

# CENTRALA CM

Gama produktów Zanotti **CM** jest produkowana ze sprężarką hermetyczną tłokową (zakres G) dla średnich temperatur lub ze sprężarką pół-hermetyczną (zakres H) dla niskich temperatur.

Składa się ona z wielu modeli o mocy od 4000 do 126000 watów dla temperatur średnich i od 4800 do 105000 watów dla temperatur niskich.

Dzięki zastosowaniu wielu systemowym rozwiązań i wykorzystaniu komponentów najlepszych, przodujących producentów, centrale Zanotti są w stanie sprostać wszelkim potrzebom naszych klientów, z zakresu chłodnictwa.

Główne cechy central serii CM to:

- kompaktowe urządzenia ze skraplaczem pokładowym
- szeroka gama modeli, akcesoriów i opcji
- zastosowanie w średnich i niskich temperaturach
- zarządzanie złożonymi i zdywersyfikowanymi systemami chłodzenia
- moc chłodnicza dokładnie dopasowana do faktycznych potrzeb i kontrolowana automatycznie w każdym czasie
- gotowe do użytkowania zewnętrzne bez szczególnych środków ostrożności.

The standard Zanotti **CM** range of units is produced with reciprocating hermetic compressors ( G range ) for medium temperature or semihermetic compressors ( H range ) for low temperature.

It comprises many models with capacities from 4000 to 126000 watts for applications in medium temperature and from 4800 to 105000 watts for applications in low temperature.

Thanks to the many systems solutions developed and the use of components by industry leading manufacturers, Zanotti multi-compressor units are designed and produced to meet the specific needs of all clients in the field of refrigeration.

The main characteristics of the CM multicompressor units are:

- compact units with condenser on - board
- wide choice of models accessories and options
- applications for medium and low temperature
- management of multiple and diversified cooling outlets
- cooling power closely matching actual needs and automatically controlled at any times
- outdoor use without particular precautions



## OPCJE

- kondensacja wody do wód miejskich bądź wieży chłodniczej
- mechaniczny lub elektroniczny regulator poziomu oleju (tylko dla średnich temperatur)
- możliwość odzysku ciepła
- możliwość dopasowania napięcia i częstotliwości

## OPTIONALS

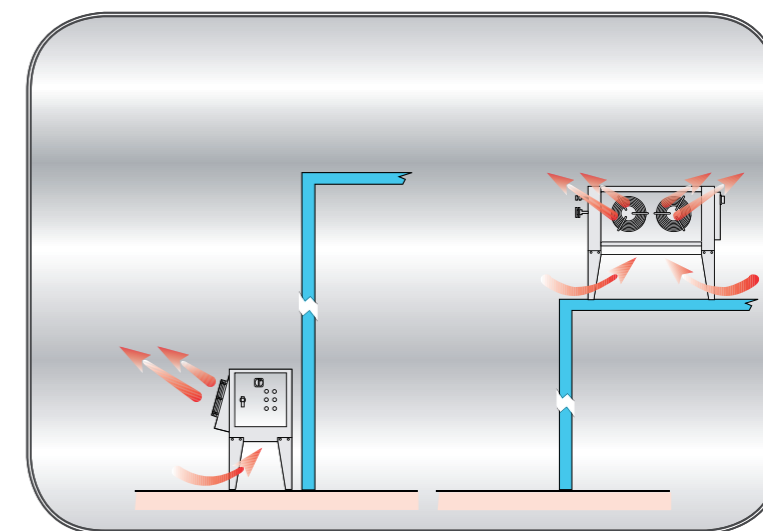
- water condenser for city water or cooling tower
- mechanical or electronic type compressor oil level regulators (only for medium temperature)
- possibility of recovering condensation heat
- possibility of different voltages and frequencies

## ZALETY

- uniwersalne zastosowanie
- znaczne obniżenie kosztów energii
- znaczna redukcja wymaganego miejsca
- natychmiastowy i łatwy dostęp do łatwego konserwowania urządzenia
- urządzenia dostarczane jako już przetestowane i napełnione czynnikiem chłodniczym lub gazami obojętnymi, w zależności od wymagań

## ADVANTAGES

- versatility of use and applications
- considerable energy-saving
- considerably reduced space requirement
- immediate and easy access for easy maintenance
- units supplied factory-tested and charged with refrigerant or inert gases according to the options required

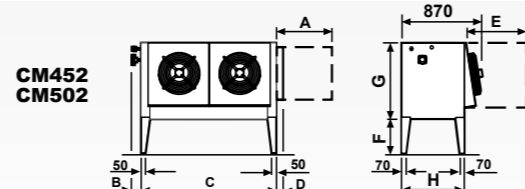




**= Condizioni di funzionamento non ammesse**  
**= Working condition not admitted**

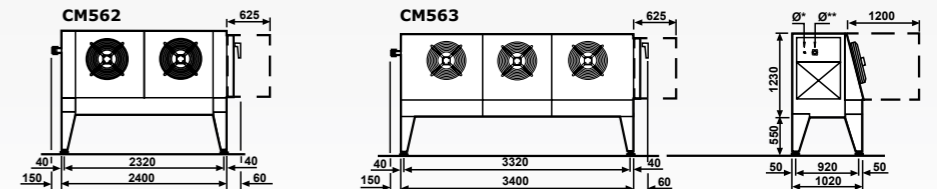
Codice Code		GCM452ND01F	GCM452TD01F	GCM452PD01F	GCM502ND01F	GCM502TD01F					
Potenza nominale Nominal Power		3 x 1,3 kW E	3 x 1,7 kW E	3 x 2 kW E	3 x 2,6 kW E	3 x 2,9 kW E					
Refrigerante Refrigerant		R404A	R404A	R404A	R404A	R404A					
Tensione Voltage		400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50					
Assorbim. nom. Nominal absorption		5,3 kW* - 13,0 A	6,7 kW* - 15,7 A	7,8 kW* - 17,8 A	9,4 kW* - 21,6 A	11,3 kW* - 25,2 A					
Portata d'aria cond. Air flow cond.		9000 m³/h	9000 m³/h	9000 m³/h	13700 m³/h	13700 m³/h					
RACCORDI PIPE FITTINGS	Aspirazione (mm) Suction pipe (mm)	28 Ø	28 Ø	28 Ø	28 Ø	28 Ø					
	Liquido (mm) Refrigerant pipe (mm)	12 Ø	12 Ø	12 Ø	16 Ø	16 Ø					
Massa Mass		300 kg	304 kg	306 kg	403 kg	436 kg					
TeV °C	Ta °C	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h	P Watt	P Kcal/h	P Watt	P Kcal/h	P Watt	P Kcal/h
5	20	23493	20204	27461	23616	29991	25792	41319	35534	47612	40946
	25	21753	18708	25274	21736	27496	23647	38329	32963	44346	38138
	30	19926	17136	23186	19940	25118	21601	35422	30463	41117	35361
	35	18031	15507	21150	18189	-	-	32544	27988	37887	32583
	40	-	-	-	-	-	-	29640	25490	-	-
	45	-	-	-	-	-	-	-	-	-	-
0	20	19399	16683	22718	19537	24806	21333	34095	29322	39825	34250
	25	17986	15468	21456	18452	23379	20106	32351	27822	37906	32599
	30	16448	14145	19803	17031	21521	18508	30017	25815	35321	30376
	35	14842	12764	17941	15429	19435	16714	27358	23528	32350	27821
	40	13226	11374	-	-	-	-	24638	21189	29274	25176
	45	-	-	-	-	-	-	-	-	-	-
-5	20	15830	13614	18991	16332	20735	17832	28486	24498	33574	28874
	25	14669	12615	18012	15490	19644	16894	27094	23301	32046	27560
	30	13383	11509	16601	14277	18075	15544	25065	21556	29802	25630
	35	12037	10352	14964	12869	16258	13982	22699	19521	27153	23352
	40	10696	9199	13305	11442	14425	12406	20292	17451	24406	20989
	45	9425	8106	-	-	-	-	-	-	-	-
-10	20	12743	10959	15957	13723	17433	14992	23951	20598	28393	24418
	25	11765	10118	14913	12825	16277	13998	22423	19284	26731	22989
	30	10689	9193	13635	11726	14863	12782	20551	17674	24653	21202
	35	9569	8229	12243	10529	13327	11461	18510	15919	22343	19215
	40	8459	7275	10853	9334	11804	10151	16478	14171	19987	17189
	45	7412	6374	-	-	-	-	14631	12583	-	-
-15	20	10096	8683	13293	11432	14556	12518	19948	17155	23815	20481
	25	9237	7944	12129	10431	13262	11405	18208	15659	21928	18858
	30	8323	7158	10960	9426	11968	10292	16460	14156	19964	17169
	35	7390	6355	9803	8431	10695	9198	14736	12673	17970	15454
	40	6476	5569	8675	7460	9466	8141	13070	11240	15992	13753
	45	5616	4830	7594	6531	8304	7141	11495	9886	14078	12107
-20	20	7845	6747	10677	9182	11760	10114	15939	13708	19375	16662
	25	7049	6062	9632	8284	10586	9104	14316	12312	17603	15139
	30	6243	5369	8630	7422	9472	8146	12776	10987	15829	13613
	35	5454	4690	7671	6597	8418	7239	11319	9734	14082	12111
	40	4709	4050	6752	5807	7421	6382	9942	8550	12394	10659
	45	4034	3469	5874	5052	6478	5571	8646	7436	10796	9285

Mod./mm	A	B	C	D	E	F	G	H
GCM452	565	100	1600	65	800	450	840	650
HCM452	750	150	1800	65	900	450	1015	650
GCM502	750	150	1800	65	900	450	1015	850
HCM502	750	150	2300	65	1150	450	1015	850



**= Condizioni di funzionamento non ammesse**  
**= Working condition not admitted**

Codice Code		GCM502PD01F	GCM562ND01F	GCM562TD01F	GCM563ND01F	GCM563TD01F					
Potenza nominale Nominal Power		3 x 3,7 kW E	3 x 4,8 kW E	3 x 6,3 kW E	3 x 7,4 kW E	3 x 9,6 kW E					
Refrigerante Refrigerant		R404A	R404A	R404A	R404A	R404A					
Tensione Voltage		400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50					
Assorbim. nom. Nominal absorption		13,9 kW* - 30,3 A	18,3 kW* - 42,4 A	21,4 kW* - 48,4 A	25,2 kW* - 59,4 A	31,6 kW* - 71,7 A					
Portata d'aria cond. Air flow cond.		13700 m³/h	22800 m³/h	22300 m³/h	34000 m³/h	34000 m³/h					
RACCORDI PIPE FITTINGS	Aspirazione (mm) Suction pipe (mm)	35 Ø	42 Ø	42 Ø	54 Ø	54 Ø					
	Liquido (mm) Refrigerant pipe (mm)	16 Ø	18 Ø	18 Ø	22 Ø	22 Ø					
Massa Mass		438 kg	814 kg	888 kg	1144 kg	1147 kg					
TeV °C	Ta °C	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h
5	20	55761	47954	74867	64386	88664	76251	112266	96549	137252	118037
	25	51858	44598	69354	59644	82085	70593	103857	89317	126819	109064
	30	48123	41386	64023	55060	75823	65208	95917	82489	116903	100537
	35	-	-	58769	50541	-	-	-	-	-	-
	40	-	-	-	-	-	-	-	-	-	-
	45	-	-	-	-	-	-	-	-	-	-
0	20	47208	40599	62641	53871	74830	64354	94742	81478	115852	99633
	25	44915	38627	59744	51380	70995	61056	89500	76970	109827	94451
	30	41882	36019	55612	47826	65949	56716	83022	71399	101843	87585
	35	38439	33058	50788	43678	60247	51812	75921	65292	92813	79819
	40	-	-	-	-	-	-	-	-	-	-
	45	-	-	-	-	-	-	-	-	-	-
-5	20	40024	34421	53280	45821	63874	54932	80683	69387	98992	85133
	25	38253	32898	50770	43662	60823	52308	76516	65804	94158	80976
	30	35637	30648	47129	40531	56397	48501	70832	60916	87152	74951
	35	32543	27987	42863	36862	51228	44056	64358	55348	78985	67927
	40	-	-	38478	33091	45951	39518	57818	49723	-	-
	45	-	-	-	-	-	-	-	-	-	-
-10	20	33788	29058	45635	39246	54794	47123	69054	59386	85128	73210
	25	31952	27479	42478	36531	51468	44262	64768	55700	79783	68613
	30	29593	25450	38981	33524	47358	40728	59505	51174	73254	62998
	35	26922	23153	35306	30363	42828	36832	53718	46197	66095	56842
	40	24148	20767	31616	27190	38241	32887	47858	41158	58865	50624
	45	-	-	-	-	-	-	-	-	-	-
-15	20	28082	24151	38557	33159	46590	40067	58818	50583	72716	62536
	25	26095	22442	34911	30023	42827	36831	54119	46542	66673	57339
	30	23958	20604	31574	27154	39027	33563	49202	42314	60573	52093
	35	21706	18667	28432	24452	35205	30276	44169	37985	54461	46836
	40	19374	16662	25368	21816	31376	26983	39123	33646	48381	41608
	45	16996	14617	22268	19150	27555	23697	34166	29383	-	-
-20	20	22484	19336	30897	26571	38264	32907	48943	42091	60212	51782
	25	20765	17858	28114	24178	34800	29928	44430	38210	54797	47125
	30	18940	16288	25317	21773	31595	27172	40080	34469	49535	42600
	35	17028	14644	22555	19397	28512	24520	35878	30855	44400	38184
	40	15050	12943	19876	17093	25415	21857	31809	27356	39363	33852
	45	13025	11202	17330	14904	22167	19064	27859	23958	34396	29581





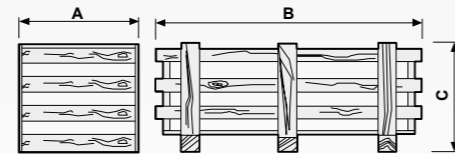
= Condizioni di funzionamento non ammesse  
= Working condition not admitted



Codice Code		HCM452ND01F	HCM452TD01F	HCM502ND01F	HCM502TD01F				
Potenza nominale Nominal Power		3 x 2,2 kW S	3 x 2,9 kW S	3 x 3,7 kW S	3 x 5,5 kW S				
Refrigerante Refrigerant		R404A	R404A	R404A	R404A				
Tensione Voltage		400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50				
Assorbim. nom. Nominal absorption		10,8 kW* - 23,6 A	12,2 kW* - 26,2 A	12,8 kW* - 28,1 A	18,0 kW* - 38,1 A				
Portata d'aria cond. Air flow cond.		9000 m³/h	9000 m³/h	13700 m³/h	13700 m³/h				
RACCORDI PIPE FITTINGS	Aspirazione (mm) Suction pipe (mm)	42 Ø	42 Ø	54 Ø	54 Ø				
	Liquido (mm) Refrigerant pipe (mm)	12 Ø	12 Ø	16 Ø	16 Ø				
Massa Mass		339 kg	431 kg	525 kg	583 kg				
Tev °C	Ta °C	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h
-15	20	9819	8444	29631	25483	40107	34492	51719	44478
	25	8942	7690	26888	23124	36775	31626	47672	40998
	30	8148	7007	24277	20878	33549	28852	42357	36427
	35	7417	6379	-	-	30371	26119	-	-
	40	-	-	-	-	27182	23377	-	-
-20	20	7714	6634	24469	21043	32386	27852	42596	36633
	25	6993	6014	22898	19692	30473	26207	40027	34423
	30	6367	5476	20871	17949	27968	24052	36488	31380
	35	5798	4986	18604	15999	25149	21628	32405	27868
	40	-	-	-	-	22290	19169	-	-
-25	20	5930	5100	20273	17435	26285	22605	35129	30211
	25	5356	4606	19083	16411	24882	21399	33068	28438
	30	4892	4207	17377	14944	22813	19619	30301	26059
	35	4477	3850	15404	13247	20393	17538	27203	23395
	40	4052	3485	-	-	17934	15423	24151	20770
-30	20	4505	3874	16804	14451	21408	18411	28943	24891
	25	4068	3498	15556	13378	19987	17189	26839	23082
	30	3761	3234	14027	12063	18175	15630	24297	20895
	35	3491	3002	12351	10622	16152	13891	21540	18524
	40	3165	2722	10664	9171	14100	12126	18787	16157
-35	20	3479	2992	13822	11887	17363	14932	23661	20348
	25	3167	2724	12432	10692	15775	13566	21387	18393
	30	3012	2590	11051	9504	14144	12164	18979	16322
	35	2878	2475	9660	8308	12475	10728	16456	14152
	40	2628	2260	8241	7087	10777	9268	13835	11898
-40	20	2891	2486	11086	9534	13755	11829	18908	16261
	25	2690	2313	9826	8450	12229	10517	16757	14411
	30	2681	2306	8683	7467	10811	9297	14848	12769
	35	2674	2300	7548	6491	9413	8095	12995	11176
	40	2474	2128	6311	5427	7950	6837	11014	9472
45	1890	1625	4863	4182	6336	5449	8722	7501	

Massa e misure imballi  
Packing mass and dimensions

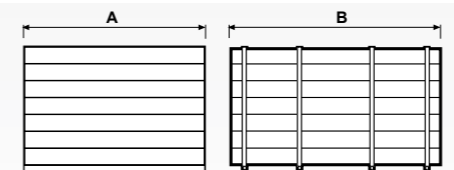
Mod./mm	A	B	C	Kg	Volume
CM452	1890	1490	990	70	2,78
GCM502	2090	1670	1190	82	4,15



= Condizioni di funzionamento non ammesse  
= Working condition not admitted



Codice Code		HCM562ND01F	HCM562TD01F	HCM563ND01F	HCM563TD01F				
Potenza nominale Nominal Power		3 x 7,4 kW S	3 x 9,2 kW S	3 x 11 kW S	3 x 14,7 kW S				
Refrigerante Refrigerant		R404A	R404A	R404A	R404A				
Tensione Voltage		400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50				
Assorbim. nom. Nominal absorption		23,0 kW* - 51,4 A	30,9 kW* - 66,7 A	35,8 kW* - 79,8 A	41,6 kW* - 90,9 A				
Portata d'aria cond. Air flow cond.		22300 m³/h	22300 m³/h	34000 m³/h	34000 m³/h				
RACCORDI PIPE FITTINGS	Aspirazione (mm) Suction pipe (mm)	54 Ø	54 Ø	64 Ø	64 Ø				
	Liquido (mm) Refrigerant pipe (mm)	18 Ø	18 Ø	22 Ø	22 Ø				
Massa Mass		938 kg	1214 kg	1311 kg	1320 kg				
Tev °C	Ta °C	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h	Pf Watt	Pf Kcal/h
-15	20	69613	59867	80597	69313	102161	87858	116953	100580
	25	63441	54559	73134	62895	92555	79597	105636	90847
	30	57563	49504	66079	56828	83455	71771	94879	81596
	35	51840	44582	59248	50953	74632	64184	84415	72597
	40	-	-	-	-	-	-	-	-
-20	20	57421	49382	66626	57298	84188	72402	96409	82912
	25	53870	46328	62375	53642	78680	67665	89884	77300
	30	49324	42419	56847	48888	71589	61567	81445	70043
	35	44263	38066	50674	43580	63676	54761	72053	61966
	40	-	-	44492	38263	-	-	62668	53894
-25	20	47435	40794	55453	47690	69985	60187	79895	68710
	25	44910	38623	52260	44944	65908	56681	75114	64598
	30	41265	35488	47677	41002	60036	51631	68154	58612
	35	37030	31846	42387	36453	53240	45786	60133	51714
	40	32736	28153	37070	31880	46391	39896	52167	44864
-30	20	39202	33714	46333	39846	58506	50315	66484	57176
	25	36780	31631	43046	37020	54402	46786	61746	53102
	30	33737	29014	39099	33625	49333	42426	55766	47959
	35	30353	26104	34793	29922	43760	37634	49216	42326
	40	26910	23143	30426	26166	38144	32804	42772	36784
-35	20	32269	27751	38523	33130	48704	41885	55248	47513
	25	29701	25543	34990	30091	44325	38120	50200	43172
	30	27091	23298	31642	27212	40022	34419	45037	38732
	35	24441	21019	28302	24340	35675	30680	39863	34282
	40	21751	18706	24793	21322	31168	26804	34781	29912
-40	20	26181	22516	31281	26902	39533	33998	45260	38924
	25	23891	20546	28350	24381	35840	30822	40894	35169
	30	21679	18644	25834	22217	32641	28071	36726	31584
	35	19505	16774	23321	20056	29422	25303	32633	28064
	40	17326	14900	20402	17546	25670	22076	28494	24505
45	15103	12989	16664	14331	20871	17949	24186	20800	



Mod./mm	A	B	C	Kg	Volume
HCM502	2690	1710	1190	295	5,47
CM562	2790	1580	1190	289	5,24
CM563	3790	1580	1190	387	7,12