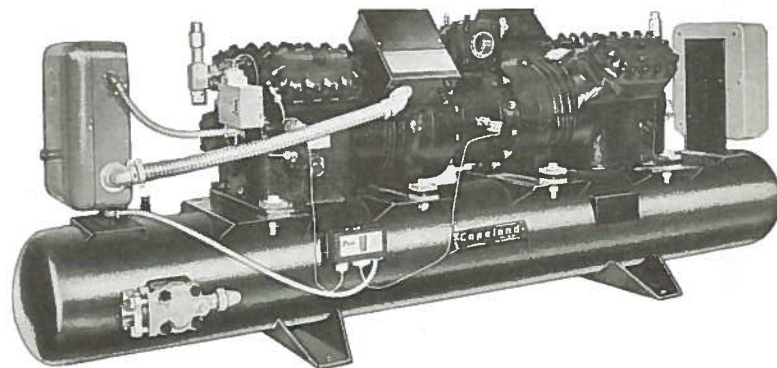
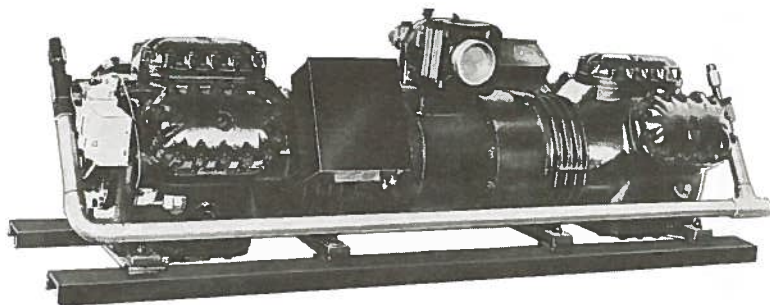


TANDEM

- MOTOR-COMPRESSORS
AND
- "G"-LINE UNITS
FOR REMOTE CONDENSER APPLICATIONS

FEATURES

- Wide Selection Range 10 H.P. thru 70 H.P.
- Individual Copelametic Motor-Compressors Coupled by a Common Suction Housing (No Interconnecting Shaft)
- Individual Running for Simple, Trouble Free Capacity Control For Maximum Power Savings
- Individual Starting for Low Current Inrush
- Common Suction Line
- No Oil Equalization Problems
- External Capacity Control Available on One or Both Motor-Compressors
- Solid Mountings
- Inherent Motor Protection or Internal Motor Thermostats on All Models
- Suction Screen Standard
- Two Oil Pressure Controls Included As Standard
- Ease of Replacements Due To Nationwide Stocking of Individual Copelametic Motor-Compressors



Tandem Copelametic Motor-Compressor Specifications

MODEL NO.	HORSE POWER	CONSISTING OF TWO MODELS	APPLICATION			DISPLACEMENT C.F.H.	LENGTH	WIDTH	HEIGHT	HEIGHT WITH VERTICAL FAN	BASE MOUNTING CENTERS	DISCHARGE CONNECTION I.D.	SUCTION CONNECTION I.D.	ELECTRICAL CHARACTERISTICS					NET WEIGHT LBS.	SHIPPING WEIGHT LBS.
			R-12	R-22	R-502									230-1-60	208/220-3-60	440-3-60	550-3-60	208/220-440-3-60		
MMA*-1000	10	MRA*-0500	M		L	2160	49"	14"	18 ¹⁷ / ₃₂ "	29 ²³ / ₃₂ "	11" x 44"	1 ¹ / ₈ "	2 ¹ / ₈ "	F	F	F	F		613#	691#
MMF*-1000		MRF*-0500	H			2160	49"	14"	18 ¹⁷ / ₃₂ "	—	11" x 44"	1 ¹ / ₈ "	2 ¹ / ₈ "	F	F	F	F		629#	707#
99A*-1000		9RA*-0500	M			2750	56"	15 ¹ / ₂ "	19 ³ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "	F	F	F	F		713#	784#
99B*-1000		9RB*-0500	L			3240	56"	15 ¹ / ₂ "	—	30 ¹ / ₂ "	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "	F	F	F	F		711#	782#
†99K*-1000		9TK*-0500		XL	XL	2750	56"	15 ¹ / ₂ "	22 ¹ / ₈ "	—	12" x 50"	(2) ⁷ / ₈ "	2 ¹ / ₈ "		F	F			719#	790#
MMH*-1520	15	MRH*-0760		H	M	2272	49"	14"	18 ¹⁷ / ₃₂ "	—	11" x 44"	1 ³ / ₈ "	2 ¹ / ₈ "		F	F	F		637#	712#
99A*-1520		9RA*-0760			M	2750	56"	15 ¹ / ₂ "	19 ³ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "		F	F	F		741#	812#
99B*-1520		9RB*-0760	M		L	3240	56"	15 ¹ / ₂ "	19 ³ / ₈ "	30 ¹ / ₂ "	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "		F	F	F		715#	794#
99C*-1520		9RC*-0760	H			3240	56"	15 ¹ / ₂ "	19 ³ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "		F	F	F		729#	807#
99S*-1520		9RS*-0760	M		L	4240	56"	15 ¹ / ₂ "	19 ³ / ₈ "	30 ¹ / ₂ "	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "		F	F	F		707#	787#
44A*-1500		4RA*-0750	L			4760	57 ⁵ / ₈ "	18 ¹ / ₂ "	—	27 ³ / ₄ "	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "				D	D	853#	924#
†99L*-1520		9TL*-0760		L	L	3240	56"	15 ¹ / ₂ "	22 ¹ / ₈ "	—	12" x 50"	(2) ⁷ / ₈ "	2 ¹ / ₈ "		F	F			765#	836#
†99H*-1520		9TH*-0760		XL	XL	4240	56"	15 ¹ / ₂ "	22 ¹ / ₈ "	—	12" x 50"	(2) ⁷ / ₈ "	2 ¹ / ₈ "		F	F	F		765#	836#
99C*-2020		20	9RC*-1010		H	M	3240	56"	15 ¹ / ₂ "	19 ³ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "	H	H	H			744#
§99P-2020	9RP*-1010				H	3240	56"	16 ¹ / ₂ "	23 ³ / ₄ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "	H	H	H			775#	855#
44A*-2000	4RA*-1000		H		L	4760	57 ⁵ / ₈ "	18 ¹ / ₂ "	18 ⁵ / ₈ "	27 ³ / ₄ "	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "			D	D		857#	928#
§44E*-2000	4RE*-1000		H			4760	60 ³ / ₄ "	22"	19 ⁵ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "			D	D		890#	960#
66A*-2000	6RA*-1000		L			7160	63 ³ / ₈ "	22 ⁵ / ₈ "	—	27"	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			D	D		933#	1020#
†99H*-2020	9TH*-1010			L	L	4240	56"	15 ¹ / ₂ "	22 ¹ / ₈ "	—	12" x 50"	(2) ⁷ / ₈ "	2 ¹ / ₈ "	H	H	H			783#	860#
†66B*-2000	6RB*-1000			XL		7160	63 ³ / ₈ "	22 ⁵ / ₈ "	21 ⁵ / ₈ "	—	12" x 55"	(2) 1 ³ / ₈ "	1 ⁵ / ₈ "			D	D		913#	992#
99S*-3000	30		9RS*-1500		H	M	4240	56"	15 ¹ / ₂ "	19 ³ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "	H	H	H			794#
§99T*-3000		9RT*-1500			H	4240	56"	16 ¹ / ₂ "	23 ³ / ₄ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "	H	H	H			826#	904#
44H*-3000		4RH*-1500	H			6040	57 ⁵ / ₈ "	21 ³ / ₈ "	18 ¹ / ₁₆ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "				M			
44L*-3000		4RL*-1500			L	6040	57 ⁵ / ₈ "	21 ³ / ₈ "	—	29 ⁵ / ₈ "	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "				M		931#	1032#
§44K*-3000		4RK*-1500	H			6040	60 ³ / ₄ "	22 ³ / ₈ "	19 ⁵ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "				M			
44A*-4000	40	4RA*-2000		H	M	4760	57 ⁵ / ₈ "	21"	18 ⁵ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "			D	D		869#	947#
§44E*-4000		4RE*-2000		H	M	4760	60 ³ / ₄ "	22"	19 ⁵ / ₈ "	—	12" x 50"	1 ³ / ₈ "	2 ¹ / ₈ "			D	D		899#	977#
66A*-4000		6RA*-2000	H		L	7160	63 ³ / ₈ "	22 ⁵ / ₈ "	20 ¹ / ₄ "	27"	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			D	D		953#	1038#
§66E*-4000		6RE*-2000	H			7160	66 ¹ / ₂ "	26"	20 ¹ / ₄ "	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			D	D		985#	1070#
66H*-4000		6RH*-2000	H			9060	63 ³ / ₈ "	23"	20 ¹ / ₄ "	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			M	M		933#	1032#
§66K*-4000		6RK*-2000	H			9060	66 ¹ / ₂ "	26"	20 ¹ / ₄ "	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			M	M		965#	1062#
†66B*-4000		6RB*-2000			XL	7160	63 ³ / ₈ "	22 ⁵ / ₈ "	21 ⁵ / ₈ "	—	12" x 55"	(2) 1 ³ / ₈ "	1 ⁵ / ₈ "			D	D		933#	1012#
†66M*-4000		6TM*-2000		XL	XL	9060	63 ³ / ₈ "	23"	21 ³ / ₄ "	—	12" x 55"	(2) 1 ³ / ₈ "	2 ¹ / ₈ "				M			
44H*-5000		50	4RH*-2500		H	M	6040	60 ¹ / ₈ "	21 ³ / ₈ "	20 ¹ / ₄ "	—	12" x 55"	1 ³ / ₈ "	2 ⁵ / ₈ "			M	M		954#
§44K*-5000	4RK*-2500			H		6040	63 ¹ / ₄ "	22 ³ / ₈ "	20 ¹ / ₄ "	—	12" x 55"	1 ³ / ₈ "	2 ⁵ / ₈ "			M	M		984#	1055#
66L*-5000	6RL*-2500				L	9060	63 ³ / ₈ "	22 ⁵ / ₈ "	—	30"	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			M	M			
66A*-6000	60	6RA*-3000		H	M	7160	63 ³ / ₈ "	22 ⁵ / ₈ "	20"	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			D	D		1029#	1100#
§66E*-6000		6RE*-3000		H		7160	66 ¹ / ₂ "	26"	20"	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			D	D		1060#	1130#
§66N*-6000		6RN*-3000		H		7160	66 ¹ / ₂ "	26"	20"	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			D	D		1080#	1150#
66H*-7000	70	6RH*-3500		H	M	9060	63 ³ / ₈ "	23"	20"	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			M	M		1071#	1154#
§66K*-7000		6RK*-3500		H		9060	66 ¹ / ₂ "	26"	20"	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			M	M		1100#	1165#
§66P*-7000		6RP*-3500		H		9060	66 ¹ / ₂ "	26 ³ / ₈ "	20"	—	12" x 55"	1 ⁵ / ₈ "	3 ¹ / ₈ "			M	M		1120#	1185#

H—High Temperature (45° F. to 0° F.)
M—Medium Temperature (25° F. to -5° F.)
L—Low Temperature (-5° F. to -40° F.)
XL—Extra Low Temperature (-20° F. and Below)

§ Capacity Control Models
† Two Stage

D—Internal Thermostat (Use starter with ambient compensating protection)
F—Internal Inherent (Line break) (Use with contactor)
H—Internal Thermostat(s) and supplementary protectors (Use with contactor)
M—Internal Thermostat, Anticipating Type (Use with contactor)

* This symbol may be any number (1, 2, 3 etc.) depending on body changes.

Copelametic "G"-Line Tandem Unit Specifications

FOR REMOTE CONDENSER APPLICATIONS

CONDENSING UNIT MODEL	COMPRESSOR MODEL	HORSE POWER	LENGTH	WIDTH	HEIGHT	HEIGHT WITH VERTICAL FAN	BASE MOUNTING CENTERS	DISCHARGE CONNECTION I.D.	LIQUID VALVES	SUCTION CONNECTION I.D.	RECEIVER CAPACITY 90% FULL	ELECTRICAL CHARACTERISTICS				NET WEIGHT LBS.	SHIPPING WEIGHT LBS.
												230-1-60	208/220-3-60	440-3-60	550-3-60		
R-12																	
GSNH-1000	MMF*-1000	10	68"	20"	26 7/8"	—	18"x38"	1 1/8"	7/8"	2 1/8"	147#	F	F	F	F	824#	1034#
GSNM-1000	99A*-1000	10	68"	20"	27 3/4"	—	18"x38"	1 3/8"	7/8"	2 1/8"	147#	F	F	F	F	924#	1134#
GSNL-1000	99B*-1000	10				38 7/8"	18"x38"	1 3/8"	7/8"	2 1/8"		F	F	F	F		
GSNH-1500	99C*-1520	15	86"	20"	27 3/4"	—	18"x38"	1 3/8"	1 1/8"	2 1/8"	187#		F	F	F	867#	1080#
GSNM-1500	99S*-1520	15	86"	20"	27 3/4"	—	18"x38"	1 3/8"	1 1/8"	2 1/8"	187#		F	F	F	884#	1097#
GCNL-1500	99S*-1520	15	86"	20"		38 7/8"	18"x38"	1 3/8"	1 1/8"	2 1/8"	187#		F	F	F	905#	1120#
GSNL-1500	44A*-1500	15	86"	20"		36 1/8"	18"x38"	1 3/8"	1 1/8"	2 1/8"	187#				D	1081#	1294#
GSNH-2000	44A*-2000	20	86"	20"	27"	—	18"x38"	1 3/8"	1 1/8"	2 1/8"	187#				D	1065#	1278#
GSNL-2000	66A*-2000	20					18"x38"	1 5/8"		3 1/8"					D		
GSNH-3000	44H*-3000	30	86"	21"	28 1/4"	—	18"x38"	1 3/8"	1 1/8"	2 1/8"	233#				M	1095#	1305#
GSNH-4000	66A*-4000	40	86"	22 3/4"	30 5/8"	—	18"x38"	1 5/8"	1 5/8"	3 1/8"	285#				D	1211#	1424#
GCNH-4000	66H*-4000	40	86"	23"	30 5/8"	—	18"x38"	1 5/8"	1 5/8"	3 1/8"	285#				M	1211#	1424#
R-22																	
G2NH-1500	MMH*-1520	15	86"	20"	26 7/8"	—	18"x38"	1 3/8"	1 1/8"	2 1/8"	168#		F	F	F	865#	1078#
G2NM-1500	99A*-1520	15	86"	20"	27 3/4"	—	18"x38"	1 3/8"	1 1/8"	2 1/8"	168#		F	F	F	968#	1132#
G2NH-2000	99C*-2020	20	86"	20"	27 3/4"	—	18"x38"	1 3/8"	1 1/8"	2 1/8"	168#		H	H	H	1029#	1242#
†G2NU-2000	66B*-2000	20	82 1/8"	34 1/4"	34"	—	18"x38"	1 5/8"	7/8"	1 5/8"	344#				D	1404#	1695#
G2NH-3000	99S*-3000	30	86"	20"	28 7/8"	—	18"x38"	1 3/8"	1 1/8"	2 1/8"	211#		H	H	H	1044#	1244#
G2NH-4000	44A*-4000	40	86"	21"	29"	—	18"x38"	1 3/8"	1 3/8"	2 1/8"	259#				D	1157#	1370#
†G3NU-4000	66M*-4000	40					18"x38"	2 1/8"		2 1/8"					M		
G2NH-5000	44H*-5000	50	96"	23 3/8"	32 3/4"	—	18"x38"	1 3/8"	1 3/8"	2 5/8"	403#				M	1250#	1460#
G2NH-6000	66A-6000	60	96"	25"	33 3/8"	—	18"x38"	1 5/8"	1 5/8"	3 1/8"	403#				D	1325#	1538#
G2NH-7000	66H-7000	70	96"	25"	34 5/8"	—	18"x38"	1 5/8"	1 5/8"	3 1/8"	488#				M	1380#	1593#
R-502																	
G2NL-1000	MMA*-1000	10	68"	20"		38"	18"x38"	1 1/8"	7/8"	2 1/8"	138#	F	F	F	F	859#	1069#
G2NL-1500	99B*-1520	15	86"	20"		38 7/8"	18"x38"	1 3/8"	1 1/8"	2 1/8"	176#		F	F	F	969#	1182#
G3NL-1500	99S*-1520	15	86"	20"		38 7/8"	18"x38"	1 3/8"	1 1/8"	2 1/8"	176#		F	F	F	969#	1182#
G3NL-2000	44A*-2000	20	86"	20"		36 1/8"	18"x38"	1 3/8"	1 1/8"	2 1/8"	176#				D	1082#	1295#
G3NL-3000	44L*-3000	30	86"	21 3/8"		39 1/8"	18"x38"	1 3/8"	1 1/8"	2 1/8"	218#				M	1160#	1360#
G2NL-4000	66A*-4000	40	86"	22 3/4"	—	37 1/2"	18"x38"	1 5/8"	1 5/8"	3 1/8"	270#				D	1283#	1496#
†G2NU-4000	66B*-4000	40	82 1/8"	34 1/4"	34"	—	18"x38"	1 5/8"	7/8"	1 5/8"	358#				D	1406#	1697#
†G3NU-4000	66M*-4000	40					18"x38"	2 1/8"	1 1/8"	2 1/8"					M		
G3NL-5000	66L*-5000	50			—		18"x38"	1 3/8"	1 3/8"	3 1/8"					M		

220-3-60 Models have 230-1-60 fan motors.

440-3-60 Models with vertical fan have 440-1-60 motors.

550-3-60 Models have 230-1-60 fan motors.

All compressors may be operated at voltages ranging from 10% below the minimum nameplate rating to 10% above the maximum nameplate rating.

Capacity (B.T.U. Hour)

R-12			Evaporating Temperature							
Condensing Unit Model	Compressor Model	HP	45°F.	25°F.	0°F.	-5°F.	-20°F.	-40°F.	-60°F.	
			Suction Pressure, PSIG and In. Vac.							
			41.7#	24.6#	9.2#	6.7#	0.6#	11.0"		
GSNH-1000 GSNM-1000 GSNL-1000 —	MMF*-1000 99A*-1000 99B*-1000 MMA*-1000	10 10 10 10	112000	72500 89400	36000 46800		55600 34400	36000	16600	
GSNH-1500 GSNM-1500 GSNL-1500 GCNL-1500 —	99C*-1520 99S*-1520 44A*-1500 99S*-1520 99B*-1520	15 15 15 15 15	167200	108000 133000	54400 81000	72000 80000 71200 57000	52000 46000	24000 18000		
GSNH-2000 GSNL-2000	44A*-2000 66A*-2000	20 20	248000	164000	92000		120000 79000	38000		
GSNH-3000	44H-3000	30	306000	200000	118000					
GSNH-4000 GCNH-4000	66A-4000 66H-4000	40 40	372000 504000	248000 320000	140000 176000					
R-22			Evaporating Temperature							
Condensing Unit Model	Compressor Model	HP	45°F.	25°F.	0°F.	-5°F.	-20°F.	-40°F.	-60°F.	
			Suction Pressure, PSIG and In. Vac.							
			76.6#	49.0#	24.1#	20.2#	10.3#	0.6#	11.9"	
† —	99K*-1000	10					49200	31000	18200	
G2NH-1500 G2NM-1500 † — † —	MMH*-1520 99A*-1520 99H*-1520 99L*-1520	15 15 15 15	198000	128000 148000	64000 78000	66000 82000	76000 58400	46400 37200	27200	
G2NH-2000 †G2NU-2000 † —	99C*-2020 66B*-2000 99H*-2020	20 20 20	276000	180000	96000		132000 78400	82000 49600	47000	
G2NH-3000	99S*-3000	30	372000	238000	112000					
G2NH-4000 †G3NU-4000	44A*-4000 66M*-4000	40 40	442000	283000	138000		165000	105000	59000	
G2NH-5000	44H*-5000	50	550000	344000	184000					
G2NH-6000	66A*-6000	60	644000	420000	218000					
G2NH-7000	66H*-7000	70	830000	540000	280000					
R-502			Evaporating Temperature							
Condensing Unit Model	Compressor Model	HP	45°F.	25°F.	0°F.	-5°F.	-20°F.	-40°F.	-60°F.	
			Suction Pressure, PSIG and In. Vac.							
				58.7#	31.2#	19.0#	12.3#	4.3#	6.9"	
G2NL-1000 † —	MMA*-1000 99K*-1000	10 10			70000	60000	40000 56000	20800 36000	21000	
G2NL-1500 G3NL-1500 — † — † —	99B*-1520 99S*-1520 MMH*-1520 99L*-1520 99H*-1520	15 15 15 15 15		132000	104000 72000	92000 62000 92000	63000 80000 68000 87000	37000 40000 45600 55000	33000	
G3NL-2000 — † —	44A*-2000 99C*-2020 99H*-2020	20 20 20		190000	160000 106000	140000	90000 88000	48000 57000		
G3NL-3000 —	44L*-3000 99S*-3000	30 30		234000	200000 128000	176000 110000	116000	64000		
G2NL-4000 †G2NU-4000 †G3NU-4000 —	66A*-4000 66B*-4000 66M*-4000 44A*-4000	40 40 40 40		292000	234000 160000	210000 138000	140000 152000 185000	76000 102000 123000	58000 70000	
G3NL-5000 — —	66L*-5000 44H*-5000 66A*-6000	50 50 60		364000	278000 196000	248000 172000	170000	96000		
—	66H*-7000	70		560000	300000	264000				

† Two Stage

* This symbol may be any number (1, 2, 3 etc.) depending on body casting changes.

Single Stage Capacities at 110° F. Condensing Temperature, 65° F. Suction Gas Temperature, No Liquid Sub-Cooling and 95° F. Room Temperature.

Two Stage Capacities at 110° F. Condensing Temperature, 65° F. Suction Gas Temperature, Maximum Liquid Sub-Cooling and 95° F. Room Temperature.

Specifications and availability subject to change without notice.

COPELAND CORPORATION, SIDNEY, OHIO

COPELAND REFRIGERATION OF CANADA, LTD., 145 SHERWOOD DRIVE, BRANTFORD, ONTARIO, CANADA

COPELAND DE MEXICO, S.A., APARTADO POSTAL 318, DURANGO, DURANGO, MEXICO

COPELAND REFRIGERATION EUROPE, S.A., RUE DES TROIS BOURDONS 15, 4840 WELKENRAEDT, BELGIUM