720	89980	97500	8299	8156	10.37
						95	53860	59640	65720	72100	78750	85670	92850			
						100	50980	56480	62270	68340	74680	81260	88090			
						110	-	49920	55110	60560	66240	72140	78260			
						115	-	46510	51400	56530	61880	67440	73210			
	OP-HRXM1000	WG	Q	114N3502	MLZ76	90	72760	79770	87190	95020	103300	111900	120900	10580	10380	10.3
						95	69610	76280	83330	90760	98580	106800	115400			
						100	66390	72700	79370	86410	93800	101600	109700			
						110	-	65300	71210	77440	84000	90890	98100			
						115	-	61460	67000	72830	78970	85420	92190			
		WG	R	114N3522	MLZ76	90	72440	79400	86750	94500	102600	111200	120100	10810	10610	10.05
						95	69300	75900	82880	90230	97960	106100	114500			
						100	66070	72330	78930	85880	93190	100900	108900			
						110	-	64910	70760	76920	83390	90190	97300			
						115	-	61080	66550	72310	78370	84730	91400			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz & Fan(s) 230V, 1ph, 60 Hz
R: Compressor 420-460V, 3ph, 60 Hz & Fan(s) 460V, 1ph, 60Hz

Version
WG: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
*This refrigeration system is designed and certified for use in walk-in cooler applications
Performance data is based on fan full speed
All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-HRXM0500	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	50.4	119-8312
														33.3	119-8313
OP-HRXM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	39.2	119-8313
														15	119-8640
OP-HRXM0700	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	42.2	119-8313
														16	119-8640
OP-HRXM0750	Q8	8230	5.4	24	30	2	39.1	61.2	31.5	1 ⅛"	⅝"	630	594	50.7	119-8313
														20	119-8640
OP-HRXM1000	Q8	8230	5.4	24	30	2	39.1	61.2	31.5	1 ⅛"	⅝"	630	594	65.1	119-8313
														28	119-8640

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature							Power consumption [W] at evap. temp. 25˚F	Power consumption [W] at evap. temp. 20˚F	AWEF*
						˚F	10	15	20	25	30	35	40			
Single fan	OP-HJZM0150	WG	N Q	114N3485 114N3486	MTZ18	90	8675	9829	11050	12340	13690	15100	16570	1875	1801	8.09
						95	8167	9269	10440	11660	12950	14290	15690			
						100	7662	8712	9822	10990	12210	13490	14820			
						110	-	7606	8606	9658	10760	11910	13100			
						115	-	7059	8005	8999	10040	11120	12250			
	OP-HNXM0200	WG	N Q	114N3487 114N3488	MLZ15	90	14020	15500	17070	18730	20490	22340	24290	2481	2442	8.69 8.98
						95	13490	14900	16400	18000	19680	21450	23310			
						100	12930	14280	15720	17240	18850	20540	22320			
						110	-	13000	14300	15670	17120	18660	20270			
						115	-	12340	13560	14860	16240	17690	19230			
	OP-HNXM0250	WG	N Q	114N3489 114N3490	MLZ19	90	17940	19830	21830	23940	26150	28470	30900	3087	3032	9.06 9.23
						95	17220	19030	20940	22960	25080	27300	29620			
						100	16470	18210	20030	21960	23980	26100	28320			
						110	-	16500	18150	19890	21720	23640	25650			
						115	-	15620	17190	18830	20560	22380	24290			
	OP-HNXM0300	WG	N Q	114N3491 114N3492	MLZ21	90	18820	20800	22890	25100	27430	29870	32420	3237	3177	9.06 9.28
						95	18050	19940	21940	24060	26280	28620	31070			
						100	17250	19060	20970	22990	25110	27340	29680			
						110	-	17220	18940	20770	22690	24710	26840			
						115	-	16270	17900	19620	21450	23360	25380			
	OP-HNXM0350	WG	N Q	114N3493 114N3494	MLZ26	90	23480	25980	28640	31450	34410	37530	40790	3855	3779	9.56 9.76
						95	22490	24900	27450	30150	32990	35980	39120			
						100	21490	23800	26240	28830	31550	34420	37430			
						110	-	21530	23760	26110	28600	31230	33980			
						115	-	20360	22480	24730	27100	29600	32240			
	OP-HNXM0400	WG	N Q	114N3495 114N3496	MLZ30	90	27420	30250	33240	36400	39720	43200	46830	4572	4466	9.35 9.80
						95	26330	29040	31900	34920	38100	41430	44910			
						100	25210	27800	30530	33410	36440	39620	42950			
						110	-	25210	27670	30280	33020	35910	38940			
						115	-	23870	26200	28670	31270	34010	36890			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz
Fan(s) 230V, 1ph, 60 Hz

Version
WG: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
*This refrigeration system is designed and certified for use in walk-in cooler applications
Performance data is based on fan full speed

All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ∅ (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-HJZM0150	D8	1410	0.9	14	6.5	1	19.5	43.5	13.4	⅝"	⅜"	176	156	12.6	119-8312
														9.04	119-8315
OP-HNXM0200	G8	2825	1.1	18	13	1	22.4	47.4	16.5	⅞"	½"	253	227	19.2	119-8312
														14.3	119-8313
OP-HNXM0250	G8	2825	1.1	18	13	1	22.4	47.4	16.5	⅞"	½"	253	227	26.8	119-8312
														18.6	119-8313
OP-HNXM0300	G8	2825	1.1	18	13	1	22.4	47.4	16.5	⅞"	½"	253	227	28.7	119-8312
														19	119-8313
OP-HNXM0350	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	⅞"	½"	300	271	35.5	119-8312
														22.7	119-8313
OP-HNXM0400	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	⅞"	½"	300	271	41.8	119-8312
														26.6	119-8313

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature							Power consumption [W] at evap. temp. 25°F	Power consumption [W] at evap. temp. 20°F	AWEF*
						°F	10	15	20	25	30	35	40			
Two fan	OP-HRXM0500	WG	N Q	114N3497 114N3498	MLZ38	90	33490	37040	40820	44840	49100	53590	58330	5617	5514	9.14 9.71
						95	32190	35580	39210	43050	47130	51440	55980			
						100	30850	34100	37560	41230	45130	49240	53580			
						110	-	31020	34150	37470	41000	44740	48690			
						115	-	29440	32390	35540	38890	42440	46190			
	OP-HRXM0600	WG	Q	114N3499	MLZ45	90	40810	44950	49360	54040	58980	64190	69670	6647	6484	9.53
						95	39180	43130	47340	51800	56510	61490	66730			
						100	37520	41280	45270	49520	54010	58750	63750			
						110	-	37480	41060	44860	48890	53170	57680			
						115	-	35540	38900	42480	46290	50330	54610			
		WG	R	114N3519	MLZ45	90	40670	44780	49150	53780	58670	63820	69230	6411	6246	9.89
						95	39040	42950	47120	51540	56200	61120	66290			
						100	37380	41100	45060	49260	53700	58380	63310			
						110	-	37290	40830	44580	48560	52770	57220			
						115	-	35340	38660	42190	45940	49910	54110			
	OP-HRXM0700	WG	Q	114N3500	MLZ48	90	44500	49090	53970	59130	64580	70310	76320	7246	7086	9.81
						95	42630	47020	51680	56620	61830	67320	73080			
						100	40720	44900	49350	54050	59030	64270	69780			
						110	-	40550	44550	48790	53280	58030	63050			
						115	-	38330	42090	46100	50350	54860	59620			
		WG	R	114N3520	MLZ48	90	44160	48690	53480	58560	63900	69510	75390	7060	6892	10.07
						95	42290	46610	51190	56040	61150	66520	72150			
						100	40380	44490	48850	53470	58340	63470	68850			
						110	-	40130	44040	48180	52570	57200	62070			
						115	-	37880	41560	45470	49610	53990	58610			
	OP-HRXM0750	WG	Q	114N3501	MLZ58	90	53900	59650	65770	72280	79180	86470	94150	8415	8255	10.3
						95	51680	57210	63090	69350	75980	82990	90380			
						100	49420	54710	60350	66340	72700	79430	86520			
						110	-	49540	54670	60140	65940	72090	78600			
						115	-	46880	51750	56940	62470	68330	74550			
		WG	R	114N3521	MLZ58	90	53730	59450	65540	72000	78850	86080	93690	8241	8080	10
						95	51520	57010	62860	69070	75640	82590	89920			
						100	49250	54510	60110	66060	72370	79030	86060			
						110	-	49340	54430	59840	65590	71680	78110			
						115	-	46660	51490	56630	62100	67890	74030			
	OP-HRXM1000	WG	Q	114N3502	MLZ76	90	67150	74200	81650	89500	97760	106400	115500	10420	10220	9.95
						95	64380	71130	78270	85800	93710	102000	110700			
						100	61540	68000	74820	82020	89590	97530	105800			
						110	-	61520	67700	74220	81090	88310	95890			
						115	-	58180	64040	70220	76740	83600	90810			
		WG	R	114N3522	MLZ76	90	66860	73850	81230	89000	97170	105700	114600	10680	10470	9.69
						95	64080	70780	77850	85300	93120	101300	109900			
						100	61240	67640	74400	81510	88990	96820	105000			
						110	-	61140	67250	73680	80460	87560	95010			
						115	-	57790	63560	69650	76070	82810	89880			

Test condition
Return gas temperature 65°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz & Fan(s) 230V, 1ph, 60 Hz
R: Compressor 420-460V, 3ph, 60 Hz & Fan(s) 460V, 1ph, 60Hz

Version
WG: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure (MBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
*This refrigeration system is designed and certified for use in walk-in cooler applications
Performance data is based on fan full speed

All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-HRXM0500	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	50.4	119-8312
														33.3	119-8313
OP-HRXM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	39.2	119-8313
														15	119-8640
OP-HRXM0700	N8	5180	3.7	18	22	2	28.8	49.4	31.5	⅞"	½"	400	367	42.2	119-8313
														16	119-8640
OP-HRXM0750	Q8	8230	5.4	24	30	2	39.1	61.2	31.5	1 ⅛"	⅝"	630	594	50.7	119-8313
														20	119-8640
OP-HRXM1000	Q8	8230	5.4	24	30	2	39.1	61.2	31.5	1 ⅛"	⅝"	630	594	65.1	119-8313
														28	119-8640

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature								Power consumption [W] at evap. temp. -20 °F	Power consumption [W] at evap. temp. -10 °F	AWEF*
						°F	-25	-20	-15	-10	-5	0	5	10			
Single fan	OP-LNYM0400	WH	Q	114N3652	LLZ013	90	11030	12470	14030	15720	17550	19500	21590	23820	3268	3563	3.41
						95	-	12090	13590	15220	16970	18850	20850	22980			
						100	-	-	13140	14700	16380	18180	20100	22140			
						105	-	-	-	14170	15770	17490	19330	21270			
						110	-	-	-	-	15150	16790	18540	20400			
	OP-LNYM0500	WH	Q	114N3653	LLZ015	90	13550	15280	17170	19210	21420	23800	26350	29070	3981	4297	3.48
						95	-	14850	16660	18620	20730	23000	25430	28020			
						100	-	-	16140	18010	20020	22180	24500	26960			
						105	-	-	-	17380	19300	21350	23550	25890			
						110	-	-	-	-	18550	20500	22580	24790			
	OP-LNYM0600	WH	Q	114N3654	LLZ018	90	15080	17030	19150	21440	23920	26570	29400	32420	4954	5385	3.26
						95	-	16410	18440	20630	22990	25520	28220	31090			
						100	-	-	17700	19780	22030	24440	27010	29740			
						105	-	-	-	18900	21030	23320	25750	28340			
						110	-	-	-	-	19990	22150	24450	26890			
Two fan	OP-LRYM0800	WH	Q	114N3655	LLZ024	90	20000	22510	25230	28170	31330	34730	38350	42200	5683	6222	3.39
						95	-	21860	24480	27310	30340	33590	37060	40750			
						100	-	-	23700	26410	29320	32430	35750	39270			
						105	-	-	-	25470	28250	31220	34390	37750			
							-	-	-	-	27140	29970	32980	36180			

Test condition
Return gas temperature 40°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz & Fan(s) 230V, 1ph, 60 Hz
R: Compressor 420-460V, 3ph, 60 Hz & Fan(s) 460V, 1ph, 60Hz

Version
WH: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure, Suction Accumulator (LBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
Performance data is based on fan full speed

All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line (in)	Liquid line (in)	Gross	Net		
OP-LNYM0400	J8	3590	2.8	18	17.5	1	28.2	47.4	16.5	⅞"	½"	295	266	24.3	119-9123
OP-LNYM0500	J8	3590	2.8	18	17.5	1	28.2	47.4	16.5	⅞"	½"	295	266	25.1	119-9123
OP-LNYM0600	J8	3590	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	28.9	119-9123
OP-LRYM0800	N8	5026	3.7	18	22	2	28.8	49.4	31.5	1 ⅛"	½"	442	409	35.9	119-9123

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature								Power consumption [W] at evap. temp. -20 °F	Power consumption [W] at evap. temp. -10 °F	AWEF*
						°F	-25	-20	-15	-10	-5	0	5	10			
Single fan	OP-LJHM0150	WH	N Q	114N3508 114N3509	NTZ048	90	5545	6509	7537	8627	9776	10980	12240	13550	1552	1840	3.87 3.65
						95	-	6092	7069	8104	9193	10340	11530	12770			
						100	-	5676	6603	7582	8612	9691	10820	11990			
						105	-	-	6138	7063	8034	9050	10110	11210			
						110	-	-	-	6547	7460	8413	9404	10430			
	OP-LJHM0200	WH	N Q	114N3518 114N3511	NTZ068	90	7671	8785	9994	11300	12700	14190	15770	17430	2234	2588	4.10 3.91
						95	-	8211	9358	10600	11930	13350	14850	16430			
						100	-	7661	8746	9920	11180	12530	13950	15460			
						105	-	-	8159	9267	10460	11730	13090	14510			
						110	-	-	-	8638	9761	10960	12240	13590			
	OP-LNYM0400	WH	Q	114N3652	LLZ013	90	13650	15330	17130	19030	21050	23190	25440	27810	3405	3672	3.81
						95	-	14750	16460	18280	20200	22230	24370	26610			
						100	-	-	15780	17510	19330	21250	23270	25390			
						105	-	-	-	16720	18440	20250	22160	24150			
						110	-	-	-	-	17530	19230	21020	22880			
	OP-LNYM0500	WH	Q	114N3653	LLZ015	90	16480	18500	20670	23000	25500	28160	30980	33960	4082	4462	3.77
						95	-	17780	19850	22070	24440	26970	29650	32480			
						100	-	-	19010	21120	23370	25760	28300	30980			
						105	-	-	-	20150	22280	24540	26930	29460			
						110	-	-	-	-	21160	23290	25540	27920			
	OP-LNYM0600	WH	Q	114N3654	LLZ018	90	19340	21670	24170	26840	29690	32710	35890	39240	5064	5513	3.53
						95	-	20810	23190	25730	28440	31300	34320	37490			
						100	-	-	22200	24600	27160	29870	32720	35720			
						105	-	-	-	23450	25860	28410	31100	33920			
							-	-	-	-	24540	26930	29450	32100			
Two fan	OP-LRYM0600	WH	R	114N3523	LLZ018	90	19970	22450	25140	28050	31170	34520	34470	37920	4713	5124	3.84
						95	-	21600	24170	26940	29920	33110	33190	36500			
						100	-	-	23180	25820	28650	31670	31890	35060			
						110	-	-	-	-	26030	28740	29240	32150			
						115	-	-	-	-	-	27230	27900	30680			
	OP-LRYM0800	WH	Q	114N3655	LLZ024	90	24780	27840	31150	34720	38560	42650	47010	51640	5852	6360	3.76
						95	-	26780	29940	33350	37000	40890	45040	49440			
						100	-	-	28710	31950	35410	39110	43040	47210			
						105	-	-	-	30510	33800	37300	41020	44960			
						110	-	-	-	-	32150	35450	38960	42670			
		WH	R	114N3524	LLZ024	90	24600	27620	30880	34380	38130	42140	42070	46120	5644	6163	3.86
						95	-	26560	29670	33000	36580	40380	40450	44320			
						100	-	-	28430	31600	34990	38600	38800	42490			
						110	-	-	-	-	31730	34940	35420	38760			
						115	-	-	-	-	-	33060	33690	36860			

Test condition
Return gas temperature 40°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz & Fan(s) 230V, 1ph, 60 Hz
R: Compressor 420-460V, 3ph, 60 Hz & Fan(s) 460V, 1ph, 60Hz

Version
WH: BX, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure, Suction Accumulator (LBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
Performance data is based on fan full speed

All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ø (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-LJHM0150	D8	1410	0.9	14	6.5	1	19.5	43.5	13.4	⅝"	⅜"	187	167	12.8	119-8312
														10	119-8315
OP-LJHM0200	D8	1410	0.9	14	6.5	1	19.5	43.5	13.4	⅝"	⅜"	187	167	19.8	119-8312
														14.2	119-8315
OP-LNYM0400	J8	3590	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	24.3	119-9123
OP-LNYM0500	J8	3590	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	25.1	119-9123
OP-LNYM0600	J8	3590	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	28.9	119-9123
OP-LRYM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	1 1/8"	½"	442	409	35.9	119-8641
		5026												35.9	119-9123
OP-LRYM0800	N8		3.7	18	22	2	28.8	49.4	31.5	1 1/8"	½"	442	409		
		5180												40.0	119-8641

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp.	Capacity range in (btu/hr) at evaporating temperature						Power consumption [W] at evap. temp. -20˚F	Power consumption [W] at evap. temp. -10˚F	AWEF*
						˚F	-25	-20	-15	-10	-5	0			
Single fan	OP-LJHM0150	WH	N Q	114N3508 114N3509	NTZ048	90	-	6103	7084	8152	9300	10520	1569	1847	3.71 3.70
						95	-	-	6653	7663	8750	9906			
						100	-	-	-	7174	8199	9290			
						110	-	-	-	-	7098	8058			
						115	-	-	-	-	-	7445			
	OP-LJHM0200	WH	N Q	114N3518 114N3511	NTZ068	90	-	8460	9798	11200	12640	14120	2341	2668	3.29 3.58
						95	-	-	9220	10550	11920	13320			
						100	-	-	-	9905	11200	12520			
						110	-	-	-	-	9758	10920			
						115	-	-	-	-	-	10120			
	OP-LNYM0400	WH	Q	114N3652	LLZ013	90	-	13370	15000	16750	18620	20620	3426	3736	3.52
						95	-	-	14400	16080	17870	19780			
						100	-	-	-	15400	17110	18940			
						110	-	-	-	-	15550	17200			
						115	-	-	-	-	-	16320			
	OP-LNYM0500	WH	Q	114N3653	LLZ015	90	-	16540	18510	20630	22900	25320	4070	4464	3.67
						95	-	-	17760	19790	21960	24290			
						100	-	-	-	18940	21020	23240			
						110	-	-	-	-	19090	21100			
						115	-	-	-	-	-	20020			
	OP-LNYM0600	WH	Q	114N3654	LLZ018	90	-	19180	21420	23820	26370	29090	5069	5572	3.33
						95	-	-	20570	22860	25300	27890			
						100	-	-	-	21880	24200	26670			
						110	-	-	-	-	21960	24170			
						115	-	-	-	-	-	22900			
Two fan	OP-LRYM0600	WH	R	114N3523	LLZ018	90	-	19700	22070	24610	27350	30280	7007	6775	3.6
						95	-	-	21220	23660	26270	29070			
						100	-	-	-	22680	25180	27850			
						110	-	-	-	-	22930	25340			
						115	-	-	-	-	-	24060			
	OP-LRYM0800	WH	Q	114N3655	LLZ024	90	-	24510	27440	30580	33940	37510	5893	6499	3.48
						95	-	-	26400	29400	32610	36020			
						100	-	-	-	28200	31250	34490			
						110	-	-	-	-	28430	31340			
						115	-	-	-	-	-	29710			
	OP-LRYM0800	WH	R	114N3524	LLZ024	90	-	24300	27180	30260	33540	37030	8722	8386	3.58
						95	-	-	26140	29070	32200	35520			
						100	-	-	-	27860	30830	33980			
						110	-	-	-	-	27980	30790			
						115	-	-	-	-	-	29140			

Test condition
Return gas temperature 40°F
Subcooling 5°F

Electrical code
N: Compressor & fan(s) 230V, 1 ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz & Fan(s) 230V, 1ph, 60 Hz
R: Compressor 420-460V, 3ph, 60 Hz & Fan(s) 460V, 1ph, 60Hz

Version
WH: Electrical box, Receiver, Dual pressure control, Fan speed controller or Fan cycling, Defrost Timer, Outdoor enclosure, Suction Accumulator (LBP)

HP rating in hundredths of HP, ie.: 033=1/3hp, (OP-UCGC0100U:0100=1hp)
Power consumption referred at 90°F ambient temperature
Performance data is based on fan full speed

All Optyma Slim Condensing units are UL Listed

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Model no	Condenser coil			Condenser fan	Receiver volume [Lbs]	Dimensions (in)[1]						Weight (lbs)		MCA (A)	Wiring diagram code [2]
	Type	Air flow [CFM]	Int. volume [lbs]	Fan blade ∅ (in)		Figure	Height H (in)	Width W (in)	Depth D (in)	Suction line	Liquid line	Gross	Net		
OP-LJHM0150	D8	1410	0.9	14	6.5	1	19.5	43.5	13.4	5/8″	3/8″	187	167	12.8	119-8312
														10	119-8315
OP-LJHM0200	D8	1410	0.9	14	6.5	1	19.5	43.5	13.4	5/8″	3/8″	187	167	19.8	119-8312
														14.2	119-8315
OP-LNYM0400	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8″	1/2″	295	266	24.3	119-9123
OP-LNYM0500	J8	3590	2.8	18	17.5	1	28.2	47.4	16.5	7/8″	1/2″	295	266	25.1	119-9123
OP-LNYM0600	J8	3590	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	28.9	119-9123
OP-LRYM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	1 1/8″	1/2″	442	409	35.9	119-8641
OP-LRYM0800	N8	5026	3.7	18	22	2	28.8	49.4	31.5	1 1/8″	1/2″	442	409	35.9	119-9123
		5180												40.0	119-8641

[1] Dimensions (in) available on page 69
[2] Wiring diagram available on pages 66
For spare parts, see pages 64

Spare Parts

Unit	N	Q	R	Compressor					Contactor	Service valve			Oil
				Model no	Code number	Start capacitor	Run Capacitor	Start Relay		Suction	Discharge	Receiver valve	
HJZM0150	114N3485	114N3486		MTZ18-1 MTZ18-3	MTZ18-1VI MTZ18-3VI	N: 119-4654	N: 119-5617	N: 119-5616	119-5640	119-4551	119-4545	119-4544	120Z0638
HNXM0200	114N3487			MLZ15T1A MLZ15T2A	121L8709 121L8711	N: 119-8775	N: 119-5618	N: 119-8780	119-5640	119-4548	119-4545	119-4545	120Z0648
HNXM0250	114N3489	114N3490		MLZ19T1A MLZ19T2A	121L8719 121L8723	N: 119-8775	N: 119-5618	N: 119-8780	119-5640	119-4548	119-4545	119-4545	120Z0648
HNXM0300	114N3491	114N3492		MLZ21T1A MLZ21T2A	121L8737 121L8739	N: 119-8775	N: 119-5618	N: 119-8780	119-5640	119-4548	119-4545	119-4545	120Z0648
HNXM0350	114N3493	114N3494		MLZ26T1A MLZ26T2A	121L8751 121L8753	N: 119-4654	N: 119-8777	N: 119-8781	119-5639	119-4548	119-4551	119-4545	120Z0648
HNXM0400	114N3495	114N3496		MLZ30T1A MLZ30T2A	121L8763 121L8765	N: 119-8776	N: 119-8778	N: 119-8781	N: 119-5639 Q: 119-5640	119-4548	119-4551	119-4545	120Z0648
HRXM0500	114N3497	114N3498		MLZ38T1A MLZ38T2A	121L8775 121L8777	N: 119-4654	N: 119-8779	N: 119-8782	N: 119-4652 Q: 119-5639	119-4548	119-4551	119-4545	120Z0648
HRXM0600		114N3499	114N3519	MLZ45T2 MLZ45T4	121L8797 121L8799	----	----	----	Q: 119-5639 R: 119-5640	119-4548	119-4551	119-4545	120Z0648
HRXM0700		114N3500	114N3520	MLZ48T2 MLZ48T4	121L8807 121L8809	----	----	----	Q: 119-5639 R: 119-5640	119-4548	119-4546	119-4545	120Z0648
HRXM0750		114N3501	114N3521	MLZ58T2 MLZ58T4	121L8817 121L8819	----	----	----	Q: 119-4652 R: 119-5639	119-4550	119-4548	119-4551	120Z0648
HRXM1000		114N3502	114N3522	MLZ76T2 MLZ76T4	121L8835 121L8837	----	----	----	Q: 119-4652 R: 119-5639	119-4550	119-4548	119-4551	120Z0648

Unit	Crankcase Heater	Acoustic hood	Condenser kit	Defrost Timer	Dual pressure switch	Fan kit	Fan capacitor	Fan speed controller	Filter drier	Receiver	Sight glass	Sequence phase relay	Fan Cycling	Transformer
HJZM0150	120Z0459	120Z0575	119-4536	119-4552	060-5253	119-8253E	119-4529	061H3140	023Z5040	119-4531	014L0022	----	----	----
HNXM0200	120Z5040	120Z5083	119-4537	119-4552	060-5253	119-8254E	119-4530	061H3140	023Z5041	119-4532	014L0022	119-4567	----	----
HNXM0250	120Z5040	120Z5083	119-4537	119-4552	060-5253	119-8254E	119-4530	061H3140	023Z5041	119-4532	014L0025	119-4567	----	----
HNXM0300	120Z5040	120Z5083	119-4537	119-4552	060-5253	119-8254E	119-4530	061H3140	023Z5041	119-4532	014L0025	119-4567	----	----
HNXM0350	120Z5040	120Z5083	119-4538	119-4552	060-5253	119-8254E	119-4530	061H3140	023Z5044	119-4533	014L0025	119-4567	----	----
HNXM0400	120Z5040	120Z5084	119-4538	119-4552	060-5253	119-8254E	119-4530	061H3140	023Z5044	119-4533	014L0025	119-4567	----	----
HRXM0500	120Z5040	120Z5084	119-4539	119-4552	060-5253	119-8254E	119-4530	061H3140	023Z5044	119-4534	014L0025	119-4567	----	----
HRXM0600	Q:120Z5040 R:120Z5041	120Z5084	119-4539	119-4552	060-5253	Q: 119-8254E R: 191U137850	Q:119-4530	Q:061H3140	023Z5044	119-4534	014L0025	119-4567	R: 060-5241	119-8687
HRXM0700	Q:120Z5040 R:120Z5041	120Z5084	119-4539	119-4552	060-5253	Q: 119-8254E R: 191U137850	Q:119-4530	Q:061H3140	023Z5044	119-4534	014L0025	119-4567	R: 060-5241	119-8687
HRXM0750	Q:120Z5040 R:120Z5041	120Z5085	Q:119-4540 R:119-8688	119-4552	060-5253	Q: 119-8255E R: 191U137950	Q:119-4530	Q:061H3140	023Z5045	119-4535	014L0026	119-4567	R: 060-5241	119-8687
HRXM1000	Q:120Z5040 R:120Z5041	120Z5085	Q:119-4540 R:119-8688	119-4552	060-5253	Q: 119-8255E R: 191U137950	Q:119-4530	Q:061H3140	023Z5045	119-4535	014L0026	119-4567	R: 060-5241	119-8687

*Q (208-230V, 3ph, 60 Hz) uses Fan speed controller; R (460V, 3ph, 60 Hz) uses Fan cycling

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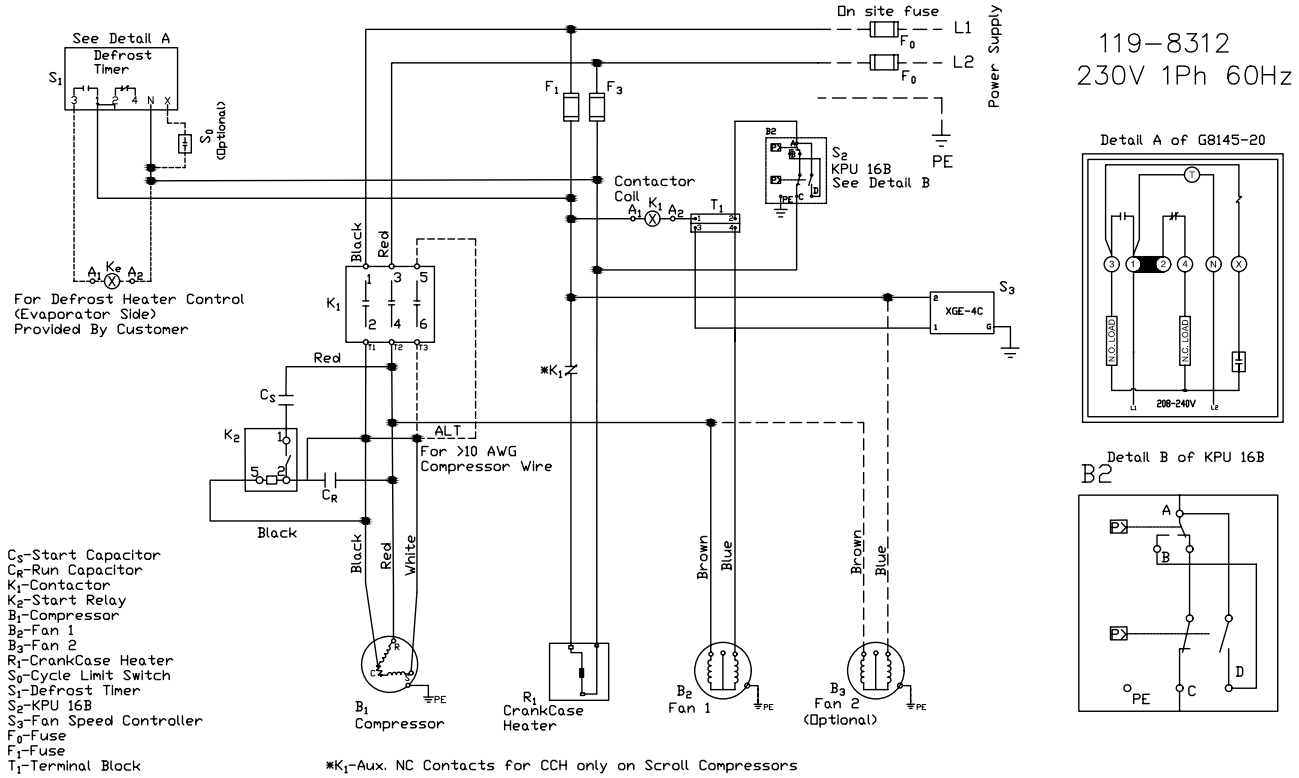
Spare Parts

Unit	N	Q	R	Compressor					Contactor	Service valve			Oil
				Model no	Code number	Start capacitor	Run Capacitor	Start Relay		Suction	Discharge	Receiver valve	
LJHM0150	114N3508	114N3509	----	NTZ048-1 NTZ048-3	N: 120F0293 Q: 120F0279	N: 119-4654	N: 119-5617	N: 119-5616	119-5640	119-4546	119-4545	119-4544	120Z0638
LJHM0200	114N3518	114N3511	----	NTZ068-1 NTZ068-3	N: 120F0294 Q: 120F0280	N: 119-5636	N: 119-8783	N: 119-5616	119-5640	119-4546	119-4545	119-4544	120Z0638
LNYM0400	----	114N3652	----	LLZ013T2	121L9545	----	----	----	119-5640	119-4548	119-4551	119-4545	120Z0648
LNYM0500	----	114N3653	----	LLZ015T2	121L9547	----	----	----	119-5640	119-4548	119-4551	119-4545	120Z0648
LNYM0600	----	114N3654	----	LLZ018T2	Q: 121L9549	----	----	----	Q: 119-5639	119-4548	119-4551	Q: 119-4545	120Z0648
LRYM0600	----	----	114N3523	LLZ018T4	R: 121L9539	----	----	----	R: 119-5640	119-4548	119-4551	R: 119-4551	120Z0648
LRYM0800	----	114N3655	114N3524	LLZ024T2 LLZ024T4	Q: 121L9551 R: 121L9541	---- ----	---- ----	---- ----	Q: 119-5639 R: 119-5639	119-4550	119-4546	119-4551	120Z0648

Unit	Crankcase Heater	Acoustic hood	Condenser kit	Defrost Timer	Dual pressure switch	Fan kit	Fan capacitor	Fan speed controller
LJHM0150	120Z0459	120Z0575	119-4536	119-4552	060-5253	119-8253E	119-4529	061H3140
LJHM0200	120Z0459	120Z0575	119-4536	119-4552	060-5253	119-8254E	119-4529	061H3140
LNYM0400	120Z5040	120Z5052	119-4538	119-4552	060-5253	119-8773E	119-4530	061H3246
LNYM0500	120Z5040	120Z5052	119-4538	119-4552	060-5253	119-8773E	119-4530	061H3246
LNYM0600	Q: 120Z5040	120Z5052	119-4538	119-4552	060-5253	Q: 119-8773E	Q: 119-4530	Q: 061H3246
LRYM0600	R: 120Z5041	120Z5052	119-4539	119-4552	060-5253	R: 191U137850	Q: 119-4530	Q: 061H3246
LRYM0800	Q: 120Z5040 R: 120Z5041	120Z5053 120Z5053	119-4539	119-4552	060-5253	Q: 119-8773E R: 191U137850	Q: 119-4530	Q: 061H3246

Unit	Filter drier	Receiver	Sight glass	Liquid Injection Valve	Liquid Injection Coil	Sequence phase relay	Fan Cycling	Transformer
LJHM0150	023Z5040	119-4531	014L0022	----	----	----	----	----
LJHM0200	023Z5040	119-4531	014L0022	----	----	----	----	----
LNYM0400	023Z5044	119-4533	014L0025	068F5211	018F4135	119-4567	----	----
LNYM0500	023Z5044	119-4533	014L0025	068F5211	018F4135	119-4567	----	----
LNYM0600	023Z5045	119-4533	014L0025	068F5211	018F4135	119-4567	----	----
LRYM0600	023Z5045	119-4535	014L0025	068F5212	018F4135	119-4567	R: 060-5241	119-8687
LRYM0800	023Z5045	119-4535	014L0025	068F5212	018F4135	119-4567	R: 060-5241	119-8687

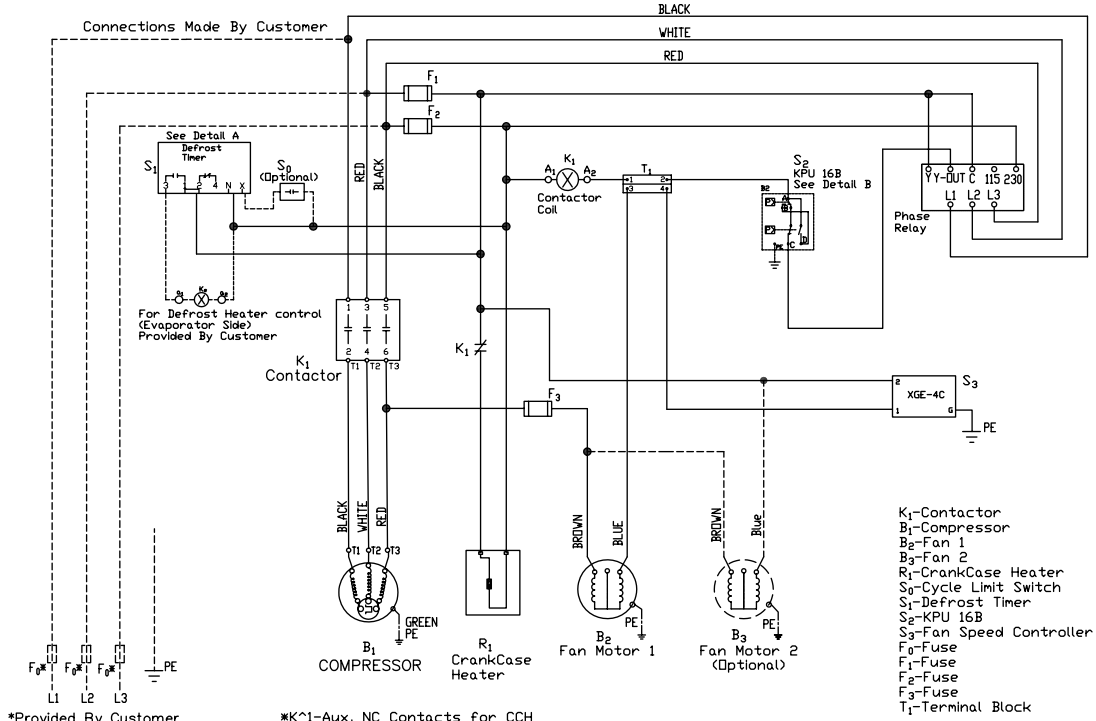
Wiring Diagram 119-8312



C_S-Start Capacitor
C_R-Run Capacitor
K_1-Contactor
K_2-Start Relay
B_1-Compressor
B_2-Fan 1
B_3-Fan 2
R_1-CrankCase Heater
S_0-Cycle Limit Switch
S_1-Defrost Timer
S_2-KPU 16B
S_3-Fan Speed Controller
F_0-Fuse
F_1-Fuse
T_1-Terminal Block

*K_1-Aux. NC Contacts for CCH only on Scroll Compressors

Wiring Diagram 119-8313



*K^1-Aux, NC Contacts for CCH only on Scroll Compressors

K_1-Contactor
B_1-Compressor
B_2-Fan 1
B_3-Fan 2
R_1-CrankCase Heater
S_0-Cycle Limit Switch
S_1-Defrost Timer
S_2-KPU 16B
S_3-Fan Speed Controller
F_0-Fuse
F_1-Fuse
F_2-Fuse
F_3-Fuse
T_1-Terminal Block

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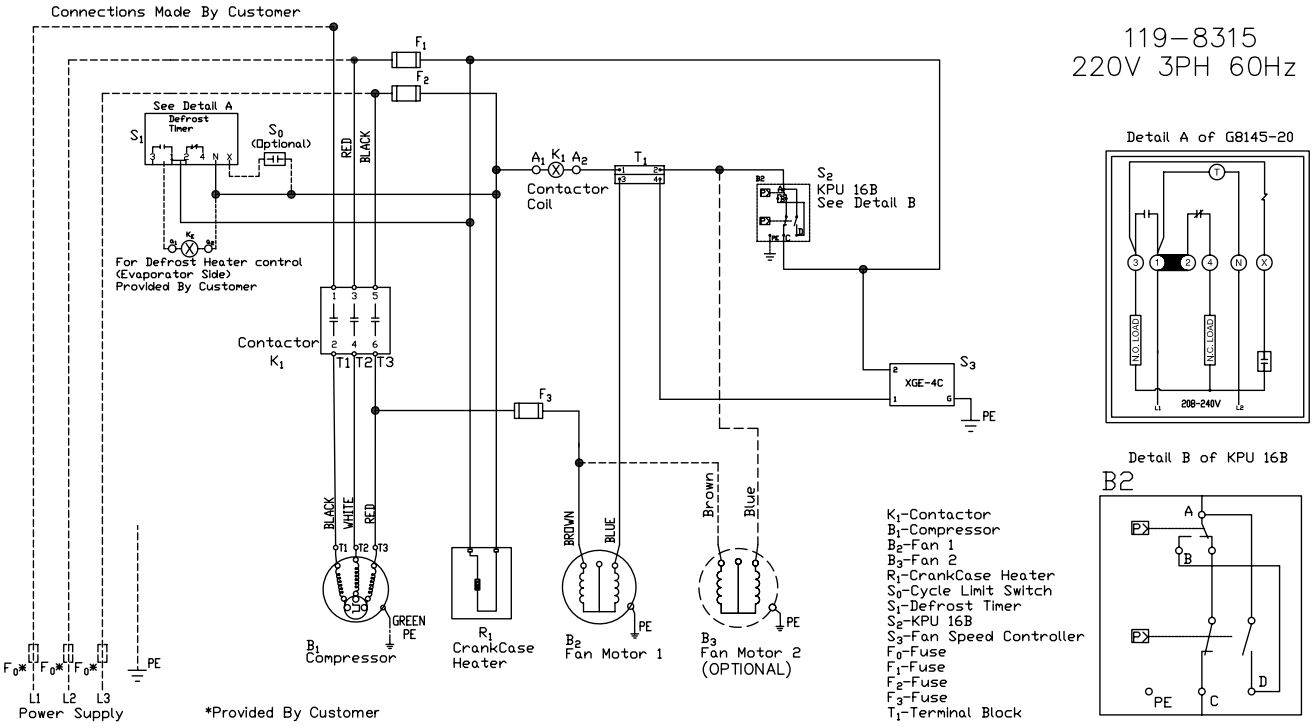
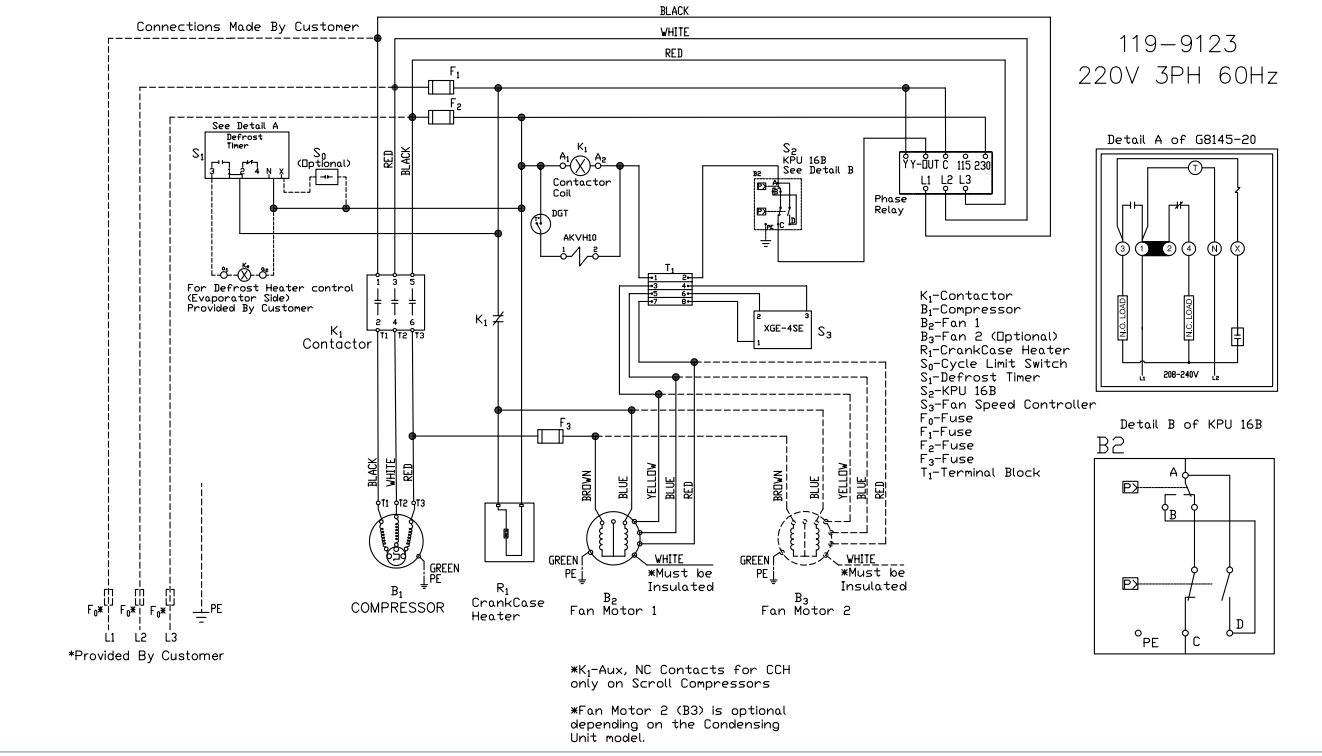
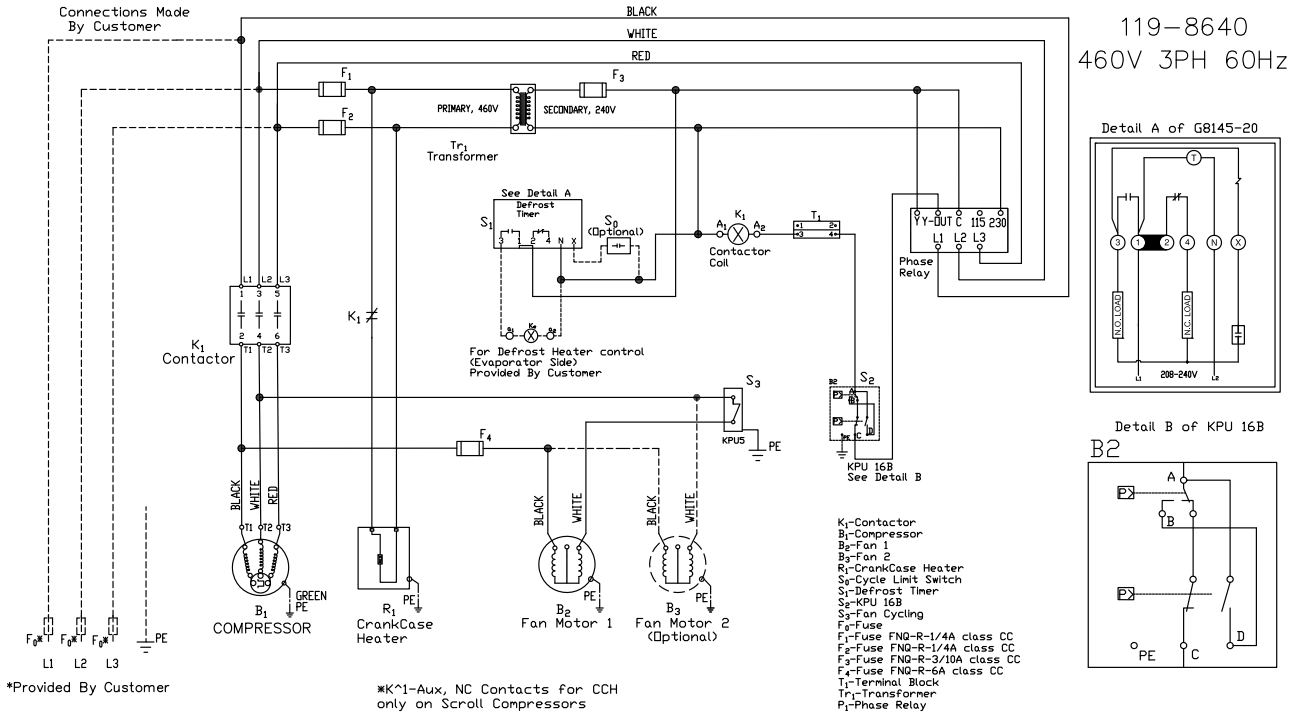
Wiring Diagram 119-8315



Wiring Diagram 119-9123



Wiring Diagram 119-8640



Wiring Diagram 119-8641

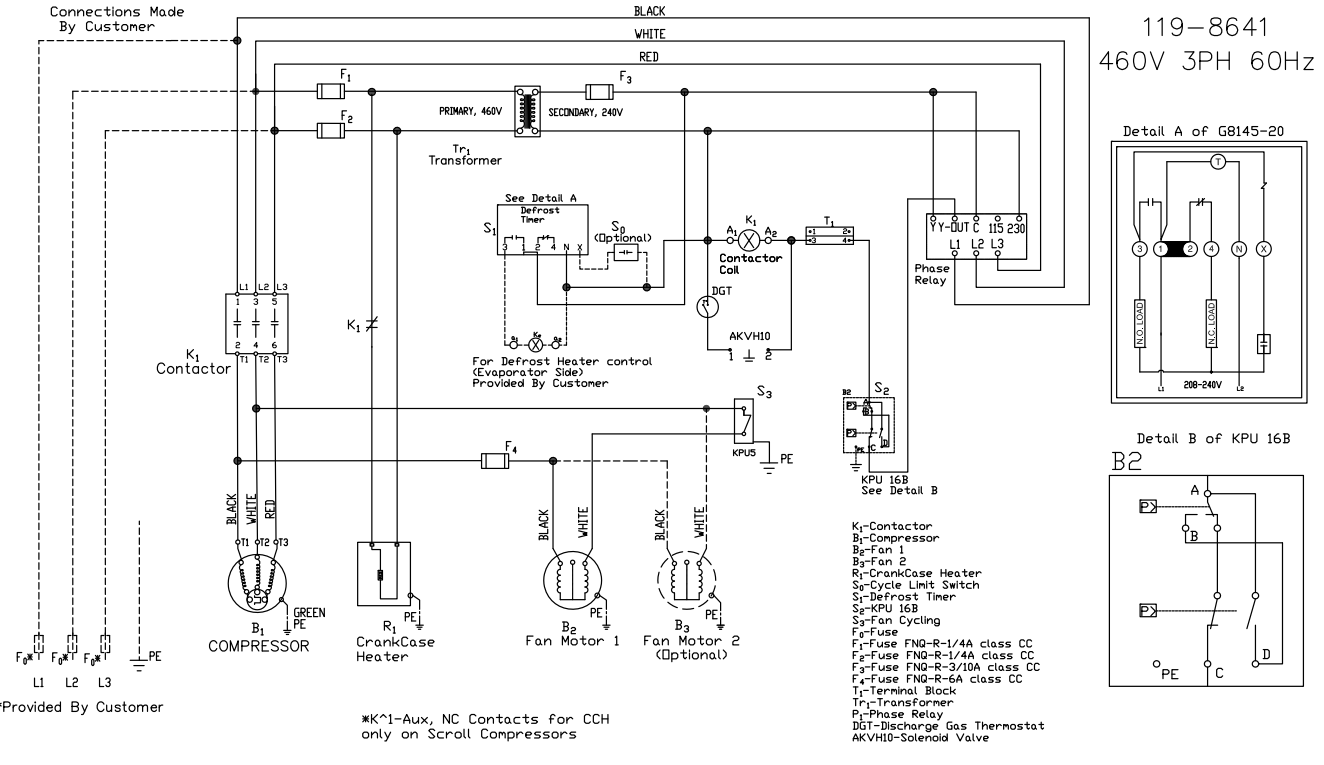


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Figure 1

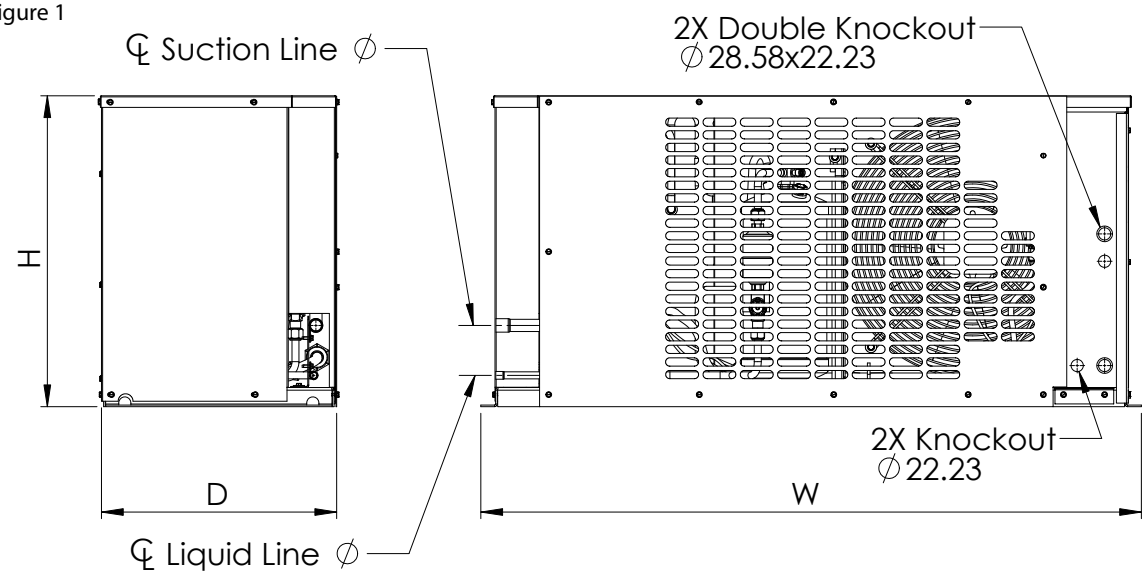
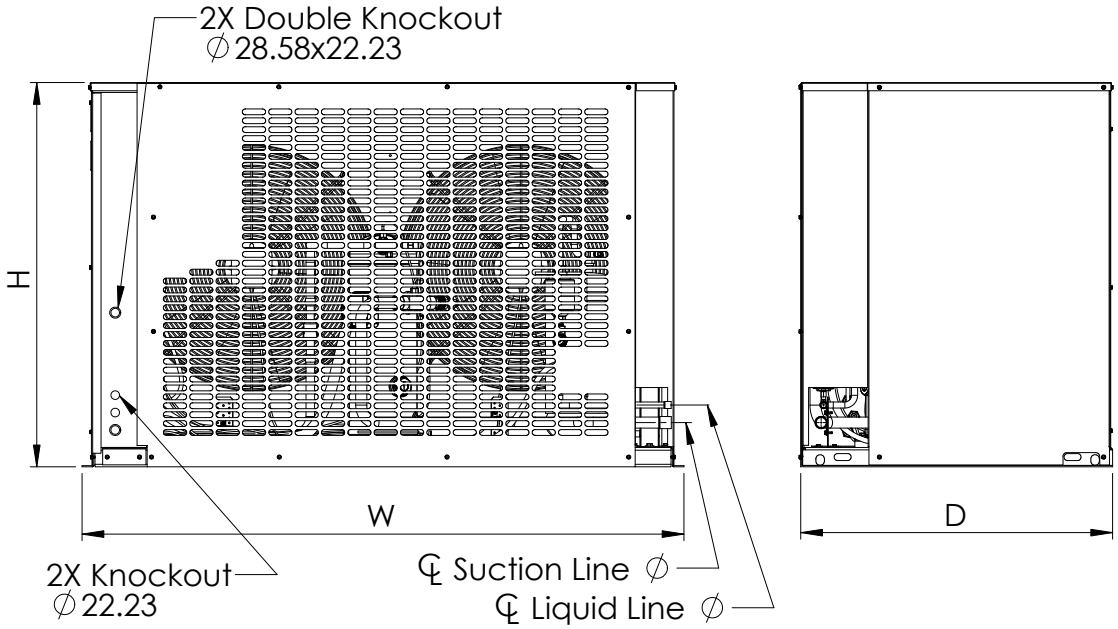


Figure 2



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Danfoss Scrolls

Danfoss Optyma Condensing Units

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