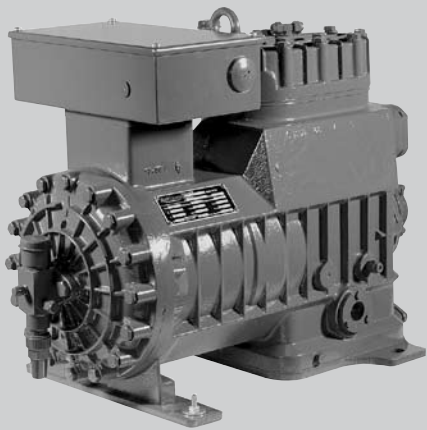


**S E R I E P S E R I E S**



1 - 1 8 H p



***RefComp***

# MODEL DESIGNATION CODIFICA

**S**

**P**

**2**

**H**

**500**

**S**

Semi-hermetic execution  
Compressore frigorifero semi-ermetico

**H**

Motor size - Taglia motore  
H = full size electrical motor - H = motore elettrico di taglia piena  
L = small size electrical motor - L = motore elettrico di taglia piccola

**P**

Series - Serie

**500**

Index for nominal motor power Hp x100  
Indice potenza nominale motore Hp x 100  
R22 - SP2 H = 070 - 100 - 150 - 180 - 200 - 300 - 400 - 420 - 500 - 520 - 700 - 750 - 800  
R22 - SP2 L = 070 - 100 - 130 - 150 - 200 - 300 - 320 - 400 - 500 - 550 - 600  
R22 - SP3 H = 1000 - 1500 - 1800  
R22 - SP3 L = 750 - 1000 - 1250

**2**

N° of cylinders - N° di cilindri  
2 or 3

R404A - SP2 H = 07E - 10E - 15E - 20E - 30E - 40E - 42E - 50E - 52E - 70E - 75E - 80E  
R404A - SP2 L = 07E - 10E - 13E - 15E - 20E - 30E - 32E - 40E - 50E - 55E - 60E  
R404A - SP3 H = 100E - 150E - 180E  
R404A - SP3 L = 75E - 100E - 125E  
  
R134a - SP2 L = 07E - 10E - 13E - 15E - 20E - 40E - 50E - 55E - 60E  
R134a - SP3 L = 75E - 100E - 125E

## FEATURES CARATTERISTICHE

### Electrical motor

The P series compressors (1-18 Hp) are delivered together with a 3 phases star/delta (Y/Δ) motor suitable for 220V-3-50 Hz (Δ connection) and 380-3-50 Hz (Y connection). On request, special voltage motors are also available. The electric name plate data (L.R.A., F.L.A.) are shown in the technical data sheet. In case the direct start up of the compressor is not allowed, due to technical or law limitations, the Y/Δ starting is possible. In this case the starting torque of the motor is reduced and the use of a start unloading device (external by-pass) is therefore suggested (optional).

### Motore elettrico

I compressori della serie P (1-18 Hp) sono dotati, in versione standard, di motori elettrici trifase di tipo star/delta (Y/Δ) funzionanti a 220V-3-50 Hz (connessione Δ) e 380V-3-50 Hz (connessione Y). A richiesta sono disponibili motori con voltaggi speciali. Per i dati elettrici di targa dei motori standard (L.R.A., F.L.A.) si consulti la tabella dati tecnici. Qualora non sia possibile avviare il compressore in modalità diretta a causa di limitazioni tecniche o legislative è possibile avviare il compressore in modalità Y/Δ. In tal caso la coppia di spunto del motore è ridotta e si consiglia, pertanto, di utilizzare il sistema di partenza a vuoto di tipo by-pass esterno (optional).

### Protection device

The compressors include a complete motor protection formed by three thermostatic sensors inserted in the windings (temperature sensors, bi-metallic type). In combination with an over load relay fitted in the electrical feed line the highest protection degree is ensured during the compressor operation (see attached wiring diagram).

### Protezione di compressore

I compressori sono dotati di protezione integrale del motore elettrico, con tre sonde termostatiche inserite negli avvolgimenti (sensori di temperatura di tipo a lamina bi-metallica). L'utilizzo combinato di un relè di sovraccarico posizionato sulla linea di alimentazione del compressore garantisce la massima protezione durante il funzionamento del compressore (si veda lo schema elettrico, riportato nel seguito).

## “HFC” refrigerant & “POE” lubricants

## Refrigeranti “HFC” e lubrificanti “POE”

The environment emergency has been the origin of a sort of revolution in the air conditioning and refrigeration market. The demand for non-chlorinated refrigerants (HFC) has required, as a consequence, the re-designing of refrigerating circuit components. As far as the compressor is concerned, the design of new compatible materials for gaskets, sealing parts and most of all, the use of new lubricants has become a necessary choice. In fact, the traditional lubricants are not miscible with the HFC refrigerants and therefore cannot be used any longer. The research has found in the poliolester oils the solution to the problem. However, the high degree of hygroscopicity of the POE oils demands for particular precautions: these oils must not come in contact with air and the moisture content in the circuit has to be maintained, as a general rule, under 50 ppm. The P series compressors are delivered in the same version for HCFC & HFC; the only difference is the oil that is different according to the refrigerant type. In the standard delivery the compressors are charged with oil and a protective gas (nitrogen). Refcomp does not recommend the use of POE lubricants with R22 (contact Refcomp for more information). The crankcase heater prevents an excessive dilution of refrigerant in oil during standstill periods, ensuring a correct lubrication also in the starting phase of the compressor.

L'emergenza ambientale ha comportato una piccola rivoluzione nel campo del condizionamento e della refrigerazione. L'esigenza di utilizzare fluidi frigoriferi non clorurati (HFC) ha richiesto l'adeguamento dei componenti del circuito frigorifero. In particolare, nel caso dei compressori, si è reso necessario lo studio di nuovi materiali compatibili per guarnizioni, tenute, materiali sigillanti e, soprattutto, lo studio di nuovi lubrificanti. I lubrificanti tradizionali, com'è noto, non sono miscibili con i refrigeranti HFC e non possono, quindi, essere utilizzati. La ricerca ha individuato negli oli di tipo poliolester (POE) la soluzione ottimale. Tuttavia, l'elevata igroscopicità che caratterizza questi oli richiede precauzioni particolari: tali oli non devono venire in contatto con l'umidità dell'aria ed il contenuto di acqua nel circuito frigorifero deve essere mantenuto, come regola generale, al di sotto di 50 ppm. I compressori della serie P sono costruiti in versione unificata per tutti i refrigeranti impiegati (HCFC, HFC); solo il lubrificante varia in funzione del tipo di refrigerante. I compressori sono forniti completi di carica olio e pressurizzati con gas inerte (azoto). Refcomp sconsiglia l'utilizzo di lubrificanti POE con refrigerante R22 in previsione di una futura conversione dell'impianto frigorifero a refrigeranti di tipo HFC. Per maggiori delucidazioni consultare Refcomp. Il riscaldatore olio previene l'eccessiva diluizione di refrigerante nel lubrificante durante i periodi di sosta del compressore, garantendo una corretta lubrificazione sin dalla fase di avviamento.

Refrigerant / Refrigerante	Lubricant / Lubrificante
R22	CASTROL Icematic 266
R407C - R134a - R404A - R507	DEA Triton SE 55

**Standard extend of delivery:** semi-hermetic compressor with electric motor 220..240 V DOL / 380..420 V Y/3/50 Hz, mineral oil charge, nitrogen protective charge, 1 suction shut off and discharge valves, 4 anti-vibration dampers, 3 motor thermistor temperature sensors, terminal box enclosure IP-55.

**Accessories:** on request the following accessories can be delivered: special voltage motors, fan for additional cooling, oil pressure switch (for compressors with oil pump), start unloading device, crankcase heater, kit for liquid injection.

**Electrical devices:** the electrical accessories of the compressor (crankcase heater, electronic module for liquid injection control, solenoid valve coils) are suitable for 220 V AC 50/60 Hz. Special voltages are available on request.

**Name plate data:** the main characteristics of the compressor are showed on a label fitted on the compressor: serial number, compressor model, motor name plate data, displacement (m<sup>3</sup>/h). The lubricant brand name and type are showed on a sticker.

**Applications limits:** depending on the operating conditions and refrigerant type, the additional cooling of the compressor may be required. The indications are shown in the performance data sheets. The models SP2H070 (07E)...SP2H500 (50E) are characterized by direct refrigerant suction; the motors of the models SP2H520 (52E)...SP3H1800(180E) are cooled down by the suction refrigerant.

**Accessori elettrici:** gli accessori elettrici a corredo del compressore (riscaldatore olio, modulo di controllo iniezione di liquido, bobine valvole solenoidi) sono a 220 V AC 50/60 Hz. A richiesta sono disponibili voltaggi speciali.

**Estensione di fornitura standard:** compressore semi-ermetico con motore elettrico 220..240 V DOL / 380..420 V Y/3/50 Hz, carica olio minerale, carica di azoto protettiva, 1 rubinetto di aspirazione e di mandatas, 4 antivibranti, 3 termistori per controllo della temperatura del motore, scatola elettrica IP-55.

**Accessori:** su richiesta sono disponibili i seguenti accessori: motori con voltaggio speciale, ventilatore per raffreddamento addizionale, pressostato olio (compressori con pompa olio), dispositivo di partenza a vuoto, riscaldatore olio, kit per iniezione di liquido.

**Identificazione del compressore:** una targhetta permette l'identificazione del compressore e riporta le caratteristiche tecniche principali: n° di matricola, modello di compressore, dati di targa del motore elettrico, volume spostato (m<sup>3</sup>/h). Il nome del lubrificante impiegato è riportato su un adesivo.

**Limiti di applicazione:** in funzione delle condizioni operative e del tipo di refrigerante impiegato può rendersi necessario il raffreddamento addizionale del compressore. Si consultino a tale proposito le indicazioni riportate nelle tabelle di prestazione dei compressori. I modelli SP2H070 (07E)...SP2H500 (50E) sono caratterizzati da aspirazione diretta del refrigerante, i modelli SP2H520 (52E)...SP3H1800(180E) sono caratterizzati da raffreddamento del motore mediante il refrigerante aspirato.

# PERFORMANCE DATA PRESTAZIONI

The performance data with R22, R404A (R507), R134a, are given. The rated cooling capacity refer to 0K liquid subcooling and 25 °C suction gas temperature. Data are given in Watt and refer to 50 Hz power supply (1450 rpm). For the rated cooling capacity at 60 Hz an increase of 20 % will be considered. Numbers 1 and 2 marking some figures are used to indicate the operating conditions where the additional cooling of the compressor is required.

Sono riportate le prestazioni dei compressori con i refrigeranti R22, R404A (R507), R134a. La potenza frigorifera resa si riferisce a 25 °C di temperatura del gas aspirato con 0K di sottoraffreddamento del liquido all'uscita del condensatore. I dati sono espressi in Watt e fanno riferimento a 50 Hz di alimentazione elettrica (1450 rpm). Per la potenza frigorifera a 60 Hz si consideri un incremento pari al 20%. I valori contrassegnati dagli apici 1 e 2 evidenziano condizioni operative che richiedono il raffreddamento aggiuntivo del compressore, secondo le modalità specificate in calce alle tabelle.

## REFRIGERANT / REFRIGERANTE R22

Model	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
SP2-H-070	30	3790	3480	3140	2930	2445	2015	1665	1340	1070	835	635	470	330 <sup>1</sup>
	40	3385	3205	2795	2605	2165	1780	1450	1165	915	705	525 <sup>1</sup>	370 <sup>1</sup>	245 <sup>1</sup>
	50	2970	2720	2450	2275	1885	1540	1245	980	760	570 <sup>1</sup>	410 <sup>1</sup>	270 <sup>1</sup>	155 <sup>1</sup>
	SP2-H-100	30	6620	6090	5490	5125	4275	3520	2865	2295	1815	1405	1070	800
40		5880	5400	4865	4550	3765	3090	2495	1995	1565	1210	905 <sup>1</sup>	650 <sup>1</sup>	460 <sup>1</sup>
50		5165	4740	4250	3965	3270	2665	2150	1700	1325	1000 <sup>1</sup>	735 <sup>1</sup>	520 <sup>1</sup>	340 <sup>1</sup>
SP2-H-150		30	8305	7635	6950	6500	5500	4605	3790	3075	2455	1930	1480	1130
	40	7460	6850	6180	5780	4880	4065	3350	2705	2145	1665	1265 <sup>1</sup>	950 <sup>1</sup>	700 <sup>1</sup>
	50	-	-	-	5080	4275	3540	2900	2325	1830	1405 <sup>1</sup>	1055 <sup>1</sup>	775 <sup>1</sup>	560 <sup>1</sup>
	SP2-H-180	30	10165	9330	8440	7890	6585	5435	4420	3545	2785	2145	1605	1165
40		8905	8230	7415	6920	5745	4710	3810	3025	2350	1780	1305 <sup>1</sup>	910 <sup>1</sup>	590 <sup>1</sup>
50		7855	7175	6445	6005	4955	4035	3235	2545	1955	1450 <sup>1</sup>	1025 <sup>1</sup>	675 <sup>1</sup>	385 <sup>1</sup>
SP2-H-200		30	12395	11375	10290	9615	8030	6625	5390	4320	3395	2610	1955	1420
	40	10855	10035	9040	8435	7005	5745	4645	3685	2865	2170	1590 <sup>1</sup>	1110 <sup>1</sup>	715 <sup>1</sup>
	50	9575	8750	7860	7320	6040	4920	3945	3100	2380	1765 <sup>1</sup>	1250 <sup>1</sup>	820 <sup>1</sup>	465 <sup>1</sup>
	SP2-H-300	30	17870	16400	14760	13855	11735	9810	8070	6510	5155	3975	2990	2195
40		1555	14365	13700	12265	10350	8615	7040	5645	4415	3355	2465 <sup>1</sup>	1750 <sup>1</sup>	1200 <sup>1</sup>
50		13695	12630	11460	10750	9025	7470	6060	4810	3720	2795 <sup>1</sup>	2010 <sup>1</sup>	1365 <sup>1</sup>	880 <sup>1</sup>
SP2-H-400		30	24350	22370	20150	18765	15815	13320	11050	9025	7215	5645	4315	3215
	40	22025	20205	18180	16910	14035	11680	9640	7815	6200	4805	3615 <sup>1</sup>	2645 <sup>1</sup>	1875 <sup>1</sup>
	50	18935	17180	15455	15035	12420	10140	8330	6715	5275	4030 <sup>1</sup>	2980 <sup>1</sup>	2120 <sup>1</sup>	1290 <sup>1</sup>
	SP2-H-420	30	-	-	-	-	-	15105 <sup>2</sup>	12530 <sup>2</sup>	10225 <sup>2</sup>	8175 <sup>2</sup>	6400 <sup>2</sup>	4890 <sup>2</sup>	3640 <sup>2</sup>
40		-	-	-	-	-	13245 <sup>2</sup>	10925 <sup>2</sup>	8855 <sup>2</sup>	7035 <sup>2</sup>	5445 <sup>2</sup>	4095 <sup>1</sup>	2990 <sup>1</sup>	2125 <sup>1</sup>
50		-	-	-	-	-	11505 <sup>2</sup>	9440 <sup>2</sup>	7600 <sup>2</sup>	5985 <sup>2</sup>	4575 <sup>1</sup>	3385 <sup>1</sup>	2410 <sup>1</sup>	1480 <sup>1</sup>

# P E R F O R M A N C E   D A T A   P R E S T A Z I O N I

## REFRIGERANT / REFRIGERANTE R22

<b>SP2-H-500</b>	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	31825	29220	26305	24600	20995	17690	14680	11970	9575	7495	5725	4240	3100 <sup>1</sup>
	40	28740	26345	23695	22025	18460	15480	12775	10365	8230	6365	4780 <sup>1</sup>	3490 <sup>1</sup>	2480 <sup>1</sup>
	50	-	-	-	19535	16110	13450	11050	8880	6990	5340 <sup>1</sup>	3950 <sup>1</sup>	2810 <sup>v</sup>	1815 <sup>1</sup>

<b>SP2-H-520</b>	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	31500	28925	26040	24350	20780	17330	14375	11725	9380	7340 <sup>1</sup>	-	-	-
	40	28450	26075	23455	21800	18270	15165	12515	10155	8060 <sup>1</sup>	6235 <sup>1</sup>	-	-	-
	50	-	-	-	19335	15945	13185	10835	8695	6835 <sup>1</sup>	-	-	-	-

<b>SP2-H-750</b>	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	36055	33095	29810	27770	23115	19070	15560	12530	9925	7710 <sup>1</sup>	-	-	-
	40	32440	29755	26765	24890	20650	16960	13760	10990	8615 <sup>1</sup>	6595 <sup>1</sup>	-	-	-
	50	28790	26375	23695	22015	18195	14870	11985	9485	7350 <sup>1</sup>	-	-	-	-

<b>SP2-H-800</b>	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	42370	38900	35045	32650	27190	22445	18325	14765	11710	9110 <sup>1</sup>	-	-	-
	40	38145	34990	31485	29285	24310	19980	16225	12970	10180 <sup>1</sup>	7805 <sup>1</sup>	-	-	-
	50	33870	31040	27890	25920	21435	17535	14150	11215	8700 <sup>1</sup>	-	-	-	-

<b>SP3-H-1000</b>	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	54815	50295	45260	42120	35010	28810	23435	18800	14815	11410 <sup>1</sup>	-	-	-
	40	48860	44790	40255	37425	30990	25390	20535	16340	12730 <sup>1</sup>	9660 <sup>1</sup>	-	-	-
	50	42945	39330	35305	32795	27075	22085	17755	14020	10810 <sup>1</sup>	-	-	-	-

<b>SP3-H-1500</b>	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	68225	62685	56510	52670	43930	36340	29755	24060	19180	15015 <sup>1</sup>	-	-	-
	40	61130	56120	50550	47250	39175	32300	26330	21170	16740 <sup>1</sup>	12965 <sup>1</sup>	-	-	-
	50	54010	49550	44600	41500	34460	28320	22995	19385	14435 <sup>1</sup>	-	-	-	-

<b>SP3-H-1800</b>	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	82660	75960	68500	63855	53290	44115	36155	29265	23365	18325 <sup>1</sup>	-	-	-
	40	74115	68060	61325	57340	47570	39260	32040	25800	20440 <sup>1</sup>	15870 <sup>1</sup>	-	-	-
	50	65540	60150	54165	50415	41905	34480	28040	22460	17675 <sup>1</sup>	-	-	-	-

### LEGENDA:

**Watt** = cooling capacity / Potenza frigorifera resa (W)

**T evap** = evaporating temperature / Temperatura evaporazione (°C)

**T cond** = condensing temperature / Temperatura condensazione (°C)

- Liquid subcooling / Sottoraffreddamento liquido 0K
- Suction gas temperature / Temperatura gas aspirato 25°C
- Apex "1" identify additional cooling by overhead fan / L'apice "1" identifica il raffreddamento addizionale mediante ventilatore
- Apex "2" additional cooling fan if a remote condenser is used  
L'apice "2" con condensatore remoto installare un ventilatore addizionale
- Power supply / frequenza di alimentazione 50Hz

REFRIGERANT / REFRIGERANTE R22

SP2-L-070	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	3500 <sup>2</sup>	2855 <sup>2</sup>	2285 <sup>2</sup>	1805 <sup>2</sup>	1395 <sup>2</sup>	1060 <sup>2</sup>	795 <sup>2</sup>	580 <sup>1</sup>
	40	-	-	-	-	-	3075 <sup>2</sup>	2480 <sup>2</sup>	1900 <sup>2</sup>	1500 <sup>2</sup>	1195 <sup>2</sup>	895 <sup>1</sup>	645 <sup>1</sup>	455 <sup>1</sup>
	50	-	-	-	-	-	-	2130 <sup>2</sup>	1675 <sup>2</sup>	1300 <sup>2</sup>	990 <sup>1</sup>	730 <sup>1</sup>	515 <sup>1</sup>	335 <sup>1</sup>

SP2-L-100	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	4580	3775 <sup>2</sup>	3060 <sup>2</sup>	2445 <sup>2</sup>	1920 <sup>2</sup>	1475 <sup>2</sup>	1125 <sup>2</sup>	840 <sup>1</sup>
	40	-	-	-	-	-	-	3330 <sup>2</sup>	2685 <sup>2</sup>	2130 <sup>2</sup>	1650 <sup>2</sup>	1255 <sup>1</sup>	945 <sup>1</sup>	700 <sup>1</sup>
	50	-	-	-	-	-	-	-	2300 <sup>2</sup>	1805 <sup>2</sup>	1390 <sup>1</sup>	1045 <sup>1</sup>	770 <sup>1</sup>	560 <sup>1</sup>

SP2-L-130	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	5240 <sup>2</sup>	4310 <sup>2</sup>	3510 <sup>2</sup>	2815 <sup>2</sup>	2230 <sup>2</sup>	1725 <sup>2</sup>	1310 <sup>2</sup>	955 <sup>1</sup>
	40	-	-	-	-	-	4655 <sup>2</sup>	3815 <sup>2</sup>	3080 <sup>2</sup>	2450 <sup>2</sup>	1915 <sup>2</sup>	1460 <sup>1</sup>	1075 <sup>1</sup>	750 <sup>1</sup>
	50	-	-	-	-	-	-	-	2645 <sup>2</sup>	2075 <sup>2</sup>	1590 <sup>1</sup>	1175 <sup>1</sup>	830 <sup>1</sup>	535 <sup>1</sup>

SP2-L-150	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
	T cond.	Watt													
	30	-	-	-	-	-	8115 <sup>2</sup>	6710 <sup>2</sup>	5470 <sup>2</sup>	4300 <sup>2</sup>	3450 <sup>2</sup>	2735 <sup>2</sup>	2115 <sup>2</sup>	1600 <sup>2</sup>	1160 <sup>1</sup>
	40	-	-	-	-	-	7180 <sup>2</sup>	5800 <sup>2</sup>	4670 <sup>2</sup>	3780 <sup>2</sup>	3020 <sup>2</sup>	2345 <sup>2</sup>	1800 <sup>1</sup>	1320 <sup>1</sup>	920 <sup>1</sup>
	50	-	-	-	-	-	6095 <sup>2</sup>	4995 <sup>2</sup>	4055 <sup>2</sup>	3235 <sup>2</sup>	2545 <sup>2</sup>	1950 <sup>1</sup>	1440 <sup>1</sup>	1015 <sup>1</sup>	655 <sup>1</sup>

SP2-L-200	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	9720 <sup>2</sup>	7980 <sup>2</sup>	6445 <sup>2</sup>	5110 <sup>2</sup>	3955 <sup>2</sup>	2990 <sup>2</sup>	2175	1525 <sup>1</sup>
	40	-	-	-	-	-	8585 <sup>2</sup>	6990 <sup>2</sup>	5590 <sup>2</sup>	4395 <sup>2</sup>	3355 <sup>2</sup>	2485 <sup>1</sup>	1750 <sup>1</sup>	1180 <sup>1</sup>
	50	-	-	-	-	-	-	-	4775 <sup>2</sup>	3990 <sup>2</sup>	2770 <sup>1</sup>	2000 <sup>1</sup>	1370 <sup>1</sup>	870 <sup>1</sup>

SP2-L-300	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	13245 <sup>2</sup>	10835 <sup>2</sup>	8910 <sup>2</sup>	7135 <sup>2</sup>	5600 <sup>2</sup>	4200 <sup>2</sup>	3200 <sup>2</sup>	2295 <sup>1</sup>
	40	-	-	-	-	-	11955 <sup>2</sup>	9795 <sup>2</sup>	7805 <sup>2</sup>	6195 <sup>2</sup>	4810 <sup>2</sup>	3635 <sup>1</sup>	2645 <sup>1</sup>	1830 <sup>1</sup>
	50	-	-	-	-	-	10565 <sup>2</sup>	8645 <sup>2</sup>	6825 <sup>2</sup>	5280 <sup>2</sup>	4040 <sup>1</sup>	2985 <sup>1</sup>	2110 <sup>1</sup>	1405 <sup>1</sup>

SP2-L-320	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	8150 <sup>2</sup>	6405 <sup>2</sup>	4915 <sup>2</sup>	3635 <sup>2</sup>	2595 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	7135 <sup>2</sup>	5530 <sup>2</sup>	4150 <sup>1</sup>	2990 <sup>1</sup>	2070 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	6125 <sup>1</sup>	4680 <sup>1</sup>	3400 <sup>1</sup>	2385 <sup>1</sup>	1395 <sup>1</sup>

SP2-L-400	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	9575 <sup>2</sup>	7735 <sup>2</sup>	6055 <sup>2</sup>	4585 <sup>2</sup>	3315 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	8515 <sup>2</sup>	6735	5215 <sup>1</sup>	3880 <sup>1</sup>	2755 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	7500 <sup>2</sup>	5850 <sup>1</sup>	4430 <sup>1</sup>	3215 <sup>1</sup>	2230 <sup>1</sup>

LEGENDA:

Watt = cooling capacity / Potenza frigorifera resa (W)

T evap = evaporating temperature / Temperatura evaporazione (°C)

T cond = condensing temperature / Temperatura condensazione (°C)

- Liquid subcooling / Sottoraffreddamento liquido 0K
- Suction gas temperature / Temperatura gas aspirato 25°C
- Apex "1" identify additional cooling by overhead fan / L'apice "1" identifica il raffreddamento addizionale mediante ventilatore
- Apex "2" additional cooling fan if a remote condenser is used / L'apice "2" con condensatore remoto installare un ventilatore addizionale
- Power supply / frequenza di alimentazione 50Hz

REFRIGERANT / REFRIGERANTE R22

Model	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	SP2-L-550	T cond.	Watt											
30		-	-	-	-	-	-	15330 <sup>1</sup>	12565 <sup>1</sup>	10080 <sup>1</sup>	7895 <sup>2</sup>	6005 <sup>2</sup>	4410 <sup>2</sup>	3115 <sup>2</sup>
40		-	-	-	-	-	-	13785 <sup>1</sup>	11200 <sup>1</sup>	8890 <sup>2</sup>	6860 <sup>2</sup>	5120 <sup>2</sup>	3660 <sup>2</sup>	2490 <sup>2</sup>
50		-	-	-	-	-	-	12110 <sup>1</sup>	9720 <sup>1</sup>	7600 <sup>2</sup>	5735 <sup>2</sup>	4150 <sup>2</sup>	2835 <sup>2</sup>	1800 <sup>2</sup>
SP2-L-600	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	11805 <sup>2</sup>	9130 <sup>2</sup>	6970 <sup>2</sup>	5200 <sup>2</sup>	3775 <sup>2</sup>
	40	-	-	-	-	-	-	-	-	10070 <sup>2</sup>	7690 <sup>2</sup>	5765 <sup>2</sup>	4205 <sup>2</sup>	2930 <sup>2</sup>
50	-	-	-	-	-	-	-	-	8405 <sup>2</sup>	6300 <sup>2</sup>	4605 <sup>2</sup>	3240 <sup>2</sup>	2155 <sup>2</sup>	
SP3-L-750	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	14200 <sup>2</sup>	11210 <sup>2</sup>	8640 <sup>2</sup>	6490 <sup>2</sup>	4700 <sup>2</sup>
	40	-	-	-	-	-	-	-	-	12240 <sup>2</sup>	9545 <sup>2</sup>	7245 <sup>2</sup>	5315 <sup>2</sup>	3730 <sup>2</sup>
50	-	-	-	-	-	-	-	-	10320 <sup>2</sup>	7930 <sup>2</sup>	5890 <sup>2</sup>	4195 <sup>2</sup>	2800 <sup>2</sup>	
SP3-L-1000	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	20260 <sup>2</sup>	15420 <sup>2</sup>	11635 <sup>2</sup>	8655 <sup>2</sup>	6305 <sup>2</sup>
	40	-	-	-	-	-	-	-	-	17210 <sup>2</sup>	12940 <sup>2</sup>	9630 <sup>2</sup>	7040 <sup>2</sup>	5005 <sup>2</sup>
50	-	-	-	-	-	-	-	-	14375 <sup>2</sup>	10660 <sup>2</sup>	7795 <sup>2</sup>	5585 <sup>2</sup>	3855 <sup>2</sup>	
SP3-L-1250	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	23635 <sup>2</sup>	18950 <sup>2</sup>	14960 <sup>2</sup>	11580 <sup>2</sup>	8765 <sup>2</sup>
	40	-	-	-	-	-	-	-	-	21000 <sup>2</sup>	16679 <sup>2</sup>	12990 <sup>2</sup>	9875 <sup>2</sup>	7280 <sup>2</sup>
50	-	-	-	-	-	-	-	-	18165 <sup>2</sup>	14190 <sup>2</sup>	10820 <sup>2</sup>	7975 <sup>2</sup>	5590 <sup>2</sup>	

LEGENDA:

- Watt = cooling capacity / Potenza frigorifera resa (W)
- T evap = evaporating temperature / Temperatura evaporazione (°C)
- T cond = condensing temperature / Temperatura condensazione (°C)
- Liquid subcooling / Sottoraffreddamento liquido 0K
- Suction gas temperature / Temperatura gas aspirato 25°C
- Apex "1" identify additional cooling by overhead fan / L'apice "1" identifica il raffreddamento addizionale mediante ventilatore
- Apex "2" additional cooling fan if a remote condenser is used  
L'apice "2" con condensatore remoto installare un ventilatore addizionale
- Power supply / frequenza di alimentazione 50Hz

REFRIGERANT / REFRIGERANTE R404A

SP2-H-07E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	3475 <sup>2</sup>	3245 <sup>2</sup>	2715 <sup>2</sup>	2255 <sup>2</sup>	1845 <sup>2</sup>	1500 <sup>2</sup>	1200 <sup>2</sup>	945 <sup>2</sup>	730 <sup>2</sup>	550 <sup>2</sup>	395 <sup>2</sup>
	40	-	-	2905 <sup>2</sup>	2710 <sup>2</sup>	2260 <sup>2</sup>	1865 <sup>2</sup>	1525 <sup>2</sup>	1230 <sup>2</sup>	980 <sup>2</sup>	760 <sup>2</sup>	580 <sup>2</sup>	420 <sup>2</sup>	285 <sup>2</sup>
50	-	-	-	-	1800 <sup>2</sup>	1475 <sup>2</sup>	1200 <sup>2</sup>	960 <sup>2</sup>	750 <sup>2</sup>	575 <sup>2</sup>	425 <sup>2</sup>	290 <sup>2</sup>	170 <sup>2</sup>	

SP2-H-10E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	5895 <sup>2</sup>	5505 <sup>2</sup>	4620 <sup>2</sup>	3835 <sup>2</sup>	3160 <sup>2</sup>	2570 <sup>2</sup>	2070 <sup>2</sup>	1640 <sup>2</sup>	1280 <sup>2</sup>	975 <sup>2</sup>	715 <sup>2</sup>
	40	-	-	5000 <sup>2</sup>	4665 <sup>2</sup>	3900 <sup>2</sup>	3225 <sup>2</sup>	2645 <sup>2</sup>	2150 <sup>2</sup>	1720 <sup>2</sup>	1350 <sup>2</sup>	1040 <sup>2</sup>	775 <sup>2</sup>	540 <sup>2</sup>
50	-	-	-	-	-	2625 <sup>2</sup>	2140 <sup>2</sup>	1725 <sup>2</sup>	1365 <sup>2</sup>	1065 <sup>2</sup>	800 <sup>2</sup>	570 <sup>2</sup>	360 <sup>2</sup>	

SP2-H-15E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	7715 <sup>2</sup>	7210 <sup>2</sup>	6065 <sup>2</sup>	5060 <sup>2</sup>	4180 <sup>2</sup>	3420 <sup>2</sup>	2770 <sup>2</sup>	2210 <sup>2</sup>	1735 <sup>2</sup>	1340 <sup>2</sup>	1010 <sup>2</sup>
	40	-	-	6680 <sup>2</sup>	6235 <sup>2</sup>	5220 <sup>2</sup>	4330 <sup>2</sup>	3565 <sup>2</sup>	2900 <sup>2</sup>	2330 <sup>2</sup>	1850 <sup>2</sup>	1435 <sup>2</sup>	1085 <sup>2</sup>	790 <sup>2</sup>
50	-	-	-	-	-	-	2930 <sup>2</sup>	2360 <sup>2</sup>	1880 <sup>2</sup>	1460 <sup>2</sup>	1110 <sup>2</sup>	810 <sup>2</sup>	545 <sup>2</sup>	

SP2-H-20E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	11315 <sup>1</sup>	10545 <sup>1</sup>	8785 <sup>1</sup>	7360 <sup>1</sup>	6040 <sup>1</sup>	4885 <sup>1</sup>	3885 <sup>1</sup>	3025 <sup>1</sup>	2290 <sup>1</sup>	1650 <sup>1</sup>	1100 <sup>1</sup>
	40	-	-	9570 <sup>1</sup>	8910 <sup>1</sup>	7385 <sup>1</sup>	6125 <sup>1</sup>	4990 <sup>1</sup>	3990 <sup>1</sup>	3125 <sup>1</sup>	2365 <sup>1</sup>	1710 <sup>1</sup>	1130 <sup>1</sup>	615 <sup>1</sup>
50	-	-	7785 <sup>1</sup>	7225 <sup>1</sup>	5945 <sup>1</sup>	4860 <sup>1</sup>	3910 <sup>1</sup>	3080 <sup>1</sup>	2350 <sup>1</sup>	1705 <sup>1</sup>	1140 <sup>1</sup>	620 <sup>1</sup>	-	

SP2-H-30E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	16575 <sup>1</sup>	15455 <sup>1</sup>	12965 <sup>1</sup>	10790 <sup>1</sup>	8875 <sup>1</sup>	7195 <sup>1</sup>	5735 <sup>1</sup>	4475 <sup>1</sup>	3395 <sup>1</sup>	2465 <sup>1</sup>	1665 <sup>1</sup>
	40	-	-	14055 <sup>1</sup>	13090 <sup>1</sup>	10880 <sup>1</sup>	9005 <sup>1</sup>	7355 <sup>1</sup>	5910 <sup>1</sup>	4655 <sup>1</sup>	3560 <sup>1</sup>	2615 <sup>1</sup>	1755 <sup>1</sup>	1040 <sup>1</sup>
50	-	-	-	-	8810 <sup>1</sup>	7225 <sup>1</sup>	5850 <sup>1</sup>	4650 <sup>1</sup>	3590 <sup>1</sup>	2675 <sup>1</sup>	1865 <sup>1</sup>	1140 <sup>1</sup>	-	

SP2-H-40E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	22820 <sup>1</sup>	21280 <sup>1</sup>	17955 <sup>1</sup>	15010 <sup>1</sup>	12415 <sup>1</sup>	10150 <sup>1</sup>	8150 <sup>1</sup>	6425 <sup>1</sup>	4945 <sup>1</sup>	3675 <sup>1</sup>	2600 <sup>1</sup>
	40	-	-	19615 <sup>1</sup>	18270 <sup>1</sup>	15270 <sup>1</sup>	12700 <sup>1</sup>	10445 <sup>1</sup>	8450 <sup>1</sup>	6725 <sup>1</sup>	5210 <sup>1</sup>	3925 <sup>1</sup>	2790 <sup>1</sup>	1805 <sup>1</sup>
50	-	-	-	-	12580 <sup>1</sup>	10340 <sup>1</sup>	8410 <sup>1</sup>	6730 <sup>1</sup>	5260 <sup>1</sup>	3985 <sup>1</sup>	2870 <sup>1</sup>	1890 <sup>1</sup>	-	

SP2-H-42E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	17015 <sup>1</sup>	14070 <sup>1</sup>	11495 <sup>1</sup>	9235 <sup>1</sup>	7280 <sup>1</sup>	5605 <sup>1</sup>	4230 <sup>1</sup>	3070 <sup>1</sup>
	40	-	-	-	-	-	14405 <sup>1</sup>	11830 <sup>1</sup>	9590 <sup>1</sup>	7620 <sup>1</sup>	5970 <sup>1</sup>	4550 <sup>1</sup>	3330 <sup>1</sup>	2285 <sup>1</sup>
50	-	-	-	-	-	11860 <sup>1</sup>	9660 <sup>1</sup>	7760 <sup>1</sup>	6120 <sup>1</sup>	4695 <sup>1</sup>	3465 <sup>1</sup>	2405 <sup>1</sup>	1475 <sup>1</sup>	

SP2-H-50E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	29795 <sup>1</sup>	27780 <sup>1</sup>	23285 <sup>1</sup>	19310 <sup>1</sup>	15840 <sup>1</sup>	12840 <sup>1</sup>	10555 <sup>1</sup>	8425 <sup>1</sup>	6600 <sup>1</sup>	5035 <sup>1</sup>	3720 <sup>1</sup>
	40	-	-	25570 <sup>1</sup>	23800 <sup>1</sup>	19845 <sup>1</sup>	16380 <sup>1</sup>	13355 <sup>1</sup>	10735 <sup>1</sup>	8855 <sup>1</sup>	6995 <sup>1</sup>	5395 <sup>1</sup>	4030 <sup>1</sup>	2855 <sup>1</sup>
50	-	-	-	-	16325 <sup>1</sup>	13365 <sup>1</sup>	10795 <sup>1</sup>	8585 <sup>1</sup>	7130 <sup>1</sup>	5535 <sup>1</sup>	4175 <sup>1</sup>	3005 <sup>1</sup>	-	

LEGENDA:

Watt = cooling capacity / Potenza frigorifera resa (W)

T evap = evaporating temperature / Temperatura evaporazione (°C)

T cond = condensing temperature / Temperatura condensazione (°C)

- Liquid subcooling / Sottoraffreddamento liquido 0K
- Suction gas temperature / Temperatura gas aspirato 25°C
- Apex "1" identify additional cooling by overhead fan / L'apice "1" identifica il raffreddamento addizionale mediante ventilatore
- Apex "2" additional cooling fan if a remote condenser is used / L'apice "2" con condensatore remoto installare un ventilatore addizionale
- Power supply / frequenza di alimentazione 50Hz

## REFRIGERANT / REFRIGERANTE R404A

SP2-H-52E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
	T cond.	Watt													
	30	-	-	-	-	23065 <sup>2</sup>	18940 <sup>2</sup>	15545 <sup>2</sup>	12605 <sup>2</sup>	10355 <sup>2</sup>	8270 <sup>2</sup>	6420 <sup>1</sup>	4895 <sup>1</sup>	3630 <sup>1</sup>	
	40	-	-	-	-	19655 <sup>2</sup>	16065 <sup>2</sup>	13095 <sup>2</sup>	10535 <sup>2</sup>	8690 <sup>2</sup>	6870 <sup>1</sup>	5245 <sup>1</sup>	3915 <sup>1</sup>	2770 <sup>1</sup>	
50	-	-	-	-	16170 <sup>2</sup>	13110 <sup>2</sup>	10590 <sup>2</sup>	8425 <sup>2</sup>	6980 <sup>1</sup>	5435 <sup>1</sup>	4070 <sup>1</sup>	2930 <sup>1</sup>	1840 <sup>1</sup>		

SP2-H-75E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
	T cond.	Watt													
	30	-	-	33775 <sup>2</sup>	31535 <sup>2</sup>	26405 <sup>2</sup>	21905 <sup>2</sup>	17975 <sup>2</sup>	14585 <sup>2</sup>	11665 <sup>2</sup>	9180 <sup>2</sup>	7090 <sup>1</sup>	5335 <sup>1</sup>	3875 <sup>1</sup>	
	40	-	-	29015 <sup>2</sup>	27050 <sup>2</sup>	22580 <sup>2</sup>	18650 <sup>2</sup>	15240 <sup>2</sup>	12300 <sup>2</sup>	9755 <sup>2</sup>	7590 <sup>1</sup>	5745 <sup>1</sup>	4175 <sup>1</sup>	3355 <sup>1</sup>	
50	-	-	24055 <sup>2</sup>	22380 <sup>2</sup>	18585 <sup>2</sup>	15270 <sup>2</sup>	12395 <sup>2</sup>	9925 <sup>2</sup>	7785 <sup>1</sup>	5960 <sup>1</sup>	4390 <sup>1</sup>	3035 <sup>1</sup>	-		

SP2-H-80E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
	T cond.	Watt													
	30	-	-	39705 <sup>2</sup>	37075 <sup>2</sup>	31055 <sup>2</sup>	25775 <sup>2</sup>	21165 <sup>2</sup>	17185 <sup>2</sup>	13760 <sup>2</sup>	10840 <sup>2</sup>	8385 <sup>1</sup>	6320 <sup>1</sup>	4600 <sup>1</sup>	
	40	-	-	34125 <sup>2</sup>	31825 <sup>2</sup>	26575 <sup>2</sup>	21970 <sup>2</sup>	17965 <sup>2</sup>	14510 <sup>2</sup>	11525 <sup>2</sup>	8980 <sup>1</sup>	6810 <sup>1</sup>	4960 <sup>1</sup>	4000 <sup>1</sup>	
50	-	-	28315 <sup>2</sup>	26350 <sup>2</sup>	21900 <sup>2</sup>	18005 <sup>2</sup>	14630 <sup>2</sup>	11725 <sup>2</sup>	9215 <sup>1</sup>	7070 <sup>1</sup>	5220 <sup>1</sup>	3620 <sup>1</sup>	-		

SP3-H-100E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
	T cond.	Watt													
	30	-	-	49750 <sup>2</sup>	46470 <sup>2</sup>	38965 <sup>2</sup>	32355 <sup>2</sup>	26600 <sup>2</sup>	21600 <sup>2</sup>	17315 <sup>2</sup>	13670 <sup>2</sup>	10585 <sup>2</sup>	8005 <sup>1</sup>	5860 <sup>1</sup>	
	40	-	-	42075 <sup>2</sup>	39265 <sup>2</sup>	32860 <sup>2</sup>	27235 <sup>2</sup>	22355 <sup>2</sup>	18130 <sup>2</sup>	14495 <sup>2</sup>	11385 <sup>2</sup>	8730 <sup>1</sup>	6470 <sup>1</sup>	4540 <sup>1</sup>	
50	-	-	34320 <sup>2</sup>	31995 <sup>2</sup>	26710 <sup>2</sup>	21150 <sup>2</sup>	18135 <sup>2</sup>	14690 <sup>2</sup>	11735 <sup>2</sup>	9185 <sup>2</sup>	6990 <sup>1</sup>	5080 <sup>1</sup>	-		

SP3-H-150E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
	T cond.	Watt													
	30	-	-	63310 <sup>2</sup>	59160 <sup>2</sup>	49700 <sup>2</sup>	41385 <sup>2</sup>	34120 <sup>2</sup>	27835 <sup>2</sup>	23390 <sup>2</sup>	17835 <sup>2</sup>	13955 <sup>2</sup>	10705 <sup>1</sup>	8000 <sup>1</sup>	
	40	-	-	53400 <sup>2</sup>	49860 <sup>2</sup>	41815 <sup>2</sup>	34765 <sup>2</sup>	28630 <sup>2</sup>	23330 <sup>2</sup>	18760 <sup>2</sup>	14860 <sup>2</sup>	11535 <sup>1</sup>	8695 <sup>1</sup>	6275 <sup>1</sup>	
50	-	-	43350 <sup>2</sup>	40430 <sup>2</sup>	33820 <sup>2</sup>	28075 <sup>2</sup>	23100 <sup>2</sup>	18805 <sup>2</sup>	15115 <sup>2</sup>	11930 <sup>2</sup>	9185 <sup>1</sup>	6800 <sup>1</sup>	-		

SP3-H-180E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
	T cond.	Watt													
	30	-	-	76735 <sup>2</sup>	71720 <sup>2</sup>	60285 <sup>2</sup>	50230 <sup>2</sup>	41445 <sup>2</sup>	33850 <sup>2</sup>	28480 <sup>2</sup>	21750 <sup>2</sup>	17060 <sup>2</sup>	13120 <sup>1</sup>	9845 <sup>1</sup>	
	40	-	-	64780 <sup>2</sup>	60500 <sup>2</sup>	50775 <sup>2</sup>	42255 <sup>2</sup>	34835 <sup>2</sup>	28420 <sup>2</sup>	22895 <sup>2</sup>	18175 <sup>2</sup>	14145 <sup>1</sup>	10705 <sup>1</sup>	7770 <sup>1</sup>	
50	-	-	52640 <sup>2</sup>	49110 <sup>2</sup>	41125 <sup>2</sup>	34175 <sup>2</sup>	28160 <sup>2</sup>	22965 <sup>2</sup>	18495 <sup>2</sup>	14640 <sup>2</sup>	11315 <sup>1</sup>	8415 <sup>1</sup>	-		

### LEGENDA:

**Watt** = cooling capacity / Potenza frigorifera resa (W)

**T evap** = evaporating temperature / Temperatura evaporazione (°C)

**T cond** = condensing temperature / Temperatura condensazione (°C)

- Liquid subcooling / Sottoraffreddamento liquido OK
- Suction gas temperature / Temperatura gas aspirato 25°C
- Apex "1" identify additional cooling by overhead fan / L'apice "1" identifica il raffreddamento addizionale mediante ventilatore
- Apex "2" additional cooling fan if a remote condenser is used  
L'apice "2" con condensatore remoto installare un ventilatore addizionale
- Power supply / frequenza di alimentazione 50Hz

REFRIGERANT / REFRIGERANTE R404A

SP2-L-07E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	2075 <sup>1</sup>	1650 <sup>1</sup>	1280 <sup>1</sup>	970 <sup>1</sup>	710 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	1720 <sup>1</sup>	1350 <sup>1</sup>	1030 <sup>1</sup>	765 <sup>1</sup>	540 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	1365 <sup>1</sup>	1055 <sup>1</sup>	790 <sup>1</sup>	565V	380 <sup>1</sup>

SP2-L-10E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	2780 <sup>1</sup>	2220 <sup>1</sup>	1745 <sup>1</sup>	1340 <sup>1</sup>	1005 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	2340 <sup>1</sup>	1850 <sup>1</sup>	1430 <sup>1</sup>	1075 <sup>1</sup>	780 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	2005 <sup>1</sup>	1460 <sup>1</sup>	1100 <sup>1</sup>	795 <sup>1</sup>	540 <sup>1</sup>

SP2-L-13E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	3175 <sup>1</sup>	2545 <sup>1</sup>	2005 <sup>1</sup>	1545 <sup>1</sup>	1160 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	2685 <sup>1</sup>	2130 <sup>1</sup>	1655 <sup>1</sup>	1260 <sup>1</sup>	920 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	2185 <sup>1</sup>	1710 <sup>1</sup>	1310 <sup>1</sup>	965 <sup>1</sup>	680 <sup>1</sup>

SP2-L-15E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	7230 <sup>1</sup>	5975 <sup>1</sup>	4885 <sup>1</sup>	3955 <sup>1</sup>	3170 <sup>1</sup>	2495 <sup>1</sup>	1925 <sup>1</sup>	1440 <sup>1</sup>
	40	-	-	-	-	-	6190 <sup>1</sup>	5095 <sup>1</sup>	4145 <sup>1</sup>	3335 <sup>1</sup>	2650 <sup>1</sup>	2060 <sup>1</sup>	1570 <sup>1</sup>	1145 <sup>1</sup>
	50	-	-	-	-	-	5590 <sup>1</sup>	4200 <sup>1</sup>	3385 <sup>1</sup>	2695 <sup>1</sup>	2095 <sup>1</sup>	1627 <sup>1</sup>	1205 <sup>1</sup>	850 <sup>1</sup>

SP2-L-20E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	5415 <sup>1</sup>	4260 <sup>1</sup>	3265 <sup>1</sup>	2405 <sup>1</sup>	1670 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	4355 <sup>1</sup>	3360 <sup>1</sup>	2500 <sup>1</sup>	1765 <sup>1</sup>	1130 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	3335 <sup>1</sup>	2505 <sup>1</sup>	1795 <sup>1</sup>	1180 <sup>1</sup>	-

SP2-L-30E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	14005 <sup>1</sup>	11535 <sup>1</sup>	9400 <sup>1</sup>	8040 <sup>1</sup>	6360 <sup>1</sup>	4905 <sup>1</sup>	3650 <sup>1</sup>	2610 <sup>1</sup>
	40	-	-	-	-	-	11725 <sup>1</sup>	9610 <sup>1</sup>	7785 <sup>1</sup>	6620 <sup>1</sup>	5155 <sup>1</sup>	3870 <sup>1</sup>	2770 <sup>1</sup>	1830 <sup>1</sup>
	50	-	-	-	-	-	9385 <sup>1</sup>	7620 <sup>1</sup>	6100 <sup>1</sup>	5200 <sup>1</sup>	3940 <sup>1</sup>	2840 <sup>1</sup>	1900 <sup>1</sup>	1105 <sup>1</sup>

SP2-L-32E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	9325 <sup>1</sup>	7450 <sup>1</sup>	5830 <sup>1</sup>	4450 <sup>1</sup>	3270 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	7885 <sup>1</sup>	6230 <sup>1</sup>	4795 <sup>1</sup>	3555 <sup>1</sup>	2485 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	6390 <sup>1</sup>	4955 <sup>1</sup>	3705 <sup>1</sup>	2620 <sup>1</sup>	1645 <sup>1</sup>

LEGENDA:

Watt = cooling capacity / Potenza frigorifera resa (W)

T evap = evaporating temperature / Temperatura evaporazione (°C)

T cond = condensing temperature / Temperatura condensazione (°C)

- Liquid subcooling / Sottoraffreddamento liquido 0K
- Suction gas temperature / Temperatura gas aspirato 25°C
- Apex "1" identify additional cooling by overhead fan / L'apice "1" identifica il raffreddamento addizionale mediante ventilatore
- Apex "2" additional cooling fan if a remote condenser is used  
L'apice "2" con condensatore remoto installare un ventilatore addizionale
- Power supply / frequenza di alimentazione 50Hz

REFRIGERANT / REFRIGERANTE R404A

SP2-L-40E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	10795 <sup>1</sup>	8660 <sup>1</sup>	6825 <sup>1</sup>	5255 <sup>1</sup>	3925 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	9120 <sup>1</sup>	7245 <sup>1</sup>	5640 <sup>1</sup>	4260 <sup>1</sup>	3065 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	7400 <sup>1</sup>	5800 <sup>1</sup>	4420 <sup>1</sup>	3230 <sup>1</sup>	2180 <sup>1</sup>

SP2-L-55E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40	
	T cond.	Watt													
	30	-	-	-	-	-	-	-	18015 <sup>2</sup>	14745 <sup>1</sup>	11905 <sup>1</sup>	9470 <sup>1</sup>	7395 <sup>1</sup>	5640 <sup>1</sup>	4175 <sup>1</sup>
	40	-	-	-	-	-	-	-	15325 <sup>1</sup>	12470 <sup>1</sup>	9995 <sup>1</sup>	7880 <sup>1</sup>	6080 <sup>1</sup>	4555 <sup>1</sup>	3275 <sup>1</sup>
	50	-	-	-	-	-	-	-	12575 <sup>1</sup>	10145 <sup>1</sup>	8055 <sup>1</sup>	6270 <sup>1</sup>	4760 <sup>1</sup>	3480 <sup>1</sup>	2405 <sup>1</sup>

SP2-L-60E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	17140 <sup>2</sup>	13715 <sup>1</sup>	10800 <sup>1</sup>	8360 <sup>1</sup>	6295 <sup>1</sup>	4580 <sup>1</sup>
	40	-	-	-	-	-	-	-	14480 <sup>1</sup>	11500 <sup>1</sup>	8950 <sup>1</sup>	6790 <sup>1</sup>	4950 <sup>1</sup>	3990 <sup>1</sup>
	50	-	-	-	-	-	-	-	11700 <sup>1</sup>	9205 <sup>1</sup>	7050 <sup>1</sup>	5210 <sup>1</sup>	3615 <sup>1</sup>	3005 <sup>1</sup>

SP3-L-75E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	16620 <sup>1</sup>	13280 <sup>1</sup>	10425 <sup>1</sup>	8005 <sup>1</sup>	5980 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	14005 <sup>1</sup>	11080 <sup>1</sup>	8595 <sup>1</sup>	6490 <sup>1</sup>	4720 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	11330 <sup>1</sup>	8845 <sup>1</sup>	6740 <sup>1</sup>	4960 <sup>1</sup>	3475 <sup>1</sup>

SP3-L-100E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	21745 <sup>1</sup>	17485 <sup>1</sup>	13840 <sup>1</sup>	10745 <sup>1</sup>	8155 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	18420 <sup>1</sup>	14735 <sup>1</sup>	11590 <sup>1</sup>	8930 <sup>1</sup>	6695 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	15080 <sup>1</sup>	11990 <sup>1</sup>	9365 <sup>1</sup>	7155 <sup>1</sup>	5295 <sup>1</sup>

SP3-L-125E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	-	-	-	-	-	-	-	-	26285 <sup>1</sup>	21140 <sup>1</sup>	16730 <sup>1</sup>	12990 <sup>1</sup>	9860 <sup>1</sup>
	40	-	-	-	-	-	-	-	-	22265 <sup>1</sup>	17810 <sup>1</sup>	14010 <sup>1</sup>	10795 <sup>1</sup>	8100 <sup>1</sup>
	50	-	-	-	-	-	-	-	-	18235 <sup>1</sup>	14495 <sup>1</sup>	11325 <sup>1</sup>	8650 <sup>1</sup>	6405 <sup>1</sup>

LEGENDA:

Watt = cooling capacity / Potenza frigorifera resa (W)

T evap = evaporating temperature / Temperatura evaporazione (°C)

T cond = condensing temperature / Temperatura condensazione (°C)

- Liquid subcooling / Sottoraffreddamento liquido OK
- Suction gas temperature / Temperatura gas aspirato 25°C
- Apex "1" identify additional cooling by overhead fan / L'apice "1" identifica il raffreddamento addizionale mediante ventilatore
- Apex "2" additional cooling fan if a remote condenser is used  
L'apice "2" con condensatore remoto installare un ventilatore addizionale
- Power supply / frequenza di alimentazione 50Hz

REFRIGERANT / REFRIGERANTE R134a

SP2-L-07E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	4485	4095	3665	3390	2775	2250	1800	1420	1100	-	-	-	-
	40	3905	3560	3170	2930	2390	1925	1525	1190	910	-	-	-	-
	50	3315	3010	2675	2470	2000	1600	1260	970	725	-	-	-	-

SP2-L-10E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	5730	5230	4680	4335	3555	2885	2310	1830	1420	-	-	-	-
	40	5160	4705	4195	3875	3165	2550	2025	1585	1215	-	-	-	-
	50	4565	4150	3685	3405	2760	2205	1730	1330	995	-	-	-	-

SP2-L-13E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	6560	5995	5360	4497	4085	3320	2665	2110	1645	-	-	-	-
	40	5795	5285	4715	4365	3575	2890	2310	1825	1405	-	-	-	-
	50	5020	4570	4070	3765	3070	2475	1970	1540	1175	-	-	-	-

SP2-L-15E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	8115	7410	6635	6150	5045	4107	3298	2614	2041	-	-	-	-
	40	7195	6575	5860	5420	4435	3590	2870	2265	1750	-	-	-	-
	50	6010	5475	5105	4720	3850	3110	2475	1935	1475	-	-	-	-

SP2-L-20E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	11645	10640	9500	8795	7225	5880	4715	3725	2880	-	-	-	-
	40	10250	9335	8315	7680	6255	5040	4010	3130	2365	-	-	-	-
	50	8835	8030	7135	6580	5330	4255	3340	2560	1895	-	-	-	-

SP2-L-40E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	21075	19285	17270	16030	13200	10775	8680	6920	5440	-	-	-	-
	40	18790	17155	15340	14220	11680	9500	7635	6060	4730	-	-	-	-
	50	16455	15015	13415	12425	10180	8260	6630	5240	4045	-	-	-	-

LEGENDA:

Watt = cooling capacity / Potenza frigorifera resa (W)

T evap = evaporating temperature / Temperatura evaporazione (°C)

T cond = condensing temperature / Temperatura condensazione (°C)

- Liquid subcooling / Sottoraffreddamento liquido 0K
- Suction gas temperature / Temperatura gas aspirato 25°C
- Power supply / frequenza di alimentazione 50Hz

REFRIGERANT / REFRIGERANTE R134a

SP2-L-55E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	25435	23145	20600	19015	15445	12375	9765	7555	5700	-	-	-	-
	40	22535	20455	18160	16725	13510	10745	8400	6420	4755	-	-	-	-
	50	19440	17620	15600	14350	11540	9125	7070	5335	3860	-	-	-	-

SP2-L-60E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	30365	27725	24765	22915	18775	15195	12155	9575	7395	-	-	-	-
	40	27015	24615	21945	20285	16555	13335	10630	8310	6360	-	-	-	-
	50	23585	21465	19110	17665	14365	11555	9160	7120	5370	-	-	-	-

SP3-L-75E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	36610	33380	29790	27555	22500	18255	14450	11320	8700	-	-	-	-
	40	32460	29535	26295	24280	19740	15840	12540	9740	7385	-	-	-	-
	50	28220	25635	22780	21010	17020	13605	10705	8240	6145	-	-	-	-

SP3-L-100E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	45725	41690	37190	34400	28075	22645	18020	14100	10820	-	-	-	-
	40	40610	36950	32890	30370	24685	19815	15675	12175	9240	-	-	-	-
	50	35585	32335	28740	26505	21495	17200	13555	10460	7830	-	-	-	-

SP3-L-125E	T evap.	12,5	10	7	5	0	-5	-10	-15	-20	-25	-30	-35	-40
	T cond.	Watt												
	30	58280	53315	47770	44325	36495	29770	24035	19170	15090	-	-	-	-
	40	51259	46815	41860	38775	31825	25855	20795	16515	12895	-	-	-	-
	50	44145	40245	35915	33225	27185	22010	17600	13865	10660	-	-	-	-

LEGENDA:

Watt = cooling capacity / Potenza frigorifera resa (W)

T evap = evaporating temperature / Temperatura evaporazione (°C)

T cond = condensing temperature / Temperatura condensazione (°C)

- Liquid subcooling / Sottoraffreddamento liquido 0K
- Suction gas temperature / Temperatura gas aspirato 25°C
- Power supply / frequenza di alimentazione 50Hz

Model Modello	Suction line Linea asp. (inch)	Discharge line Linea scarico (inch)	Oil charge Carico olio (dm <sup>3</sup> )	Δ connection Connessione Δ 220V / 3 / 50Hz		Star connection Connessione star 380V / 3 / 50Hz		Displacement Vol. spostato (m <sup>3</sup> /h)	Nominal power Potenza nomin. (Hp)	Weight Peso (Kg)
				FLA (A)	LRA (A)	FLA (A)	LRA (A)			
SP2-H-070	1/2" AG	3/8" AG	0,5	2,8	18	1,9	11	2,91	0,75	42
SP2-H-07E	1/2" AG	3/8" AG	0,5	2,8	18	1,9	11	2,91	0,75	42
SP2-H-100	5/8" AG	1/2" AG	0,5	3,7	27	2,2	16	4,92	1	43
SP2-H-10E	5/8" AG	1/2" AG	0,5	3,7	27	2,2	16	4,92	1	43
SP2-H-150	5/8" AG	1/2" AG	0,5	5,5	30	3,2	18	6,43	1,5	45
SP2-H-15E	5/8" AG	1/2" AG	0,5	5,5	30	3,2	18	6,43	1,5	45
SP2-H-180	5/8" AG	1/2" AG	0,5	6,5	45	3,7	26	7,43	2	47
SP2-H-18E	5/8" AG	1/2" AG	0,5	6,5	45	3,7	26	7,43	2	47
SP2-H-200	7/8" SG	1/2" AG	2	6,5	45	3,7	26	9,06	2	86
SP2-H-20E	7/8" SG	1/2" AG	2	6,5	45	3,7	26	9,06	2	86
SP2-H-300	7/8" SG	1/2" AG	2	9,5	67	5,5	39	12,87	3	91
SP2-H-30E	7/8" SG	1/2" AG	2	9,5	67	5,5	39	12,87	3	91
SP2-H-400	7/8" SG	5/8" AG	2	13	69	7,5	41	17,14	4	93
SP2-H-40E	7/8" SG	5/8" AG	2	13	69	7,5	41	17,14	4	93
SP2-H-420	11/8" SG	5/8" AG	2	13	69	7,5	41	19,43	4	93
SP2-H-42E	11/8" SG	5/8" AG	2	13	69	7,5	41	19,43	4	93
SP2-H-500	11/8" SG	5/8" AG	2	16	80	9,2	46	22,52	5	95
SP2-H-50E	11/8" SG	5/8" AG	2	16	80	9,2	46	22,52	5	95
SP2-H-520	11/8" SG	5/8" AG	2	16	80	9,2	46	22,52	5	105
SP2-H-52E	11/8" SG	5/8" AG	2	16	80	9,2	46	22,52	5	105
SP2-H-750	13/8" S	11/8" SG	2	25	95	14,5	55	26,65	7,5	144
SP2-H-75E	13/8" S	11/8" SG	2	25	95	14,5	55	26,65	7,5	144
SP2-H-800	13/8" S	11/8" SG	2	34	125	20	72	32	10	152
SP2-H-80E	13/8" S	11/8" SG	2	34	125	20	72	32	10	152
SP3-H-1000	13/8" S	11/8" SG	3	34	125	20	72	39,02	10	166
SP3-H-100E	13/8" S	11/8" SG	3	34	125	20	72	39,02	10	166
SP3-H-1500	15/8" S	11/8" SG	3	50	155	29	89	49,88	15	177
SP3-H-150E	15/8" S	11/8" SG	3	50	155	29	89	49,88	15	177
SP3-H-1800	15/8" S	11/8" SG	3	58	160	33	92	60,28	18	185
SP3-H-180E	15/8" S	11/8" SG	3	58	160	33	92	60,28	18	185

## LEGENDA:

A = Flare connection / Collegamento con filettatura

S = Solder connection / Collegamento saldato

G = Service rotary valve with variable position 360° / Valvola di servizio girevole con posizione variabile a 360°

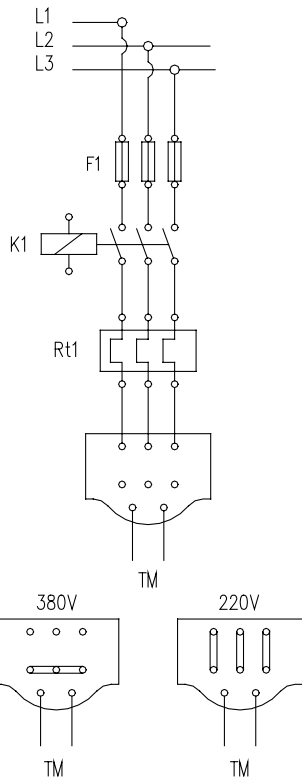
Model Modello	Suction line Linea asp. (inch)	Discharge line Linea scarico (inch)	Oil charge Carico olio (dm <sup>3</sup> )	Δ connection Connessione Δ 220V / 3 / 50Hz		Star connection Conness. star 380V / 3 / 50Hz		Displacement Vol. spostato (m <sup>3</sup> /h)	Nominal power Potenza nomin. (Hp)	Weight Peso (Kg)
				FLA (A)	LRA (A)	FLA (A)	LRA (A)			
SP2-L-070	5/8" AG	3/8" AG	0,5	2,8	18	1,9	11	2,92	0,75	42
SP2-L-07E	5/8" AG	3/8" AG	0,5	2,8	18	1,9	11	2,92	0,75	42
SP2-L-100	5/8" AG	1/2" AG	0,5	3,7	27	2,2	16	6,43	1	43
SP2-L-10E	5/8" AG	1/2" AG	0,5	3,7	27	2,2	16	6,43	1	43
SP2-L-130	5/8" AG	1/2" AG	0,5	5,5	30	3,2	18	7,43	1,5	45
SP2-L-13E	5/8" AG	1/2" AG	0,5	5,5	30	3,2	18	7,43	1,5	45
SP2-L-150	5/8" AG	1/2" AG	0,5	6,5	45	3,7	26	9,06	1,5	47
SP2-L-15E	5/8" AG	1/2" AG	0,5	6,5	45	3,7	26	9,06	1,5	47
SP2-L-200	5/8" SGR	1/2" AG	2	6,5	45	3,7	26	12,87	2	86
SP2-L-20E	5/8" SGR	1/2" AG	2	6,5	45	3,7	26	12,87	2	86
SP2-L-300	7/8" SGR	5/8" AG	2	9,5	67	5,5	39	17,14	3	91
SP2-L-30E	7/8" SGR	5/8" AG	2	9,5	67	5,5	39	17,14	3	91
SP2-L-320	11/8" SGR	5/8" AG	2	9,5	67	5,5	39	19,43	3	91
SP2-L-32E	11/8" SGR	5/8" AG	2	9,5	67	5,5	39	19,43	3	91
SP2-L-400	11/8" SGR	5/8" AG	2	13	69	7,5	41	22,52	4	93
SP2-L-40E	11/8" SGR	5/8" AG	2	13	69	7,5	41	22,52	4	93
SP2-L-550	13/8" S	7/8" SG	2	16	85	9,2	50	26,65	5	137
SP2-L-55E	13/8" S	7/8" SG	2	16	85	9,2	50	26,65	5	137
SP2-L-600	13/8" S	11/8" SG	2	25	95	14,5	55	32	7,5	144
SP2-L-60E	13/8" S	11/8" SG	2	25	95	14,5	55	32	7,5	144
SP3-L-750	13/8" S	11/8" SG	3	25	95	14,5	55	39,02	7,5	158
SP3-L-75E	13/8" S	11/8" SG	3	25	95	14,5	55	39,02	7,5	158
SP3-L-1000	13/8" S	11/8" SG	3	34	125	20	72	49,88	10	166
SP3-L-100E	13/8" S	11/8" SG	3	34	125	20	72	49,88	10	166
SP3-L-1250	13/8" S	11/8" SG	3	40	135	23	78	60,28	12,5	172
SP3-L-125E	13/8" S	11/8" SG	3	40	135	23	78	60,28	12,5	172

LEGENDA:

A = Flare connection / Collegamento con filettatura

S = Solder connection / Collegamento saldato

G = Service rotary valve with variable position 360° / Valvola di servizio girevole con posizione variabile a 360°



### KEY:

L1-L2-L3 = Supply voltage  
 K1= Main contactor  
 F1= Fuses  
 TM = Control circuit (24÷220 Volt)  
 Rt1= Overload protection relay

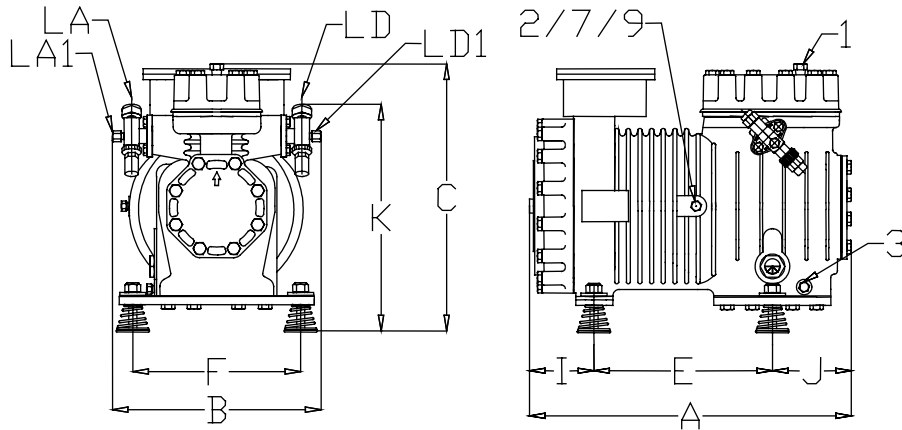
### LEGENDA:

L1-L2-L3 = Alimentazione elettrica  
 K1= Contatore di marcia  
 F1= Fusibili  
 TM = Circuito di controllo (24÷220 Volt)  
 Rt1= Relay di protezione per sovraccarico

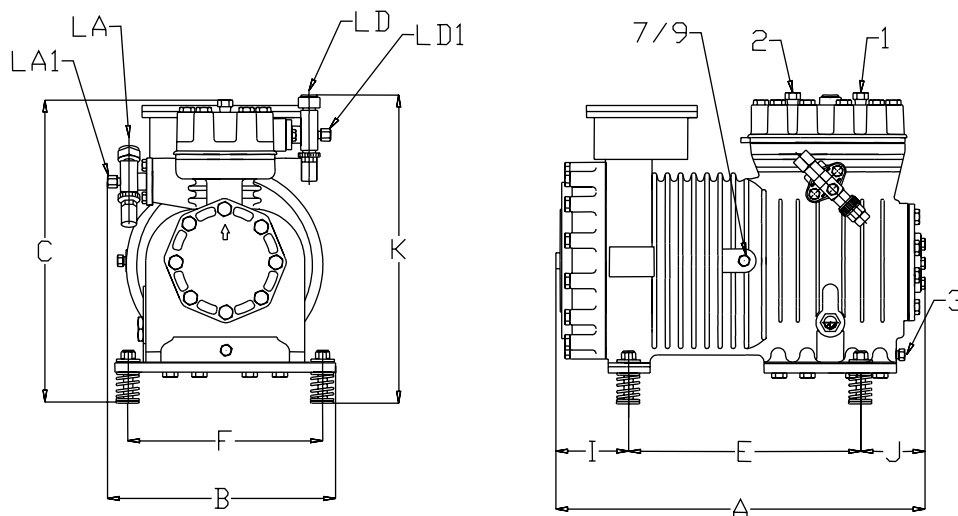
Model Modello	Weight (kg) Peso (kg)		Volume packing Volume imballo dm <sup>3</sup>
	Net-Netto	Gross-Lordo	
SP2-H-070 SP2-H-07E	42	45	48
SP2-L-070 SP2-L-07E	42	45	48
SP2-H-100 SP2-H-10E	43	46	48
SP2-L-100 SP2-L-10E	43	46	48
SP2-H-150 SP2-H-15E	45	48	48
SP2-L-130 SP2-L-13E	45	48	48
SP2-H-180 SP2-H-18E	47	50	48
SP2-L-150 SP2-L-15E	47	50	48
SP2-H-200 SP2-H-20E	86	92	106
SP2-L-200 SP2-L-20E	86	92	106
SP2-H-300 SP2-H-30E	91	97	106
SP2-L-300 SP2-L-30E	91	97	106
SP2-L-320 SP2-L-32E	91	97	106
SP2-H-400 SP2-H-40E	93	99	106
SP2-H-420 SP2-H-42E	93	99	106

Model Modello	Weight (kg) Peso (kg)		Volume packing Volume imballo dm <sup>3</sup>
	Net-Netto	Gross-Lordo	
SP2-L-400 SP2-L-40E	93	99	106
SP2-H-500 SP2-H-50E	95	101	106
SP2-H-520 SP2-H-52E	105	115	195
SP2-L-550 SP2-L-55E	137	147	195
SP2-H-750 SP2-H-75E	144	154	195
SP2-L-600 SP2-L-60E	144	154	195
SP2-H-800 SP2-H-80E	152	162	195
SP3-L-750 SP3-L-75E	158	168	224
SP3-L-1000 SP3-L-100E	166	176	224
SP3-H-1000 SP3-H-100E	166	176	224
SP3-L-1500 SP3-L-150E	177	187	224
SP3-L-1250 SP3-L-125E	172	182	224
SP3-H-1800 SP3-H-180E	185	195	224

**SP-2-H-70(E) ... SP-2-L-150(E)**



**SP-2-H-200(E) ... SP-2-H-500(E)**



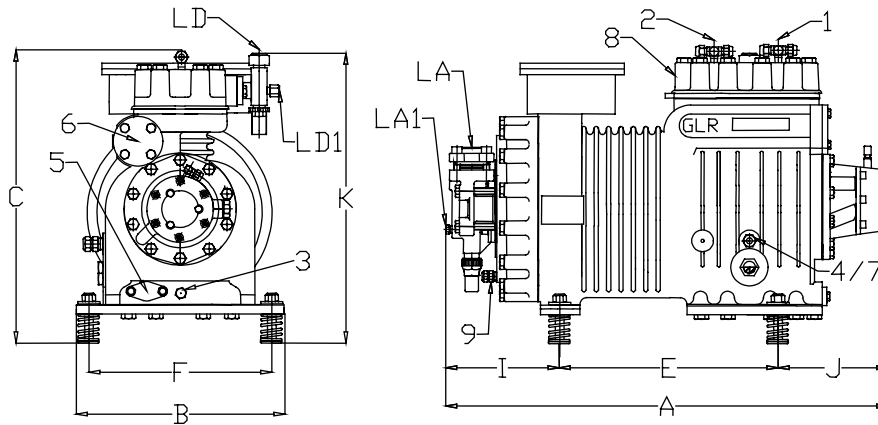
**KEY:**

1 = High pressure control, 2 = Low pressure control, 3 = Oil discharge port, 4 = Oil pressure switch control, 5 = Oil filter, 6 = injection kit, 7 = Oil charge, 8 = Temperature sensor, 9 = Oil separator, LD = Discharge line, LA = Suction line, LD1 = High pressure port, LA1 = Low pressure port

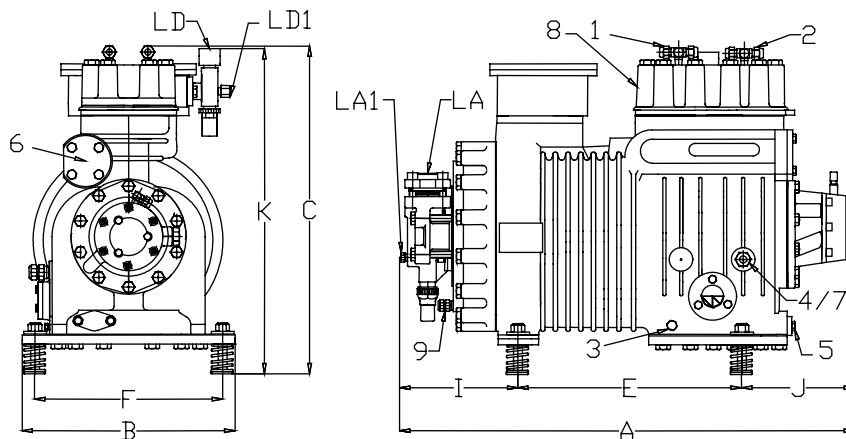
**LEGENDA:**

1 = Controllo alta pressione, 2 = Controllo bassa pressione, 3 = Porta scarico olio, 4 = Dispositivo controllo pressione, 5 = Filtro olio, 6 = Kit iniezione, 7 = Carica olio, 8 = Sensore di temperatura, 9 = Separatore olio, LD = Linea di scarico, LA = Linea aspirazione, LD1 = Porta alta pressione, LA1 = Porta bassa pressione

**SP-2-L-500(E) / SP-2-H-520(E) / SP-2-H-700(E)**



**SP-2-L-550(E) ... SP-2-H-800(E)**



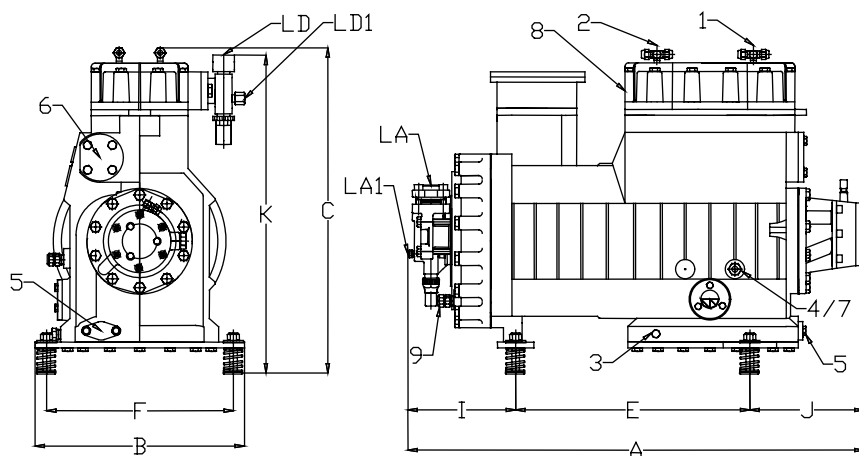
**KEY:**

1 = High pressure control, 2 = Low pressure control, 3 = Oil discharge port, 4 = Oil pressure switch control, 5 = Oil filter, 6 = injection kit, 7 = Oil charge, 8 = Temperature sensor, 9 = Oil separator, LD = Discharge line, LA = Suction line, LD1 = High pressure port, LA1 = Low pressure port

**LEGENDA:**

1 = Controllo alta pressione, 2 = Controllo bassa pressione, 3 = Porta scarico olio, 4 = Dispositivo controllo pressione, 5 = Filtro olio, 6 = Kit iniezione, 7 = Carica olio, 8 = Sensore di temperatura, 9 = Separatore olio, LD = Linea di scarico, LA = Linea aspirazione, LD1 = Porta alta pressione, LA1 = Porta bassa pressione

**SP-3-L-750(E) ... SP-3-H-1800(E)**



	SP2-H-070(E) ... SP2-L-150(E)	SP2-H-200(E) ... SP2-H-500(E)	SP2-L-500(E) SP2-H-520(E) SP2-H-700(E)	SP2-L-550(E) ... SP2-H-800(E)	SP3-L-750(E) ... SP3-H-1800(E)
<b>A</b>	363	482	618	610	758
<b>B</b>	251	340	330	337	356
<b>C</b>	295	390	390	490	520
<b>E</b>	208	295	295	295	381
<b>F</b>	162	280	280	280	305
<b>I</b>	55	97	168	163	208
<b>J</b>	100	90	155	152	169
<b>K</b>	-	408	408	488	512

**KEY:**

1 = High pressure control, 2 = Low pressure control, 3 = Oil discharge port, 4 = Oil pressure switch control, 5 = Oil filter, 6 = injection kit, 7 = Oil charge, 8 = Temperature sensor, 9 = Oil separator, LD = Discharge line, LA = Suction line, LD1 = High pressure port, LA1 = Low pressure port

**LEGENDA:**

1 = Controllo alta pressione, 2 = Controllo bassa pressione, 3 = Porta scarico olio, 4 = Dispositivo controllo pressione, 5 = Filtro olio, 6 = Kit iniezione, 7 = Carica olio, 8 = Sensore di temperatura, 9 = Separatore olio, LD = Linea di scarico, LA = Linea aspirazione, LD1 = Porta alta pressione, LA1 = Porta bassa pressione