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: Medium / High
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
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

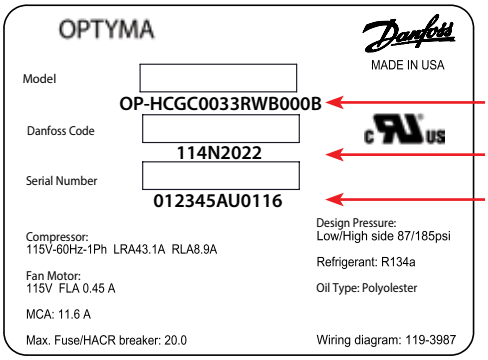
Electrical code:
B: Compressor & fan(s), 115V, 1ph, 60 Hz
N: Compressor & fan(s), 230V, 1ph, 60 Hz
Q: Compressor 208-230V, 3ph, 60 Hz
Fan(s) 230V, 1ph, 60 Hz
R: Compressor 460V, 3ph, 60 Hz
Fan(s) 460V, 1ph, 60 Hz

Version:
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)

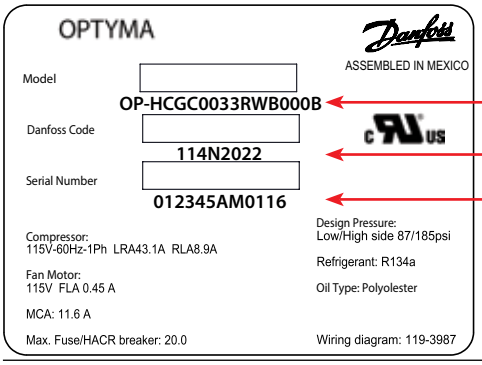
Application	LBP	MBP/HBP
Ambient Temp	90°F	90°F
Return Gas	40°F	65°F
SubCooling	5°F	5°F



OP-HCGC0033RWB000B (Model no.)

114N2022 (Code no.)

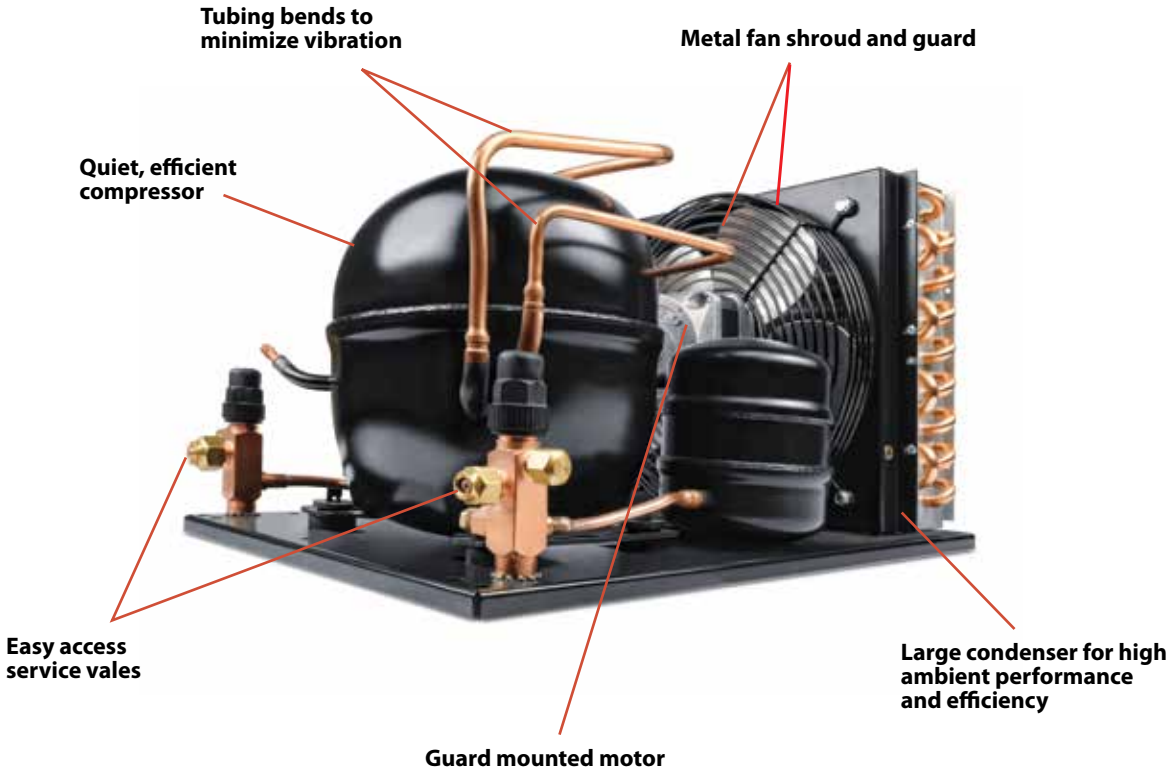
Date Code:
XXXXXXX**AU0116**
7 digits = serial #
AU = Assembled in US
01 = Week of Manufacture
16 = Year of Manufacture



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


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

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	3/8" F	1/4" F	32	6.1	POE / 10.8	119-3987
OP-UCGC0025R	8	2.16	2	9.1	13.5	17	3/8" F	1/4" F	45	6.4	POE / 10.8	119-3987
OP-HCGC0033R	9	2.16	2	10.3	13.5	17	3/8" F	1/4" F	47	11.7	POE / 10.8	119-3987
OP-UCGC0050R	10	2.16	3	11.8	13.5	17	1/2" F	1/4" F	57	13.7	POE / 20.3	119-3983
OP-HCGC0055R	10	4	4	11.9	14	18	3/8" F	1/4" F	67	15	POE / 19.6	119-3988
OP-HCGC0075R	12	4	4	13.2	16.9	19	1/2" F	1/4" 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	1/2" F	1/4" F	113	11.2	POE / 30.1	119-3990

[1] Dimensions (in) available on pages 28-30
[2] Wiring diagram available on pages 24-27
For spare parts, see pages 22-23

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

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	1/2" S	3/8" 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	1/2" S	3/8" 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	5/8" S	3/8" 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	5/8" S	3/8" 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	5/8" S	3/8" 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	7/8" S	1/2" 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	7/8" S	1/2" 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 1/8" S	1/2" S	300	Q: 40 R: 17	POE/63	119-6404 119-6405
OP-HGZC0900U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	500	Q: 50 R: 26	POE/132	119-6404 119-6405
OP-HGZC1000U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	500	Q: 60 R: 30	POE/132	119-6404 119-6405
OP-HGZC1200U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	510	Q: 69 R: 33	POE/132	119-6404 119-6405
OP-HGZC1350U	22	40	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	540	Q: 75 R: 38	POE/132	119-6404 119-6405

[1] Dimensions (in) available on pages 28-30
[2] Wiring diagram available on pages 24-27
For spare parts, see pages 22-23

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

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	3/8" F	1/4" F	39	5.2	POE / 9	119-3987
OP-UCHC0025R	9	2.16	2	10.3	13.5	17	3/8" F	1/4" F	50	6.2	POE / 11	119-3987
OP-UCHC0033R	9	2.16	2	10.3	13.5	17	3/8" F	1/4" F	49	7.6	POE / 11	119-3987
OP-UCHC0050R	10	2.16	3	11.8	13.5	17	3/8" F	1/4" F	60	11.8	POE / 19	119-3993
OP-UCHC0050U							1/2" F			4.3		119-3995
OP-HCHC0060U	12	4	3	14	16.3	19	3/8" F	1/4" F	70	14.1 7.1	POE / 20	119-3983 119-3995
OP-HCHC0075R	12	4	3	13.3	17	19	1/2" S	1/4" 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	1/2" S	1/4" F	91	10.8	POE / 20	119-3990

[1] Dimensions (in) available on pages 28-30
[2] Wiring diagram available on pages 24-27
For spare parts, see pages 22-23

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	9989	11300	12670	14100	15590	17120	18700	20310	2066	1996	7.07
			Q	114N3602		95	9438	10690	12000	13370	14780	16240	17750	19280			
			R	114N3603		100	8879	10080	11320	12620	13970	15360	16790	18250			
						105	8313	9451	10640	11870	13150	14470	15820	17200			
						110	7742	8822	9949	11120	12330	13580	-	-			
	OP-HCZC0200U	WJ	N	114N3604	MTZ22	90	13320	14880	16510	18210	19960	21750	23590	25460	2365	2259	7.93
			Q	114N3605		95	12660	14140	15690	17290	18950	20650	22380	24150			
			R	114N3606		100	11970	13380	14840	16360	17920	19520	21160	22820			
						105	11260	12590	13970	15400	16870	18380	19910	21470			
						110	10530	11780	13080	14420	15800	17210	-	-			
	OP-HCZC0250U	WJ	N	114N3607	MTZ28	90	16910	18680	20500	22380	24310	26270	28260	30270	3056	2914	7.7
			Q	114N3608		95	16110	17790	19520	21310	23130	24980	26870	28760			
			R	114N3609		100	15290	16880	18530	20210	21930	23680	25450	27240			
						105	14450	15960	17510	19100	20720	22370	24030	25700			
						110	13600	15020	16480	17970	19490	21040	-	-			
	OP-HCZC0275U	WJ	N	114N3610	MTZ36	90	20820	23050	25350	27690	30080	32500	34930	37360	3824	3599	7.69
			Q	114N3611		95	19740	21860	24050	26280	28540	30830	33130	35420			
			R	114N3612		100	18660	20680	22750	24860	27000	29160	31330	33490			
						105	17580	19490	21450	23440	25460	27500	29540	31560			
						110	16500	18310	20150	22030	23930	25850	-	-			
	OP-HCZC0300U	WJ	N	114N3614	MTZ40	90	23390	25810	28300	30830	33380	35950	38520	41060	4281	4026	7.51
			Q	114N3615		95	22180	24490	26850	29240	31660	34090	36510	38910			7.51
			R	114N3616		100	20980	23170	25400	27660	29940	32230	34510	36770			7.46
						105	19780	21850	23950	26080	28230	30390	32530	34640			
						110	18590	20530	22510	24520	26540	28550	-	-			
Two fan	OP-HGZC0400U	WJ	N	114N3617	MTZ50	90	31480	35020	38720	42580	46590	50730	54980	59340	5051	4839	8.68
			Q	114N3618		95	29880	33270	36820	40510	44330	48280	52330	56480			
			R	114N3619		100	28260	31490	34880	38390	42040	45790	49650	53580			
						105	26600	29690	32910	36260	39720	43280	46940	50670			
						110	24930	27860	30920	34100	37380	40760	-	-			
	OP-HGZC0500U	WJ	N	114N3621	MTZ64	90	38340	42410	46630	50980	55440	59980	64600	69260	6437	6127	8.23
			Q	114N3622		95	36310	40200	44210	48350	52580	56900	61280	65700			8.23
			R	114N3623		100	34270	37970	41780	45700	49720	53810	57960	62130			8.16
						105	32220	35720	39340	43050	46850	50710	54630	58570			
						110	30170	33480	36890	40390	43980	47620	-	-			
	OP-HGZC0700U	WJ	Q	114N3626	MTZ80	90	49600	54670	59940	65380	70990	76730	82580	88530	8635	8206	8.03
			R	114N3627		95	47120	51940	56950	62120	67440	72890	78440	84070			7.97
						100	44610	49190	53940	58840	63880	69030	74280	79600			
						105	42090	46420	50900	55530	60290	65160	70110	75130			
						110	39550	43630	47860	52220	56700	61280	-	-			
	OP-HGZC0900U	WJ	Q	114N3628	MTZ100	90	60260	67010	74070	81430	89080	97000	105200	113500	10100	9728	8.59
			R	114N3629		95	57030	63470	70210	77230	84520	92050	99810	107800			
						100	53800	59940	66350	73030	79950	87110	94470	102000			
						105	50570	56400	62490	68820	75380	82160	89130	96270			
						110	47350	52870	58630	64620	70820	77230	-	-			
	OP-HGZC1000U	WJ	Q	114N3631	MTZ125	90	75520	83250	91320	99710	108400	117400	126600	136000	12880	12330	8.32
			R	114N3632		95	71710	79080	86780	94770	103000	111600	120300	129300			
						100	67860	74880	82210	89800	97660	105700	114000	122500			
						105	63980	70660	77610	84810	92250	99910	107700	115700			
						110	60090	66410	72990	79800	86830	94050	-	-			
	OP-HGZC1200U	WJ	Q	114N3633	MTZ144	90	87530	96260	105400	114800	124500	134500	144800	155200	14670	14000	8.04
			R	114N3634		95	83140	91470	100100	109100	118400	127900	137600	147500			
						100	78710	86630	94860	103400	112200	121200	130400	139800			
						105	74230	81750	89550	97630	106000	114500	123200	132000			
						110	69730	76830	84210	91840	99690	107700	-	-			
	OP-HGZC1350U	WJ	Q	114N3636	MTZ160	90	94170	103400	112900	122900	133100	143600	154300	165200	16660	15820	7.9
			R	114N3637		95	89460	98240	107400	116800	126500	136500	146700	157000			
						100	84750	93100	101800	110800	120000	129500	139100	148900			
						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

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	1/2" S	3/8" 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	1/2" S	3/8" 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	5/8" S	3/8" 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	5/8" S	3/8" 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	5/8" S	3/8" 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	7/8" S	1/2" 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	7/8" S	1/2" 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 1/8" S	1/2" S	300	Q: 40 R: 17	POE/63	119-6404 119-6405
OP-HGZC0900U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	500	Q: 50 R: 26	POE/132	119-6404 119-6405
OP-HGZC1000U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	500	Q: 60 R: 30	POE/132	119-6404 119-6405
OP-HGZC1200U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	510	Q: 69 R: 33	POE/132	119-6404 119-6405
OP-HGZC1350U	22	40	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	540	Q: 75 R: 38	POE/132	119-6404 119-6405

[1] Dimensions (in) available on pages 28-30
[2] Wiring diagram available on pages 24-27
For spare parts, see pages 22-23

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	8586	9756	10990	12280	13620	15020	16460	17960	1782	1700	7.58
						95	8110	9234	10420	11650	12950	14290	15680	17110			
						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 Q R	114N3604 114N3605 114N3606	MTZ22	90	11590	12990	14490	16080	17750	19500	21320	23210	2142	2034	8.16
						95	11060	12390	13820	15330	16930	18600	20330	22130			
						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 Q R	114N3607 114N3608 114N3609	MTZ28	90	14170	15860	17660	19550	21540	23610	25750	27960	2619	2479	8.2
						95	13520	15130	16830	18640	20530	22500	24540	26650			
						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 Q R	114N3610 114N3611 114N3612	MTZ36	90	18050	20130	22290	24530	26830	29190	31570	33990	3486	3273	7.7
						95	17220	19200	21270	23400	25590	27830	30100	32390			
						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 Q R	114N3614 114N3615 114N3616	MTZ40	90	20390	22700	25090	27560	30080	32640	35230	37820	3929	3679	7.69 7.69 7.62
						95	19430	21630	23920	26260	28660	31090	33550	36020			
						100	18470	20570	22740	24970	27240	29550	31880	34210			
						105	17520	19510	21560	23670	25830	28010	30210	32420			
						110	16570	18450	20390	22380	24410	26480	28550	30630			
Two fan	OP-HGZC0400U	WJ	N Q R	114N3617 114N3618 114N3619	MTZ50	90	26130	29570	33220	37070	41100	45300	49670	54170	4562	4309	8.86
						95	24900	28200	31690	35380	39240	43270	47450	51770			
						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 Q R	114N3621 114N3622 114N3623	MTZ64	90	32200	36160	40310	44650	49160	53810	58600	63500	5610	5288	8.49 8.49 8.4
						95	30610	34410	38400	42570	46890	51360	55960	60660			
						100	29040	32680	36510	40500	44640	48920	53320	57820			
						105	27480	30970	34620	38440	42410	46500	50710	55010			
						110	25940	29270	32760	36400	40180	44090	48110	52210			
	OP-HGZC0700U	WJ	Q R	114N3626 114N3627	MTZ80	90	43870	48970	54330	59930	65750	71780	77980	84330	7519	7090	8.55 8.47
						95	41900	46800	51930	57300	62880	68650	74590	80670			
						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 R	114N3628 114N3629	MTZ100	90	52540	59390	66680	74390	82510	91020	99900	109100	9131	8701	8.74
						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 R	114N3631 114N3632	MTZ125	90	66450	74950	83960	93470	103400	113900	124700	135900	11540	10950	8.73
						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 R	114N3633 114N3634	MTZ144	90	78110	86970	96280	106000	116200	126700	137500	148700	13150	12470	8.61
						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 R	114N3636 114N3637	MTZ160	90	83580	92920	102700	112900	123500	134500	145800	157300	14990	14190	8.12
						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

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	1/2" S	3/8" 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	1/2" S	3/8" 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	5/8" S	3/8" 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	5/8" S	3/8" 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	5/8" S	3/8" 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	7/8" S	1/2" 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	7/8" S	1/2" 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 1/8" S	1/2" S	300	Q: 40 R: 17	POE/63	119-6404 119-6405
OP-HGZC0900U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	500	Q: 50 R: 26	POE/132	119-6404 119-6405
OP-HGZC1000U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	500	Q: 60 R: 30	POE/132	119-6404 119-6405
OP-HGZC1200U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	510	Q: 69 R: 33	POE/132	119-6404 119-6405
OP-HGZC1350U	22	40	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	540	Q: 75 R: 38	POE/132	119-6404 119-6405

[1] Dimensions (in) available on pages 28-30
[2] Wiring diagram available on pages 24-27
For spare parts, see pages 22-23

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

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	1/2" S	3/8" 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	1/2" S	3/8" 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	5/8" S	3/8" 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	5/8" S	3/8" 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	5/8" S	3/8" 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	7/8" S	1/2" 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	7/8" S	1/2" 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 1/8" S	1/2" S	300	Q: 40 R: 17	POE/63	119-6404 119-6405
OP-HGZC0900U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	500	Q: 50 R: 26	POE/132	119-6404 119-6405
OP-HGZC1000U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	500	Q: 60 R: 30	POE/132	119-6404 119-6405
OP-HGZC1200U	22	33	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	510	Q: 69 R: 33	POE/132	119-6404 119-6405
OP-HGZC1350U	22	40	9a	34.4	34.3	59.1	1 1/8" S	1/2" S	540	Q: 75 R: 38	POE/132	119-6404 119-6405

[1] Dimensions (in) available on pages 28-30
[2] Wiring diagram available on pages 24-27
For spare parts, see pages 22-23

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

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	3/8" F	1/4" F	39	5.2	POE / 9.5	119-3987
OP-UCHC0025R	9	2.16	2	10.3	13.5	17	3/8" F	1/4" F	50	6.2	POE / 10.8	119-3987
OP-UCHC0033R	9	2.16	2	10.3	13.5	17	3/8" F	1/4" F	49	7.6	POE / 10.8	119-3987
OP-UCHC0050R	10	2.16	3	11.8	13.5	17	3/8" F	1/4" 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	1/2" F	1/4" F	58	11.8	POE / 18.6	119-3993
OP-LCHC0060R	10	2.16	3	11.8	13.5	17	3/8" F	1/4" 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	1/2" F	1/4" F	76	12.2	POE / 19.6	119-3992
OP-LCHC0075U							5/8" F			5.5		119-3990
OP-LCHC0100U	12	4	4	13.4	17.5	19	1/2" F	1/2" F	105	8	POE / 30.1	119-3990

[1] Dimensions (in) available on pages 28-30
[2] Wiring diagram available on pages 24-27
For spare parts, see pages 22-23

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

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	1/2" S	3/8" 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	5/8" S	3/8" 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	7/8" S	1/2" 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	7/8" S	1/2" 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 1/8" S	1/2" S	300	Q: 43 R: 17	POE / 132	119-6404 119-6405
OP-LGZC0751U	18	26	9a	26.4	47.2	31.5	1 1/8" S	1/2" S	300	Q: 53 R: 22	POE / 132	119-6404 119-6405

[1] Dimensions (in) available on pages 28-30
[2] Wiring diagram available on pages 24-27
For spare parts, see pages 22-23

Optyma™ condensing unit R134a - 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										
114N2017	UCGC0020RWA000B	NF6.1FX2	195B0560	119-5662	119-5670	119-3169	N/A	N/A	119-7770	N/A	119-7760	N/A	N/A
114N2019	UCGC0025RWB000B	NF7.3FX2	195B0586	119-5662	119-5670	119-3169	N/A	N/A	119-7770	N/A	119-7758	N/A	N/A
114N2022	HCGC0033RWB000B	NF11FX	195B0388	119-5662	119-5669	119-3170	N/A	N/A	119-7771	N/A	119-7759	N/A	N/A
114N2023	UCGC0050RWB000B	SC18G	195B0276	119-5663	119-5672	119-3172	N/A	N/A	119-7771	N/A	119-7759	N/A	N/A
114N2025	HCGC0055RWB000B	NT6215Z	119-8027	119-5663	119-5672	119-3172	N/A	N/A	N/A	N/A	N/A	N/A	N/A
114N2027	HCGC0075RWB000B	NJ6220Z	119-8028	119-5660	119-5674	119-3181	N/A	N/A	N/A	N/A	N/A	N/A	N/A
114N2028	HCGC0075UWC000N	NJ6220Z	119-8029	119-5659	119-5674	119-3181	N/A	N/A	N/A	N/A	N/A	N/A	N/A
114N2029	HCGC0100UWD000N	NJ6226Z	119-8030	119-5659	119-5674	119-3182A	060-5231	N/A	N/A	N/A	N/A	119-8543	N/A

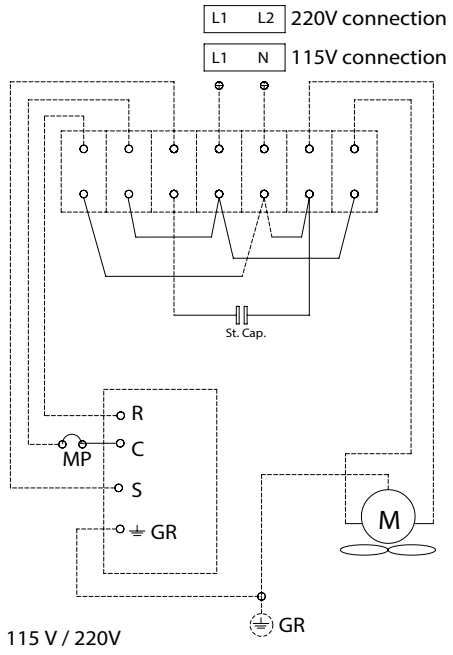
Optyma™ condensing unit R404A/ R507 / R448A / R449A / R452A - MBP

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										
114N2316	UCHC0020RWA000B	TF4CLX	195B0468	119-5662	119-5669	119-3170	N/A	N/A	119-7770	N/A	119-7762	N/A	N/A
114N2318	UCHC0025RWB000B	NF5.5CLX	195B0348	119-5662	119-5669	119-3171	N/A	N/A	119-7770	N/A	119-7758	N/A	N/A
114N2321	UCHC0033RWB000B	NF7CLX	195B0672	119-5662	119-5669	119-3171	N/A	N/A	119-7768	N/A	119-7761	N/A	N/A
114N2324	UCHC0050RWB000B	SC10CL	195B0147	119-5663	119-5672	119-3172	N/A	N/A	119-7769	N/A	119-7766	N/A	N/A
114N2325	UCHC0050UWC000N	SC10CL	195B0671	119-5665	119-5672	119-3172	N/A	N/A	119-7767	N/A	119-7764	N/A	N/A
114N2328	HCHC0060UWC000B	SC12MLX	195B0510	119-5660	119-5674	119-3175	N/A	N/A	119-7771	N/A	119-7757	N/A	N/A
114N2330	HCHC0075RWB000B	SC18MLX	195B0306	119-5660	119-5674	119-3181	N/A	N/A	119-7771	N/A	119-7757	N/A	N/A
114N2331	HCHC0075UWC000N	NT6220GK	119-8034	119-5659	119-5674	119-3181	N/A	N/A	N/A	N/A	N/A	N/A	N/A
114N2332	HCHC0100UWD000N	NT6222GK	119-8035	119-5659	119-5674	119-3181	060-5231	N/A	N/A	N/A	N/A	119-8543	N/A
114N3601	HCZC0150UWJ300N	MTZ18	MTZ18-1VI	119-5625	119-5605	740154601	060-5253	060-5241	119-4654	119-5617	119-5616	119-8543	119-8544
114N3602	HCZC0150UWJ300Q	MTZ18	MTZ18-3VI	119-5625	119-5605	740154601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3603	HCZC0150UWJ300R	MTZ18	MTZ18-4VI	119-5628	119-5605	740154601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3604	HCZC0200UWJ300N	MTZ22	MTZ22-1VI	119-5625	119-5605	740154601	060-5253	060-5241	119-4654	119-5618	119-5616	119-8543	119-8544
114N3605	HCZC0200UWJ300Q	MTZ22	MTZ22-3VI	119-5625	119-5605	740154601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3606	HCZC0200UWJ300R	MTZ22	MTZ22-4VI	119-5628	119-5605	740154601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3607	HCZC0250UWJ300N	MTZ28	MTZ28-1VI	119-5625	119-5605	191U131601	060-5253	060-5241	119-5636	119-5619	119-5616	119-8543	119-8544
114N3608	HCZC0250UWJ300Q	MTZ28	MTZ28-3VI	119-5625	119-5605	191U131601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3609	HCZC0250UWJ300R	MTZ28	MTZ28-4VI	119-5628	119-5605	191U131601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3610	HCZC0275UWJ300N	MTZ36	MTZ36-1VI	119-5625	119-5605	191U131601	060-5253	060-5241	119-4654	119-5618	119-5616	119-8543	119-8544
114N3611	HCZC0275UWJ300Q	MTZ36	MTZ36-3VI	119-5625	119-5605	191U131601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3612	HCZC0275UWJ300R	MTZ36	MTZ36-4VI	119-5628	119-5605	191U131601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3614	HCZC0300UWJ300N	MTZ40	MTZ40-1VI	119-5624	119-5606	191U131701	060-5253	060-5241	119-4654	119-5620	119-5616	119-8543	119-8544
114N3615	HCZC0300UWJ300Q	MTZ40	MTZ40-3VI	119-5624	119-5606	191U131701	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3616	HCZC0300UWJ300R	MTZ40	MTZ40-4VI	119-5623	119-5606	191U131701	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3617	HGZC0400UWJ300N	MTZ50	MTZ50-1VI	119-5625	119-5605	191U130701	060-5253	060-5241	119-5636	119-5618	119-5616	119-8543	119-8544
114N3618	HGZC0400UWJ300Q	MTZ50	MTZ50-3VI	119-5625	119-5605	191U130701	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3619	HGZC0400UWJ300R	MTZ50	MTZ50-4VI	119-5628	119-5605	191U130701	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3621	HGZC0500UWJ300N	MTZ64	MTZ64-1VI	119-5624	119-5606	191U131001	060-5253	060-5241	119-5635	119-5620	119-5616	119-8543	119-8544
114N3622	HGZC0500UWJ300Q	MTZ64	MTZ64-3VI	119-5624	119-5606	191U131001	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3623	HGZC0500UWJ300R	MTZ64	MTZ64-4VI	119-5623	119-5606	191U131001	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3626	HGZC0700UWJ300Q	MTZ80	MTZ80-3VI	119-5624	119-5606	191U131201	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3627	HGZC0700UWJ300R	MTZ80	MTZ80-4VI	119-5623	119-5606	191U131201	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3628	HGZC0900UWJ300Q	MTZ100	MTZ100-3VI	119-5627	119-5607	191U131301	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3629	HGZC0900UWJ300R	MTZ100	MTZ100-4VI	119-5630	119-5607	191U131301	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3631	HGZC1000UWJ300Q	MTZ125	MTZ125-3VI	119-5627	119-5607	191U131301	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3632	HGZC1000UWJ300R	MTZ125	MTZ125-4VI	119-5630	119-5607	191U131301	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3633	HGZC1200UWJ300Q	MTZ144	MTZ144-3VI	119-5627	119-5607	191U131301	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3634	HGZC1200UWJ300R	MTZ144	MTZ144-4VI	119-5630	119-5607	191U131301	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3636	HGZC1350UWJ300Q	MTZ160	MTZ160-3VI	119-5627	119-5607	191U131301	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N3637	HGZC1350UWJ300R	MTZ160	MTZ160-4VI	119-5630	119-5607	191U131301	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544

Optyma™ condensing unit R404A/R507 - LBP

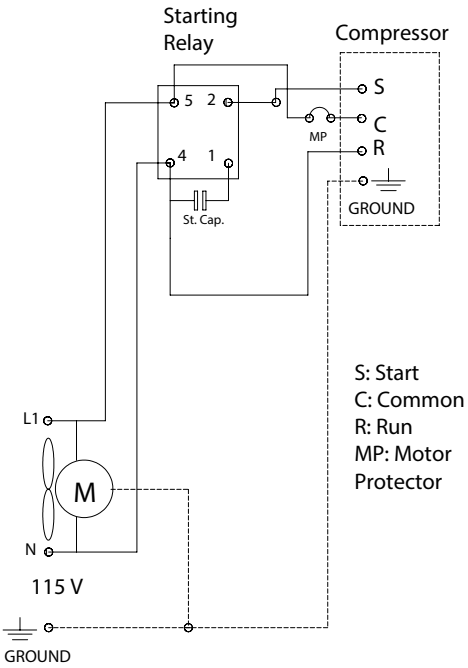
Code no	Compressor			Fan motor	Fan blade	Condenser	Low pressure switch	Fan cycling	Start capacitor	Run capacitor	Relay	LP hose	HP hose FC hose
	Model no	Model	Code no										
114N2316	UCHC0020RWA000B	TF4CLX	195B0468	119-5662	119-5669	119-3170	N/A	N/A	119-7770	N/A	119-7762	N/A	N/A
114N2318	UCHC0025RWB000B	NF5.5CLX	195B0348	119-5662	119-5669	119-3171	N/A	N/A	119-7770	N/A	119-7758	N/A	N/A
114N2321	UCHC0033RWC000B	NF7CLX	195B0672	119-5662	119-5669	119-3171	N/A	N/A	119-7768	N/A	119-7761	N/A	N/A
114N2324	UCHC0050RWC000B	SC10CL	195B0147	119-5663	119-5672	119-3172	N/A	N/A	119-7769	N/A	119-7766	N/A	N/A
114N2325	UCHC0050UWC000N	SC10CL	195B0671	119-5665	119-5672	119-3172	N/A	N/A	117U5017	N/A	119-7764	N/A	N/A
114N2389	LCHC0050RWB000B	SC12CLX2	195B0491	119-5663	119-5672	119-3172	N/A	N/A	119-7769	N/A	119-7766	N/A	N/A
114N2335	LCHC0060RWB000B	SC15CLX2	195B0237	119-5663	119-5672	119-3172	N/A	N/A	119-7771	N/A	119-7757	N/A	N/A
114N2337	LCHC0075RWB000B	NT2178GK	119-8031	119-5663	119-5672	119-3172	N/A	N/A	N/A	N/A	N/A	N/A	N/A
114N2338	LCHC0075UWC000N	NT2178GK	119-8032	119-5665	119-5672	119-3172	N/A	N/A	N/A	N/A	N/A	N/A	N/A
114N2339	LCHC0100UWD000N	NJ2192GK	119-8033	119-5659	119-5674	119-3181	060-5231	N/A	N/A	N/A	N/A	119-8543	N/A
114N6725	LCHC0150UWF000N	NTZ048A	120F0072	119-5625	119-5605	740154601	060-5253	060-5241	119-4654	119-5618	119-5616	119-8543	119-8544
114N6726	LCHC0150UWF000Q	NTZ048A	120F0026	119-5625	119-5605	740154601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N6727	LCZC0150UWF000R	NTZ048A	120F0001	119-5628	119-5605	740154601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N6729	LCHC0200UWF000N	NTZ068A	120F0073	119-5625	119-5605	740154601	060-5253	060-5241	119-5636	119-5619	119-5616	119-8543	119-8544
114N6730	LCHC0200UWF000Q	NTZ068A	120F0027	119-5625	119-5605	740154601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N6731	LCHC0200UWF000R	NTZ068A	120F0002	119-5628	119-5605	740154601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N6733	LCHC0300UWF000N	NTZ108A	120F0075	119-5625	119-5605	191U131601	060-5253	060-5241	119-5636	119-5618	119-5616	119-8543	119-8544
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114N6735	LCZC0300UWF000R	NTZ108A	120F0004	119-5628	119-5605	191U131601	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N6737	LGHC0400UWF000N	NTZ136A	120F0076	119-5625	119-5605	191U130701	060-5253	060-5241	119-5636	119-5618	119-5616	119-8543	119-8544
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114N6742	LGHC0600UWF000R	NTZ215A	120F0006	119-5623	119-5606	191U131101	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
114N6744	LGHC0750UWF000Q	NTZ271A	120F0032	119-5624	119-5606	191U131101	060-5253	060-5241	N/A	N/A	N/A	119-8543	119-8544
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Wiring Diagram 119-3375



* Heater not shown
Use 14AWG black wire for connections Ver 2

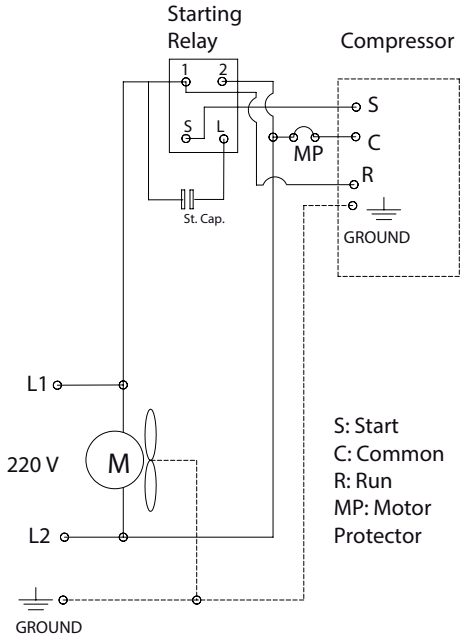
Wiring Diagram 119-3983



* Heater not shown

Ver 6

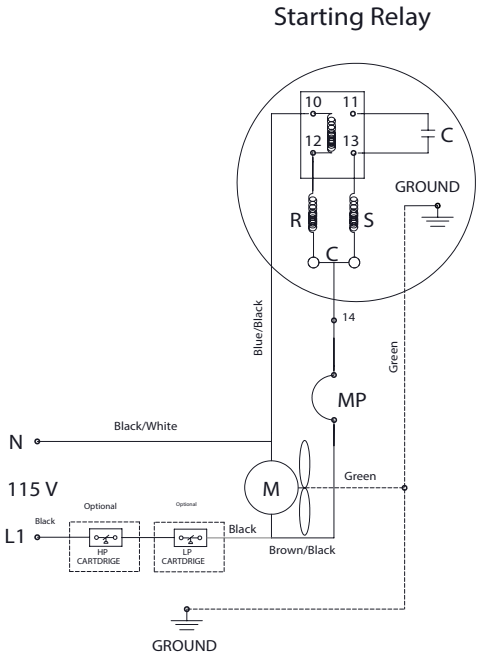
Wiring Diagram 119-3985



* Heater not shown

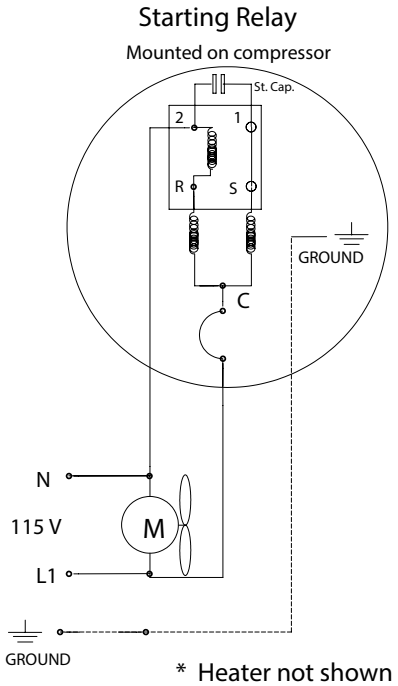
Ver 6

Wiring Diagram 119-3987



*Power cord optional

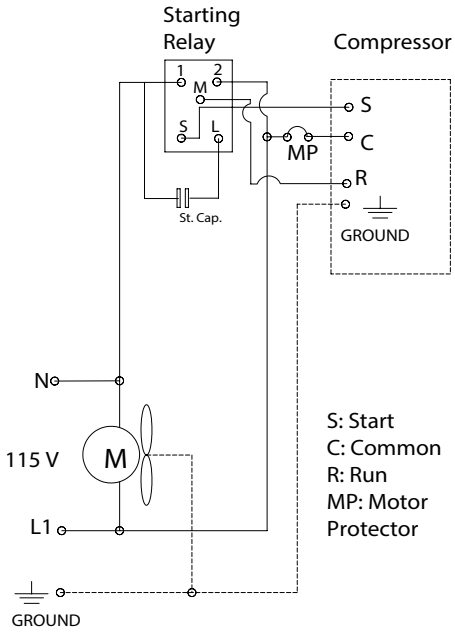
Wiring Diagram 119-3988



* Heater not shown

Ver 5

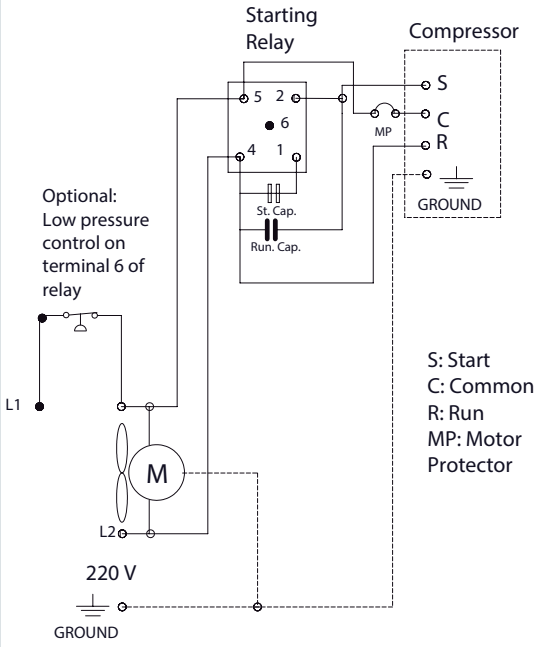
Wiring Diagram 119-3989



* Heater not shown

Ver 7

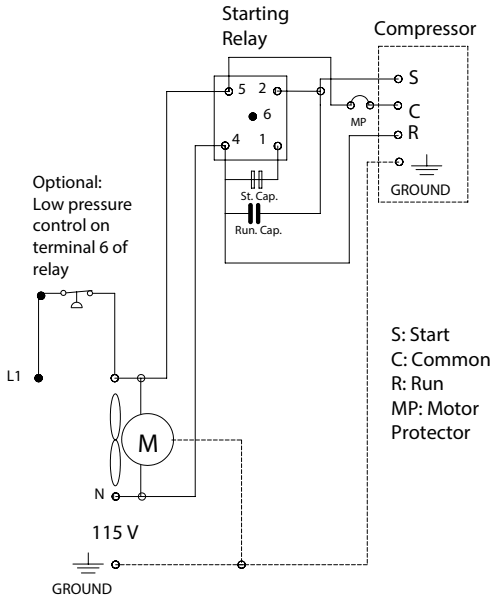
Wiring Diagram 119-3990



* Heater not shown

Ver 7

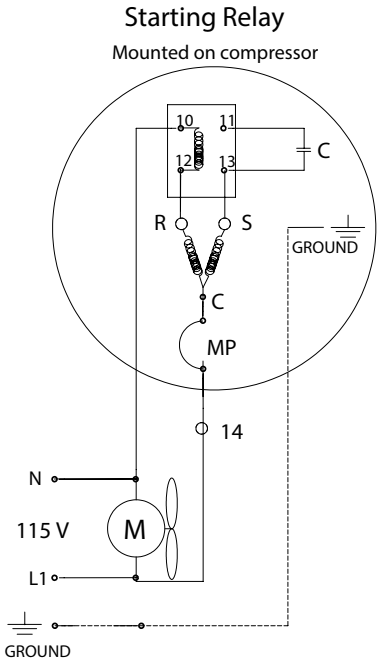
Wiring Diagram 119-3992



* Heater not shown

Ver 7

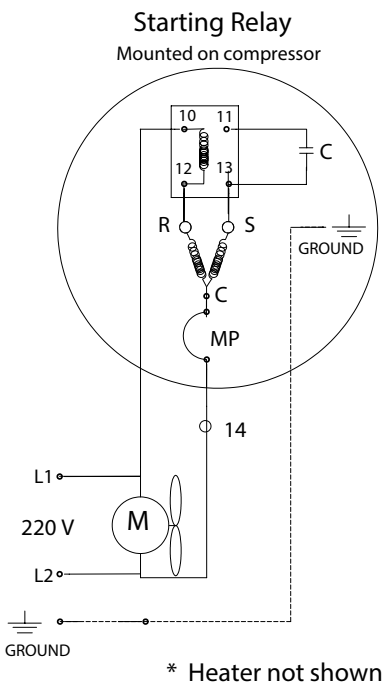
Wiring Diagram 119-3993



* Heater not shown

Ver 5

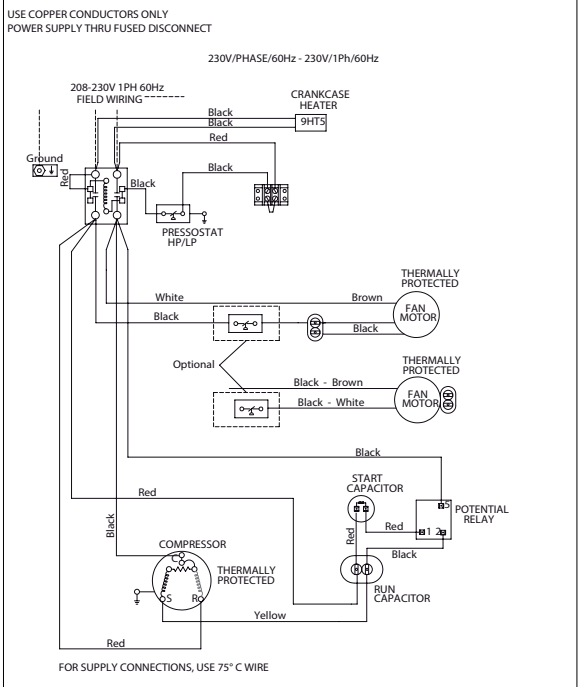
Wiring Diagram 119-3995



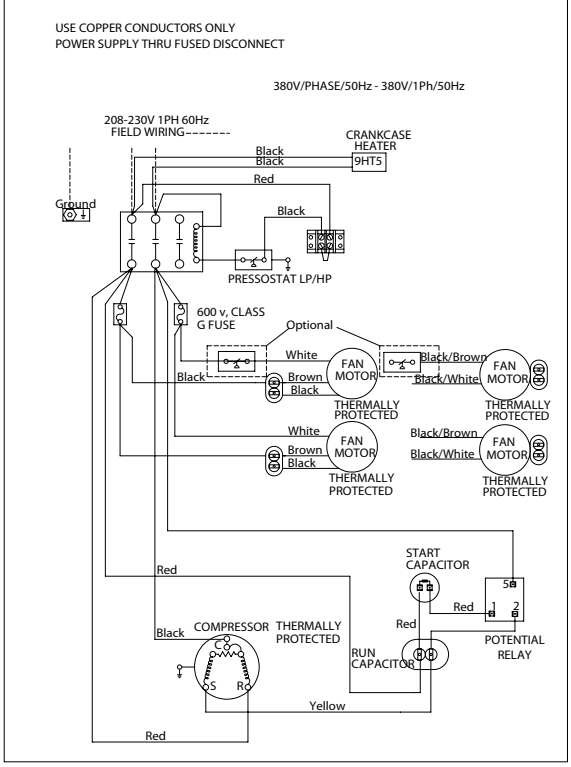
* Heater not shown

Ver 5

Wiring Diagram 119-6401

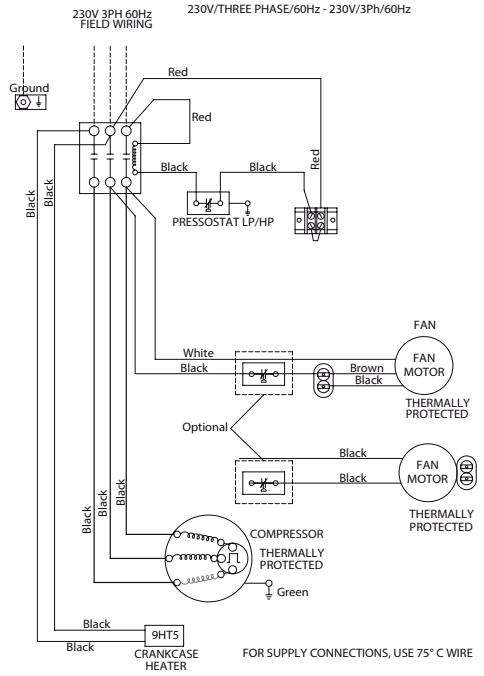


Wiring Diagram 119-6402

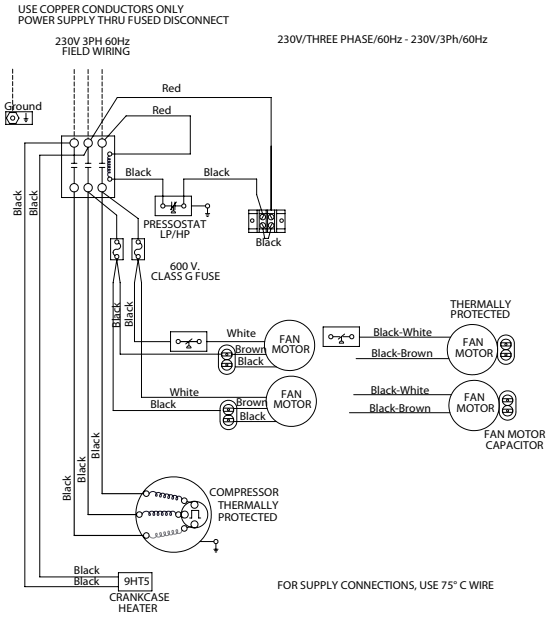


Wiring Diagram 119-6403

USE COPPER CONDUCTORS ONLY
POWER SUPPLY THRU FUSED DISCONNECT

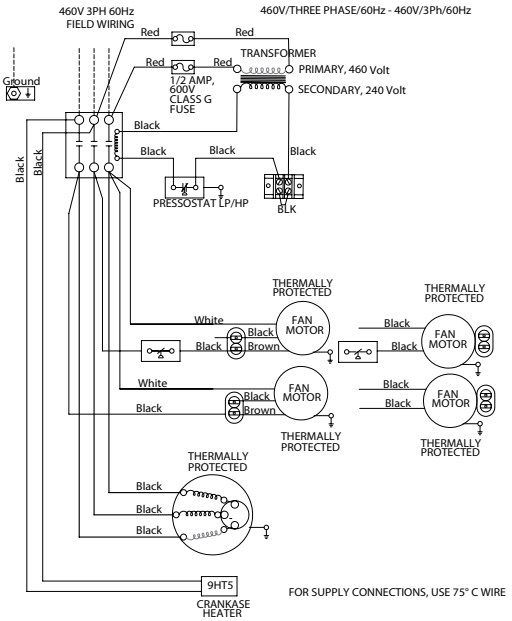


Wiring Diagram 119-6404



Wiring Diagram 119-6405

USE COPPER CONDUCTORS ONLY
POWER SUPPLY THRU FUSED DISCONNECT



Wiring Diagram 119-6406

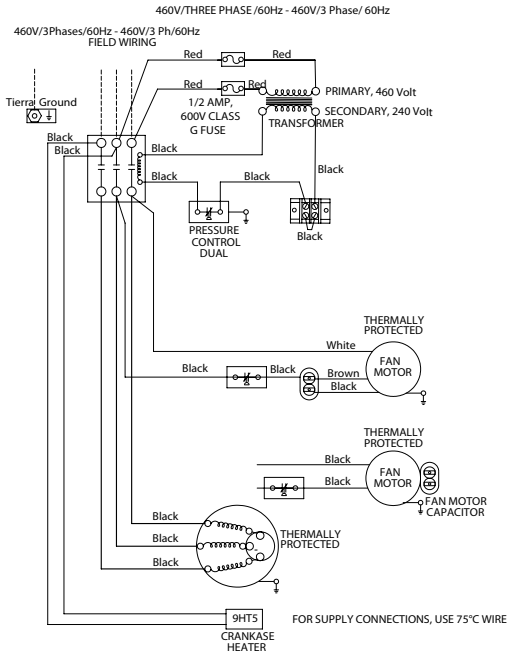


Figure 1

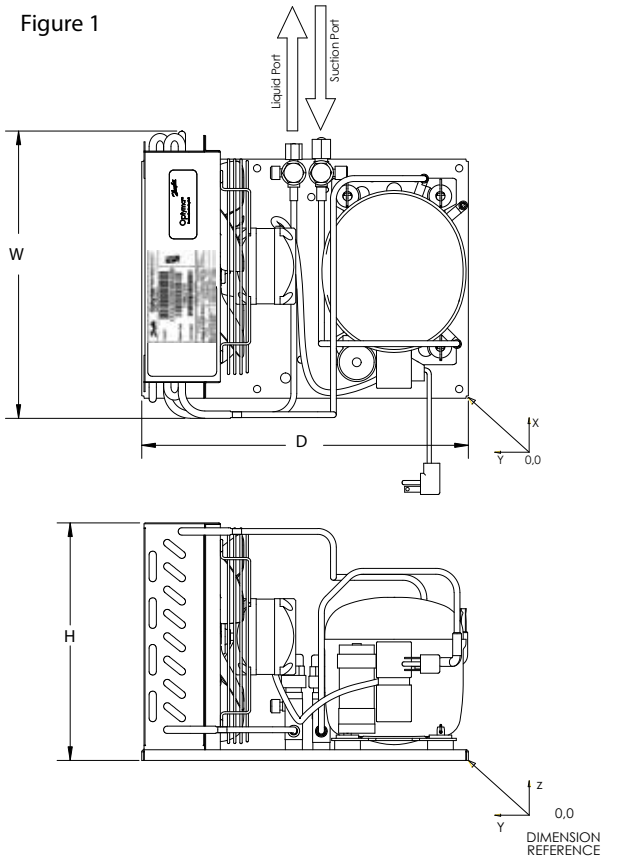


Figure 2

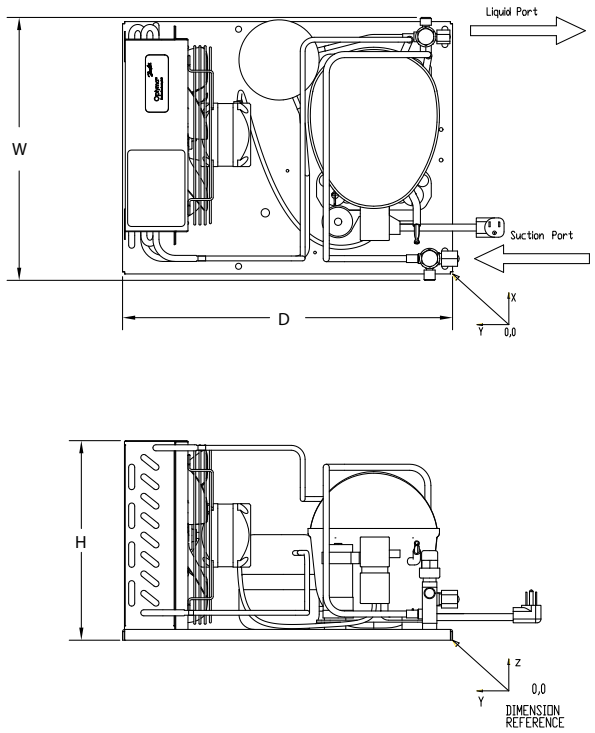


Figure 3

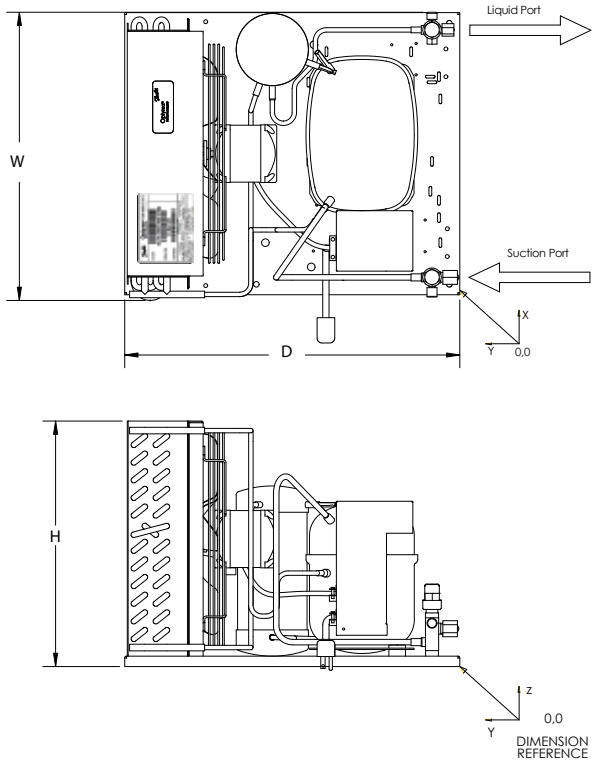


Figure 4

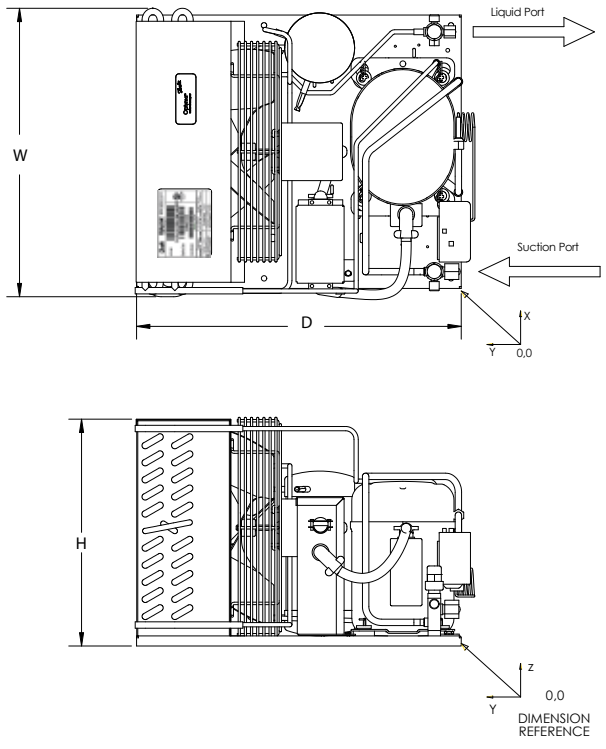
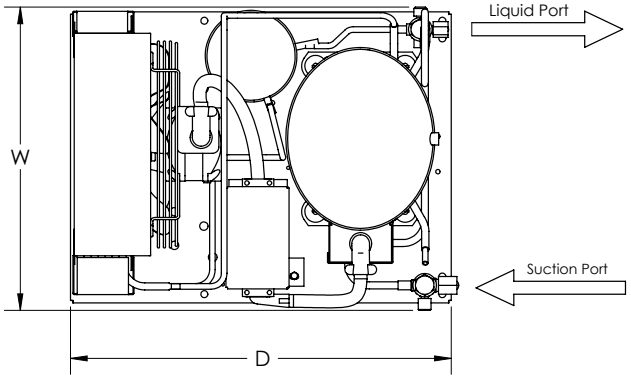


Figure 5



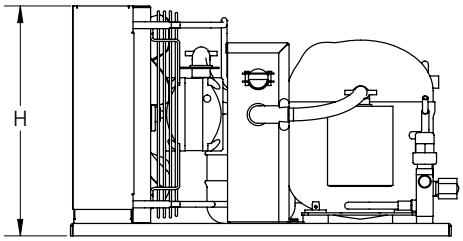


Figure 6a

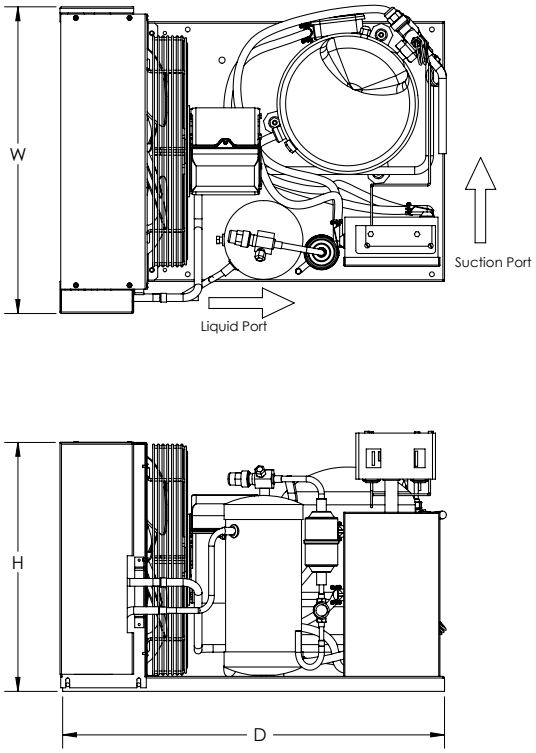


Figure 7a

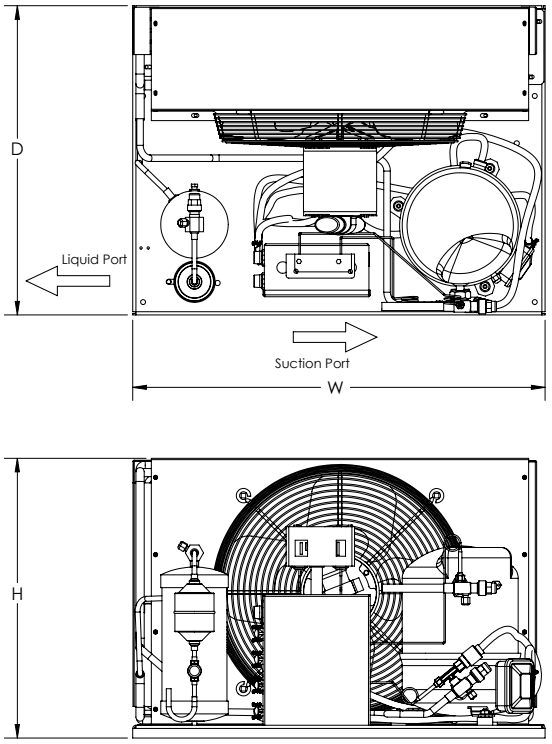


Figure 8a

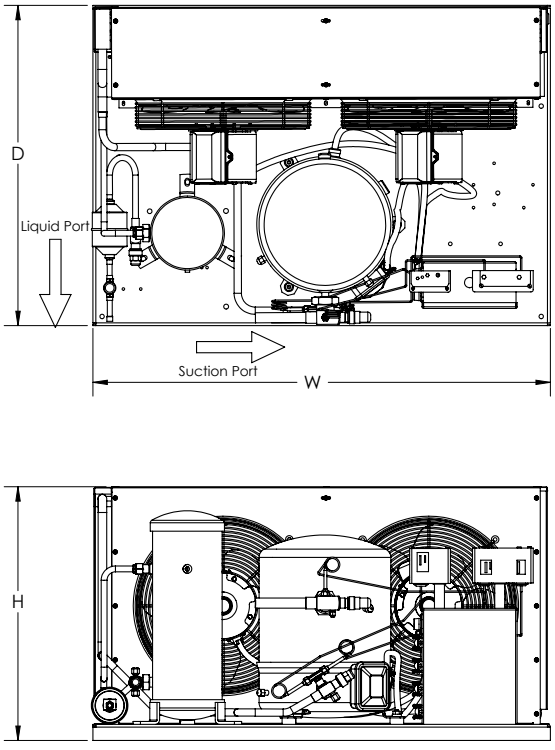
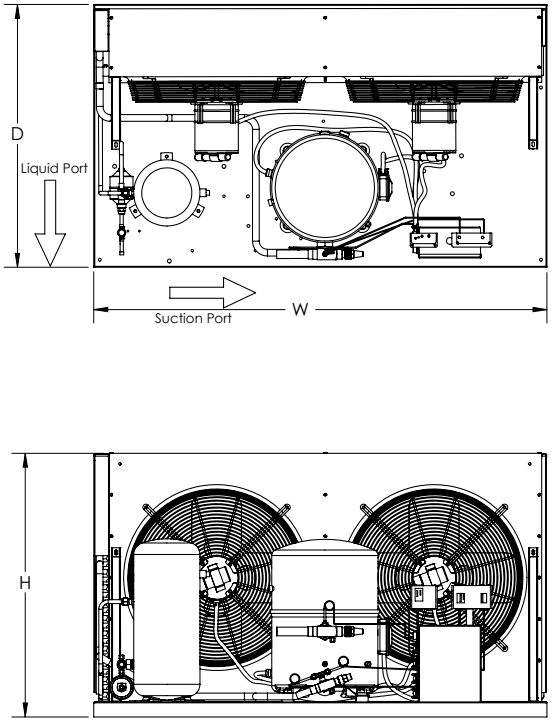
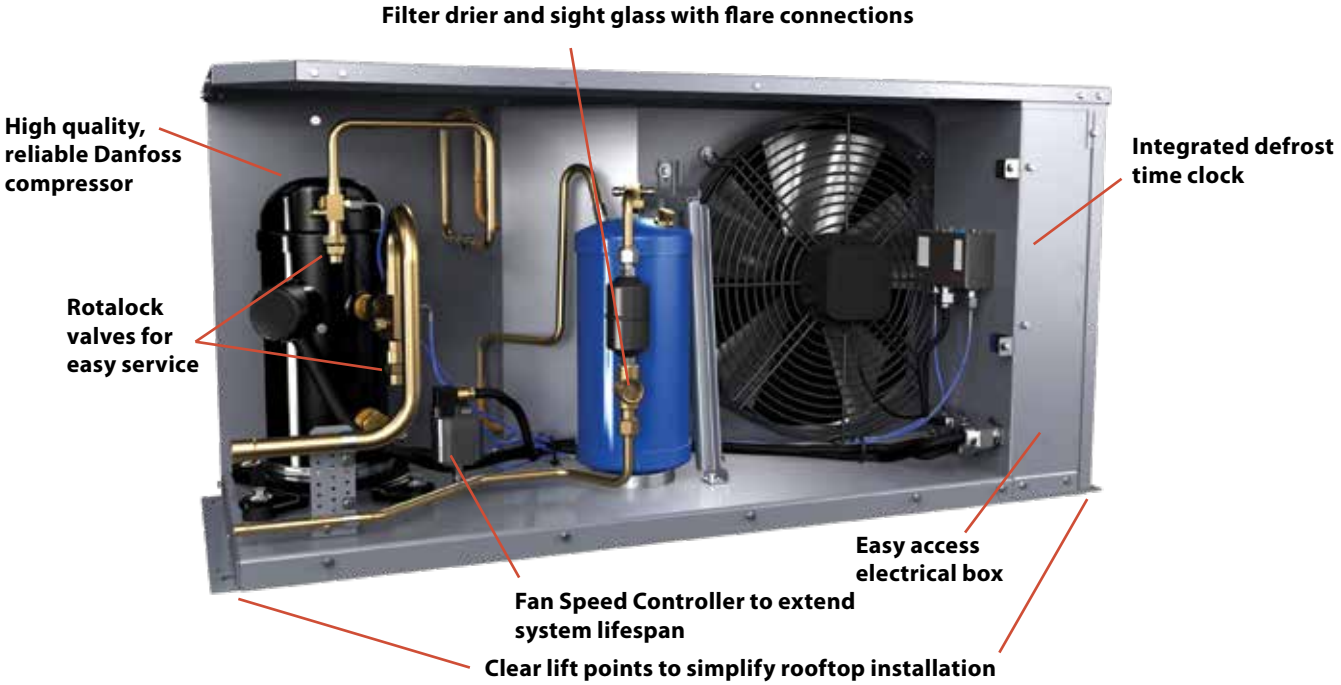


Figure 9a




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	114N3485	MTZ18	90	7668	8819	10040	11330	12680	14100	15590	1705	1629	8.19
			Q	114N3486		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	114N3487	MLZ15	90	12910	14400	15990	17690	19490	21400	23430	2408	2357	8.44
			Q	114N3488		95	12460	13900	15430	17070	18810	20650	22610			8.77
						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	114N3489	MLZ19	90	16790	18660	20650	22770	25020	27390	29900	3013	2944	8.79
			Q	114N3490		95	16240	18040	19960	22000	24170	26460	28870			9.19
						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	114N3491	MLZ21	90	17760	19770	21910	24180	26580	29120	31800	3174	3097	8.92
			Q	114N3492		95	17130	19070	21130	23320	25630	28080	30660			9.24
						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	114N3493	MLZ26	90	22170	24600	27190	29960	32890	35990	39270	3826	3730	9.22
			Q	114N3494		95	21400	23740	26230	28890	31700	34690	37840			9.87
						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	114N3495	MLZ30	90	26300	29140	32180	35420	38860	42510	46370	4455	4336	9.40
			Q	114N3496		95	25260	28000	30920	34040	37360	40890	44610			9.80
						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

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 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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

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	7/8"	1/2"	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	7/8"	1/2"	400	367	39.2	119-8313
														15	119-8640
OP-HRXM0700	N8	5180	3.7	18	22	2	28.8	49.4	31.5	7/8"	1/2"	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 1/8"	5/8"	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 1/8"	5/8"	630	594	65.1	119-8313
														28	119-8640

[1] Dimensions (in) available on page 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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

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 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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

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	7/8"	1/2"	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	7/8"	1/2"	400	367	39.2	119-8313
														15	119-8640
OP-HRXM0700	N8	5180	3.7	18	22	2	28.8	49.4	31.5	7/8"	1/2"	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 1/8"	5/8"	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 1/8"	5/8"	630	594	65.1	119-8313
														28	119-8640

[1] Dimensions (in) available on page 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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

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 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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

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	7/8"	1/2"	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	7/8"	1/2"	400	367	39.2	119-8313
														15	119-8640
OP-HRXM0700	N8	5180	3.7	18	22	2	28.8	49.4	31.5	7/8"	1/2"	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 1/8"	5/8"	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 1/8"	5/8"	630	594	65.1	119-8313
														28	119-8640

[1] Dimensions (in) available on page 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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

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 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

Fan	Model no	Version	Electrical code	Code no	Compressor model	Amb. temp. °F	Capacity range in (btu/hr) at evaporating temperature 10	15	20	25	30	35	40	Power consumption [W] at evap. temp. 25°F	Power consumption [W] at evap. temp. 20°F	AWEF*
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

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	7/8"	1/2"	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	7/8"	1/2"	400	367	39.2	119-8313
														15	119-8640
OP-HRXM0700	N8	5180	3.7	18	22	2	28.8	49.4	31.5	7/8"	1/2"	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 1/8"	5/8"	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 1/8"	5/8"	630	594	65.1	119-8313
														28	119-8640

[1] Dimensions (in) available on page 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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	114N3503	LLZ013	90	11030	12470	14030	15720	17550	19500	21590	23820	3288	3583	3.4
						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	114N3504	LLZ015	90	13550	15280	17170	19210	21420	23800	26350	29070	4001	4317	3.46
						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-LRYM0600	WH	Q	114N3506	LLZ018	90	16310	18430	20730	23220	25930	28840	31960	35290	4851	5243	3.35
						95	-	17890	20110	22500	25090	27870	30860	34040			
						100	-	-	19460	21750	24230	26880	29730	32770			
						105	-	-	-	20970	23330	25860	28570	31460			
						110	-	-	-	-	22400	24810	27380	30120			
	OP-LRYM0800	WH	Q	114N3507	LLZ024	90	20080	22620	25360	28340	31540	34990	38670	42590	5687	6218	3.39
						95	-	21970	24620	27480	30560	33860	37390	41150			
						100	-	-	23850	26590	29540	32700	36080	39680			
						105	-	-	-	25660	28490	31510	34730	38170			
						110	-	-	-	-	27390	30270	33340	36610			

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

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-LNYM0400	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	24.3	119-8313
OP-LNYM0500	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	25.1	119-8313
OP-LRYM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	1 1/8"	1/2"	442	409	28.9	119-8313
														31.0	119-8641
OP-LRYM0800	N8	5180	3.7	18	22	2	28.8	49.4	31.5	1 1/8"	1/2"	442	409	35.9	119-8313
														40.0	119-8641

[1] Dimensions (in) available on page 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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	114N3503	LLZ013	90	13650	15330	17130	19030	21050	23190	25440	27810	3425	3692	3.79
						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			
Two fan	OP-LNYM0500	WH	Q	114N3504	LLZ015	90	16480	18500	20670	23000	25500	28160	30980	33960	4102	4482	3.75
						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-LRYM0600	WH	Q	114N3506	LLZ018	90	20030	22520	25230	28160	31310	34690	38300	42150	4981	5388	3.66
						95	-	21680	24270	27060	30060	33280	36720	40380			
						100	-	-	23280	25940	28790	31850	35110	38580			
						105	-	-	-	24790	27500	30390	33480	36770			
						110	-	-	-	-	26180	28910	31830	34930			
		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	114N3507	LLZ024	90	24700	27740	31030	34560	38360	42410	46720	51290	5906	6419	3.72
						95	-	26680	29810	33190	36800	40650	44750	49090			
						100	-	-	28580	31780	35210	38870	42750	46870			
						105	-	-	-	30350	33600	37060	40730	44610			
						110	-	-	-	-	31950	35210	38670	42330			
		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

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	5/8"	3/8"	187	167	12.8	119-8312
														10	119-8315
OP-LJHM0200	D8	1410	0.9	18	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	119-8493
OP-LNYM0500	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	25.1	119-8493
OP-LRYM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	1 1/8"	1/2"	442	409	28.9	119-8493
														31.0	119-8641
OP-LRYM0800	N8	5180	3.7	18	22	2	28.8	49.4	31.5	1 1/8"	1/2"	442	409	35.9	119-8493
														40.0	119-8641

[1] Dimensions (in) available on page 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

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	114N3503	LLZ013	90	-	13370	15000	16750	18620	20620	3445	3756	3.5
						95	-	-	14400	16080	17870	19780			
						100	-	-	-	15400	17110	18940			
						110	-	-	-	-	15550	17200			
						115	-	-	-	-	-	16320			
Two fan	OP-LNYM0500	WH	Q	114N3504	LLZ015	90	-	16540	18510	20630	22900	25320	4089	4484	3.65
						95	-	-	17760	19790	21960	24290			
						100	-	-	-	18940	21020	23240			
						110	-	-	-	-	19090	21100			
						115	-	-	-	-	-	20020			
	OP-LRYM0600	WH	Q	114N3506	LLZ018	90	-	19770	22140	24710	27470	30430	4975	5443	3.43
						95	-	-	21300	23750	26390	29220			
						100	-	-	-	22780	25300	28000			
						110	-	-	-	-	23060	25500			
						115	-	-	-	-	-	24220			
		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	114N3507	LLZ024	90	-	24420	27320	30440	33770	37320	5946	6555	3.44
						95	-	-	26290	29260	32430	35810			
						100	-	-	-	28050	31070	34270			
						110	-	-	-	-	28230	31100			
						115	-	-	-	-	-	29470			
		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

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	5/8"	3/8"	187	167	12.8	119-8312
														10	119-8315
OP-LJHM0200	D8	1410	0.9	18	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	119-8493
OP-LNYM0500	J8	3700	2.8	18	17.5	1	28.2	47.4	16.5	7/8"	1/2"	295	266	25.1	119-8493
OP-LRYM0600	N8	5180	3.7	18	22	2	28.8	49.4	31.5	1 1/8"	1/2"	442	409	28.9	119-8493
														31.0	119-8641
OP-LRYM0800	N8	5180	3.7	18	22	2	28.8	49.4	31.5	1 1/8"	1/2"	442	409	35.9	119-8493
														40.0	119-8641

[1] Dimensions (in) available on page 59
[2] Wiring diagram available on pages 56-58
For spare parts, see pages 54-55

Spare Parts

Unit	Compressor					Contactor	Service valve		Oil	Crankcase Heater	Acoustic hood
	Model no	Code number	Start capacitor	Run Capacitor	Start Relay		Suction	Discharge			
HJZM0150	MTZ18-1 MTZ18-3	MTZ018-1VI MTZ018-3VI	119-4654	119-5617	119-5616	119-5640	119-4551	119-4545	120Z0648	120Z0459	120Z0575
HNXM0200	MLZ15T1 MLZ15T2	121U8709 121U8711	120Z0399	8173231	120Z0396	119-5640	119-4548	119-4545	120Z0648	120Z5040	120Z5083
HNXM0250	MLZ19T1 MLZ19T2	121U8719 121U8723	120Z0399	120Z0051	120Z0396	119-5640	119-4548	119-4545	120Z0648	120Z5040	120Z5083
HNXM0300	MLZ21T1 MLZ21T2	121U8737 121U8739	120Z0399	120Z0051	120Z0396	119-5640	119-4548	119-4545	120Z0648	120Z5040	120Z5083
HNXM0350	MLZ26T1 MLZ26T2	121U8751 121U8753	120Z0399	120Z0051	120Z0397	N: 119-4553 Q: 119-5640	119-4548	119-4551	120Z0648	120Z5040	120Z5083
HNXM0400	MLZ30T1 MLZ30T2	121U8763 121U8765	120Z0400	8173233	120Z0397	N: 119-5639 Q: 119-5640	119-4548	119-4551	120Z0648	120Z5040	120Z5084
HRXM0500	MLZ38T1 MLZ38T2	121U8775 121U8777	8173001	8173234	120Z0398	N: 119-4553 Q: 119-5639	119-4548	119-4551	120Z0648	120Z5040	120Z5084
HRXM0600	MLZ45T2 MLZ45T4	121U8797 121U8799	----	----	----	119-5639	119-4548	119-4551	120Z0648	Q: 120Z5040 R: 120Z5041	120Z5084
HRXM0700	MLZ48T2 MLZ48T4	121U8807 121U8809	----	----	----	119-5639	119-4548	119-4546	120Z0648	Q: 120Z5040 R: 120Z5041	120Z5084
HRXM0750	MLZ58T2 MLZ58T4	121U8817 121U8819	----	----	----	119-5640	119-4550	119-4548	120Z0648	Q: 120Z5040 R: 120Z5041	120Z5085
HRXM1000	MLZ76T2 MLZ76T4	121U8835 121U8837	----	----	----	119-5640	119-4550	119-4548	120Z0648	Q: 120Z5040 R: 120Z5041	120Z5085

Unit	Condenser	Defrost Timer	Dual pressure switch	Fan	Fan capacitor	Fan speed controller	Filter drier	Receiver	Receiver valve	Sight glass	Sequence phase relay	Fan Cycling	Transformer
HJZM0150	119-4536	119-4552	060-5253	119-4526	119-4529	061H3140	023Z5040	119-4531	119-4544	014L0022	----	----	----
HNXM0200	119-4537	119-4552	060-5253	119-4527	119-4530	061H3140	023Z5041	119-4532	119-4545	014L0022	119-4567	----	----
HNXM0250	119-4537	119-4552	060-5253	119-4527	119-4530	061H3140	023Z5041	119-4532	119-4545	014L0025	119-4567	----	----
HNXM0300	119-4537	119-4552	060-5253	119-4527	119-4530	061H3140	023Z5041	119-4532	119-4545	014L0025	119-4567	----	----
HNXM0350	119-4538	119-4552	060-5253	119-4527	119-4530	061H3140	023Z5044	119-4533	119-4545	014L0025	119-4567	----	----
HNXM0400	119-4538	119-4552	060-5253	119-4527	119-4530	061H3140	023Z5044	119-4533	119-4545	014L0025	119-4567	----	----
HRXM0500	119-4539	119-4552	060-5253	119-4527	119-4530	061H3140	023Z5044	119-4534	119-4545	014L0025	119-4567	----	----
HRXM0600*	119-4539	119-4552	060-5253	Q: 119-4527 R: 191U137850	119-4530	061H3140	023Z5044	119-4534	119-4545	014L0025	119-4567	060-5241	119-8687
HRXM0700*	119-4539	119-4552	060-5253	Q: 119-4527 R: 191U137850	119-4530	061H3140	023Z5044	119-4534	119-4545	014L0025	119-4567	060-5241	119-8687
HRXM0750*	Q: 119-4540 R: 119-8688	119-4552	060-5253	Q: 119-4528 R: 191U137950	119-4530	061H3140	023Z5045	119-4535	119-4551	014L0026	119-4567	060-5241	119-8687
HRXM1000*	Q: 119-4540 R: 119-8688	119-4552	060-5253	Q: 119-4528 R: 191U137950	119-4530	061H3140	023Z5045	119-4535	119-4551	014L0026	119-4567	060-5241	119-8687

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

Spare Parts

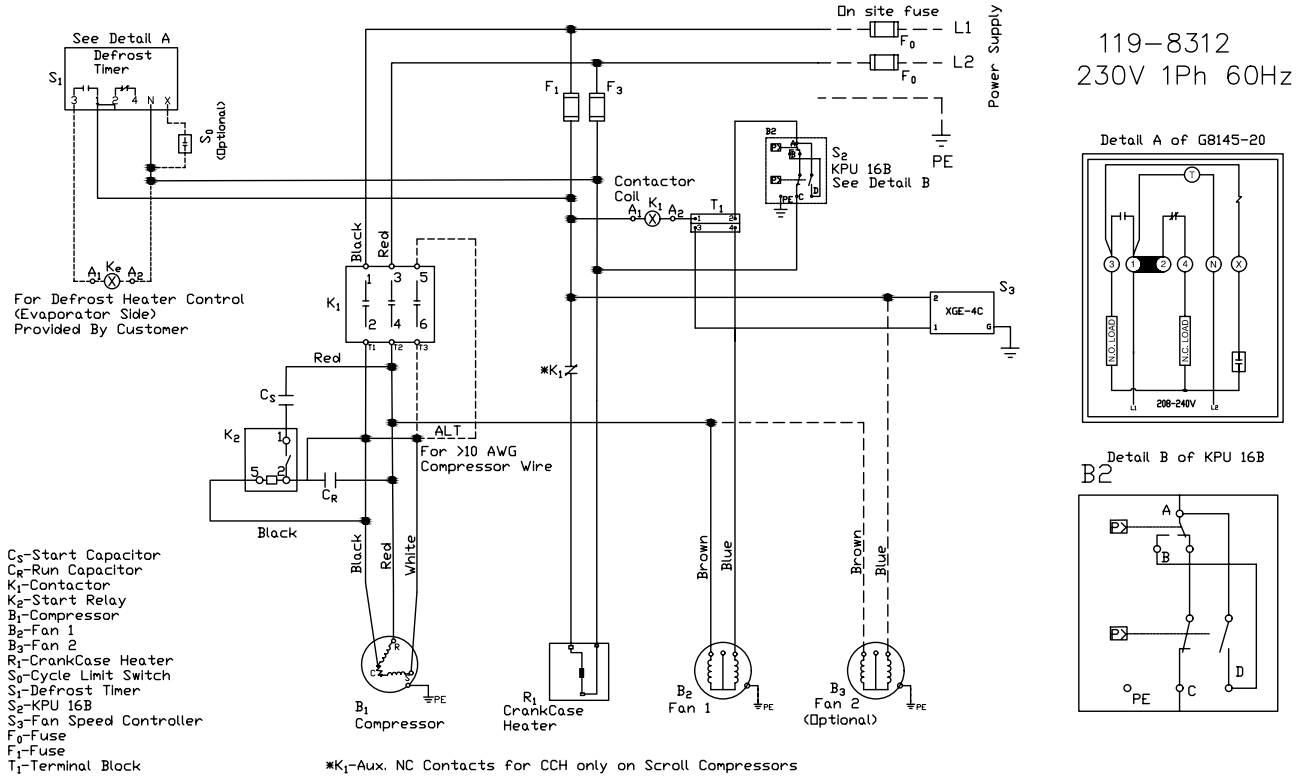
Unit	Compressor					Contactor	Service valve		Oil	Crankcase Heater	Acoustic hood
	Model no	Code number	Start capacitor	Run Capacitor	Start Relay		Suction	Discharge			
LJHM0150	NTZ048-1 NTZ048-3	120F0293 120F0279	119-4654	119-5617	119-5616	119-5640	119-4546	119-4545	7754019	120Z0459	120Z0575
LJHM0200	NTZ068-1 NTZ068-3	120F0294 120F0280	119-5636	119-5619	119-5616	119-5640	119-4546	119-4545	7754019	120Z0459	120Z0575
LNYM0400	LLZ013T2	121L9545	----	----	----	119-5640	119-4548	119-4551	120Z5035	120Z5040	120Z5052
LNYM0500	LLZ015T2	121L9547	----	----	----	119-5640	119-4548	119-4551	120Z5035	120Z5040	120Z5052
LRYM0600	LLZ018T2 LLZ018T4	121L9549 121L9539	----	----	----	119-5639	119-4549	119-4546	120Z5035	Q: 120Z5040 R: 120Z5041	120Z5052
LRYM0800	LLZ024T2 LLZ024T2	121L9551 121L9541	----	----	----	119-5639	119-4549	119-4546	120Z5035	Q: 120Z5040 R: 120Z5041	120Z5053

Unit	Condenser	Defrost Timer	Dual pressure switch	Fan	Fan capacitor	Fan speed controller	Filter drier	Receiver	Receiver valve	Sight glass	Sequence phase relay	Suction accumulator
LJHM0150	119-4536	119-4552	060-5253	119-4526	119-4529	061H3140	023Z5040	119-4531	119-4544	014L0022	----	119-4541
LJHM0200	119-4536	119-4552	060-5253	119-4526	119-4529	061H3140	023Z5040	119-4531	119-4544	014L0022	----	119-4541
LNYM0400	119-4538	119-4552	060-5253	119-4527	119-4530	061H3140	023Z5044	119-4533	119-4545	014L0025	119-4567	119-4542
LNYM0500	119-4538	119-4552	060-5253	119-4527	119-4530	061H3140	023Z5044	119-4533	119-4545	014L0025	119-4567	119-4542
LRYM0600*	119-4539	119-4552	060-5253	Q: 119-4527 R:191U137850	119-4530	061H3140	023Z5044	119-4535	119-4551	014L0025	119-4567	119-4543
LRYM0800*	119-4539	119-4552	060-5253	Q: 119-4527 R:191U137850	119-4530	061H3140	023Z5044	119-4535	119-4551	014L0025	119-4567	119-4543

Unit	LI valve		Solenoid Coil		Fan Cycling	Transformer
LNYM0400	068F4079	AKVH10-1	018F4135	BX240BS	----	----
LNYM0500	068F4079	AKVH10-1	018F4135	BX240BS	----	----
LRYM0600*	068F4079	AKVH10-1	018F4135	BX240BS	060-5241	119-8687
LRYM0800*	068F4080	AKVH10-2	018F4135	BX240BS	060-5241	119-8687

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

Wiring Diagram 119-8312



119–8312
230V 1Ph 60Hz

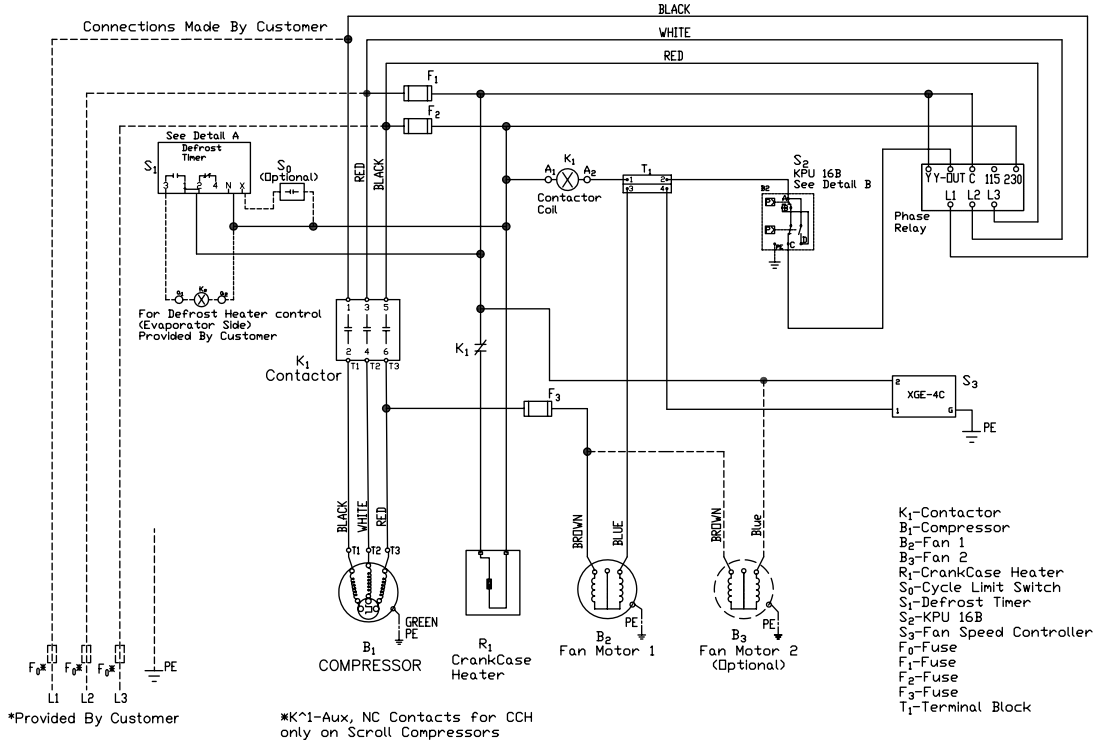
Detail A of G8145-20

Detail B of KPU 16B

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

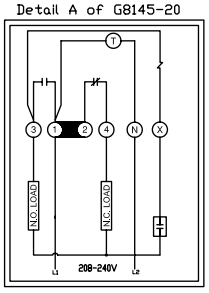
*K_1–Aux. NC Contacts for CCH only on Scroll Compressors

Wiring Diagram 119-8313

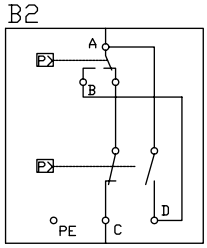


119–8313
220V 3PH 60Hz

Detail A of G8145-20



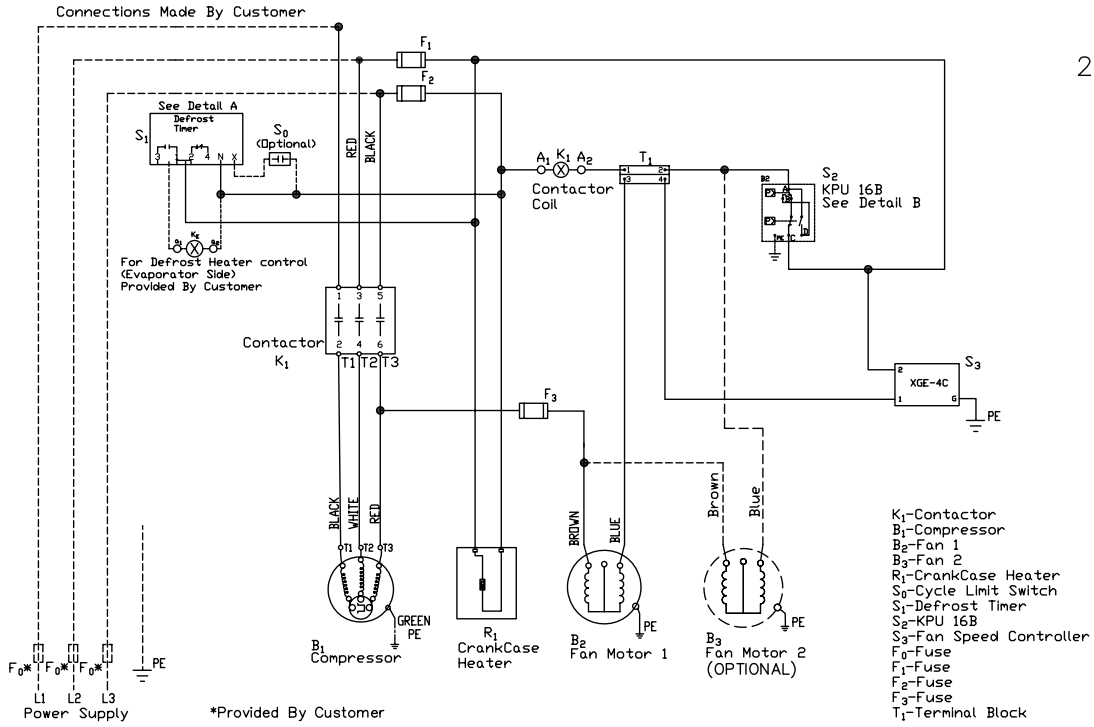
Detail B of KPU 16B



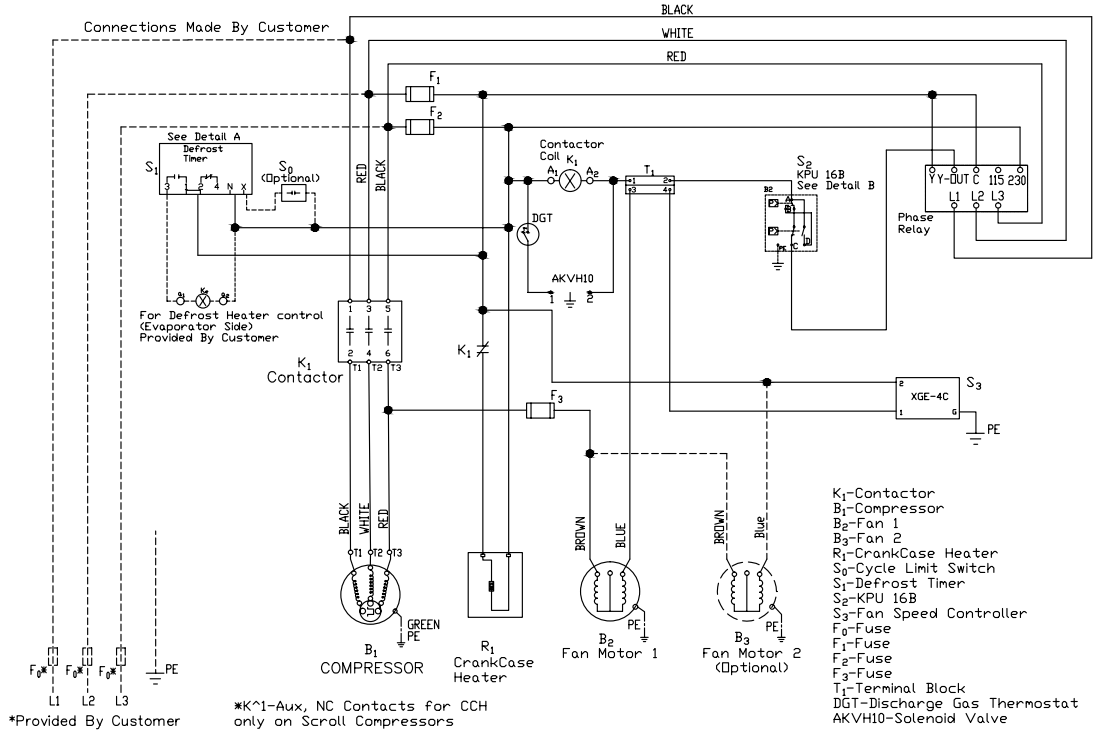
K_1–Contactor
B_1–Compressor
B_2–Fan 1
B_3–Fan 2
R_1–CrankCase Heater
S_0–Cycle Limit Switch
S_1–Defrost Timer
S_2–KPU 16B
S_3–Fan Speed Controller
F_0–Fuse
F_1–Fuse
F_2–Fuse
F_3–Fuse
T_1–Terminal Block

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

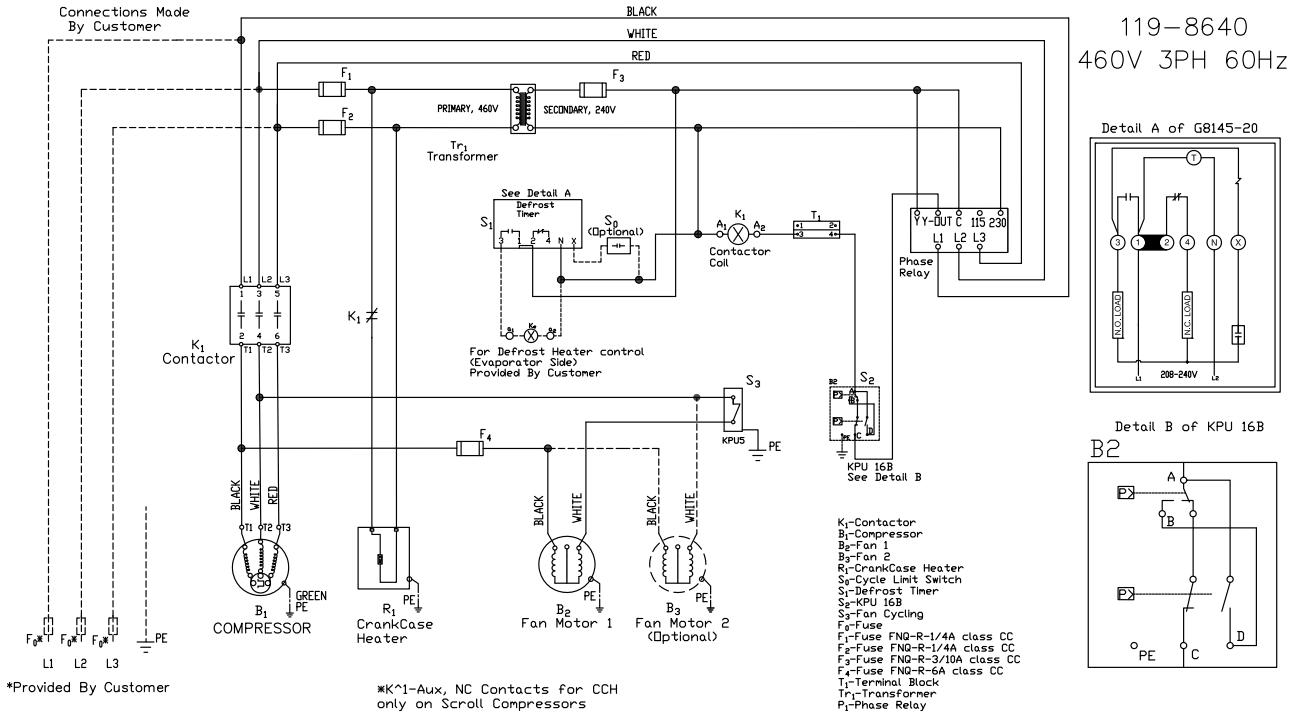
Wiring Diagram 119-8315



Wiring Diagram 119-8493



Wiring Diagram 119-8640



Wiring Diagram 119-8641

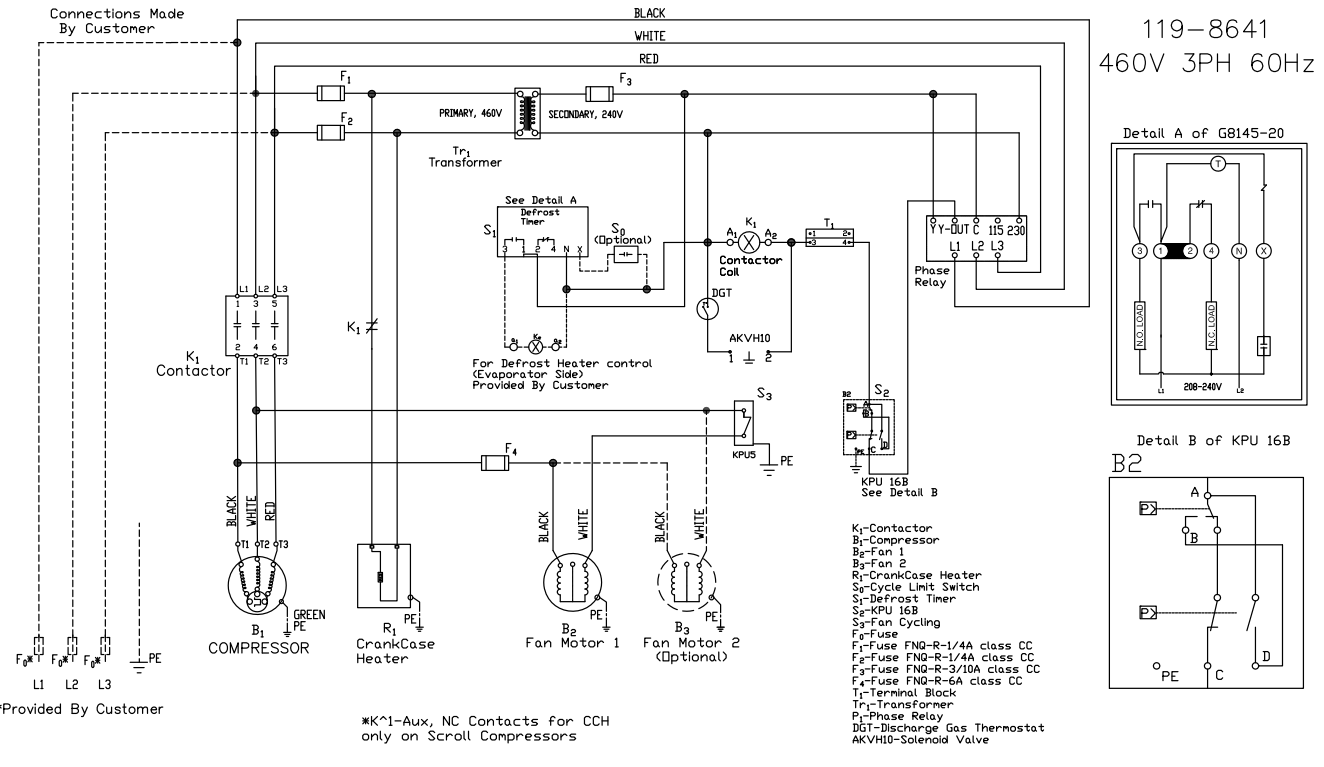


Figure 1

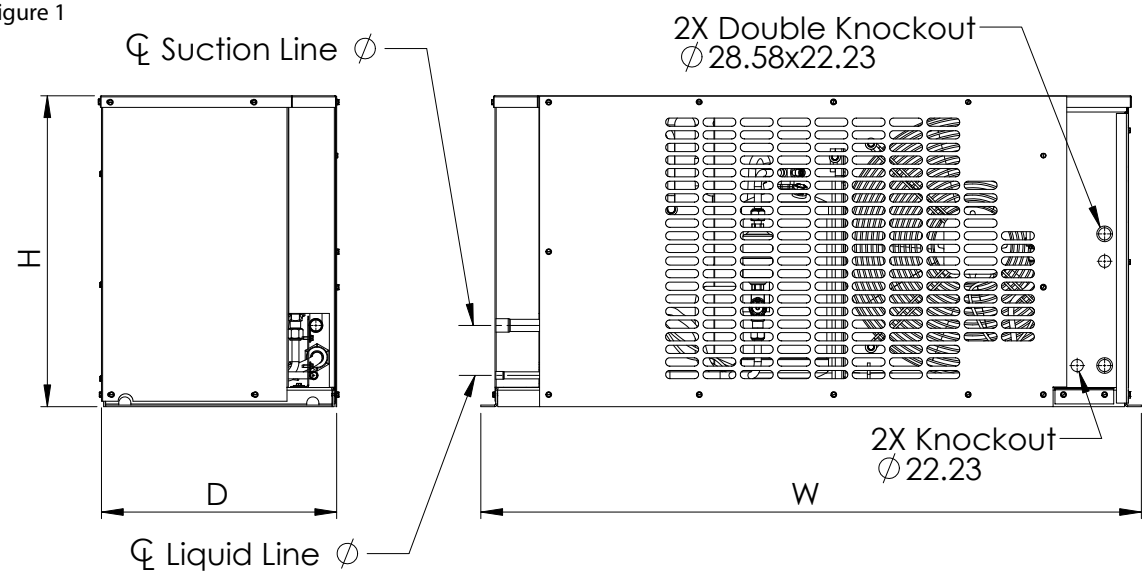
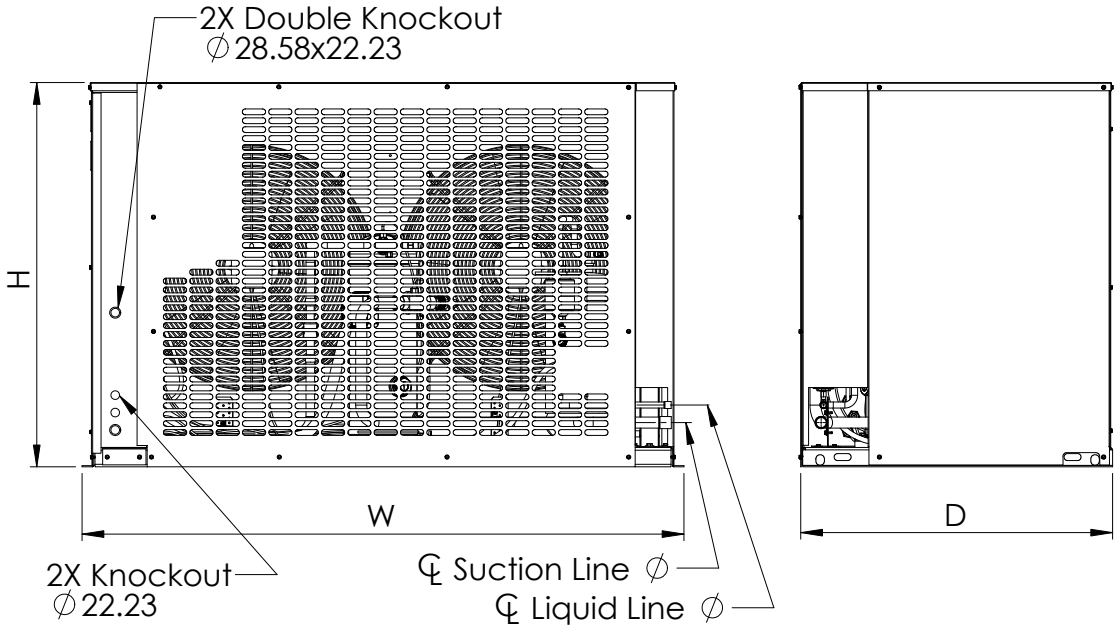


Figure 2



ENGINEERING
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Danfoss Commercial Compressors

is a worldwide manufacturer of compressors and condensing units for refrigeration and HVAC applications. With a wide range of high quality and innovative products we help your company to find the best possible energy efficient solution that respects the environment and reduces total life cycle costs.

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Danfoss Turbocor Compressors



Danfoss Inverter Scrolls



Danfoss Scrolls



Danfoss Optyma Condensing Units



Danfoss Maneurop Reciprocating Compressors



Danfoss Light Commercial Refrigeration Compressors

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