



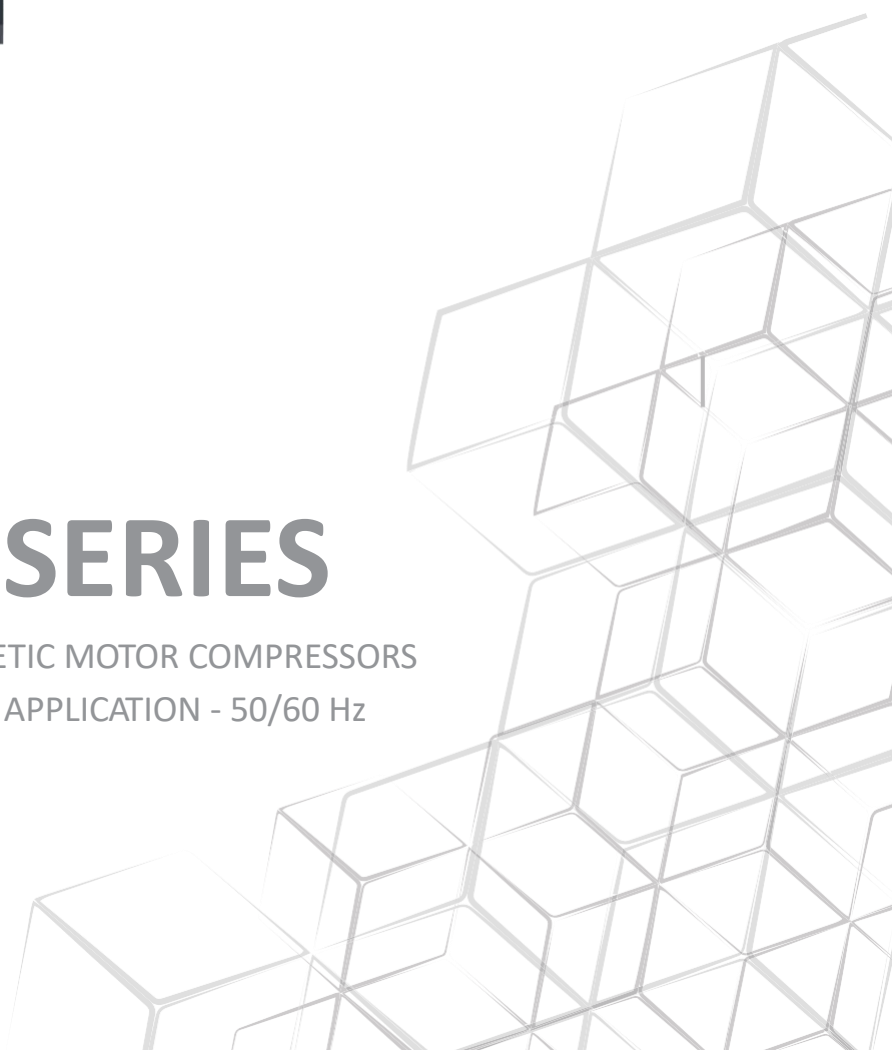
OFFICINE MARIO DORIN SINCE 1918

DORIN[®]
INNOVATION

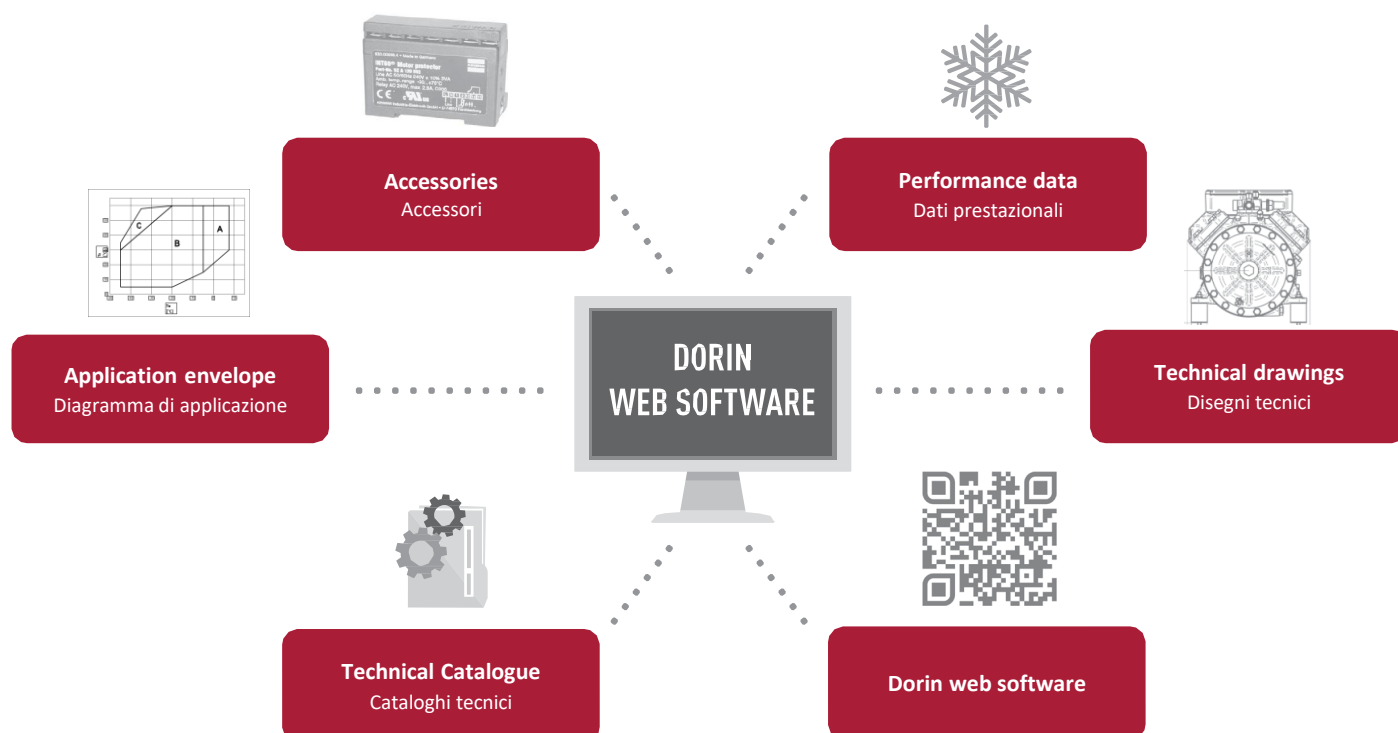


H SERIES

SEMI-HERMETIC MOTOR COMPRESSORS
HFC/HFO APPLICATION - 50/60 Hz



DORIN Web Software



Frequency Range

Range di frequenza



* Maximum operating frequency to be checked in the dedicated technical bulletin

* Controllare la massima frequenza operativa nel bollettino tecnico dedicato

Refrigerants in DORIN software (GWP - AR4)

Refrigeranti disponibili nel software DORIN (GWP - AR4)

	SAFETY GROUP A1				SAFETY GROUP A2L
	R404A (3922)	R507A (3985)	R448A (1387)	R449A (1397)	R454C (148)
LT - MT	R22 (1810)	R407F (1810)	R407A (1825)	R452A (2140)	R455A (148)
MT - HT	R134A (1430)	R513A (631)	R450A (604)	R407C (1774)	

For all the refrigerants not available in the software please contact DORIN for the calculations

Per tutti i refrigeranti non disponibili nel software si prega di contattare DORIN per il calcolo prestazionale

Factory certifications

Certificazioni aziendali

Compressor certifications

Certificazioni di prodotto

ISO 45001:2018
ISO 9001:2015



H SERIES Features

Caratteristiche della gamma H



Silent operations and low vibrations

Basse vibrazioni ed estrema silenziosità

Crankshafts balanced individually, excellent fluid dynamics studies are our strengths

Ogni albero è bilanciato individualmente, studi CFD per ottimizzare i flussi interni



All models VFD compatible

Tutti i modelli possono essere utilizzati a frequenza variabile con inverter

Bore / Stroke values and motors with extra tolerance to high temperature allow wide frequency ranges

Rapporti ottimizzati di alesaggio/corsa e motori estremamente resistenti alle alte temperature garantiscono un esteso funzionamento a frequenze variabili



Highest levels of efficiency

Livelli di efficienza ai vertici per compressori semiermetici

Using latest coating technologies for reducing frictions and improving lubrication

Trattamenti superficiali sui componenti in movimento per ridurre l'attrito e migliorare la lubrificazione



Patented oil containment system for extra low oil carry-over for models with oil pump

Soluzione tecnica di contenimento dell'olio brevettata per ridotti trascinamenti dell'olio sui modelli con pompa

Higher system efficiency, less oil injections from the oil-separator for higher oil viscosity in the compressor sump

Maggiore efficienza del sistema, ridotte iniezioni di olio dal separatore olio per una viscosità più alta dell'olio nel compressore



2 years standard warranty

2 anni di garanzia standard



All compressors suitable for HFC & HFO

Tutti i compressori possono lavorare con gli ultimi refrigeranti HFC e HFO disponibili



Salt spray resistance test, certified for 1000 hours (NSS test in accordance with UNI EN ISO 4628, parts 2,3,8- Assessment method : UNI EN ISO 9227

Prova di resistenza nebbia salina, certificata per 1000 ore (NSS test in accordo alla norma UNI EN ISO 4628, parti 2,3,8- Metodo di valutazione : UNI EN ISO 9227



Small foot print and reduced gross weight

Dimensioni ridotte e peso contenuto

Optimized displacement values for crankcase size

Valori di spostamento volumetrico ottimizzati sulla taglia del corpo del compressore

H SERIES Technical Features Features

Caratteristiche tecniche della gamma H

1

Extra reliability and efficiency of optimised valve plate design

Estrema affidabilità ed efficienza del disegno delle piastre valvole

2

IP65 junction box

Scatola attacchi elettrici con isolamento IP65

3

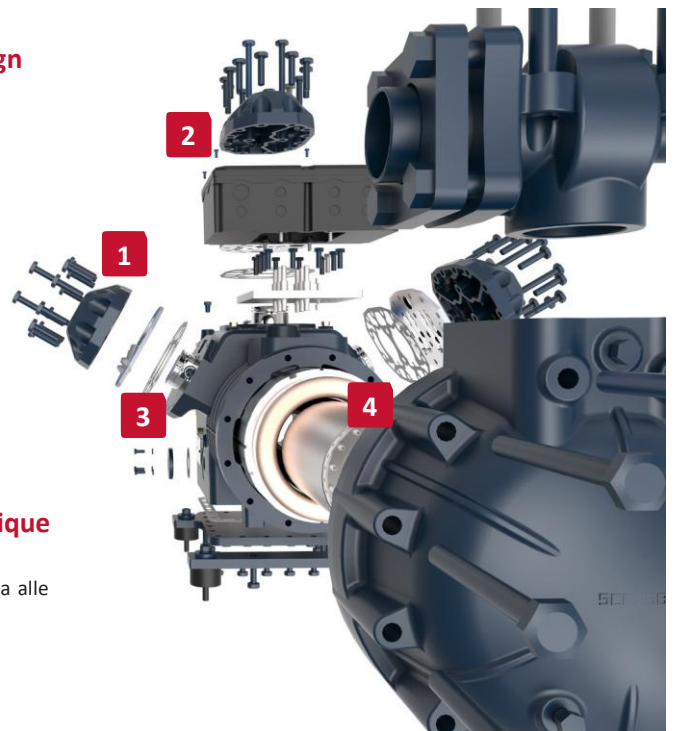
Forced lubrication up to the wrist pin for the models with oil pump

Lubrificazione forzata fino allo spinotto del pistone per i modelli con pompa olio

4

Proven reliability of the electric motor thanks to the unique resistance to high temperatures

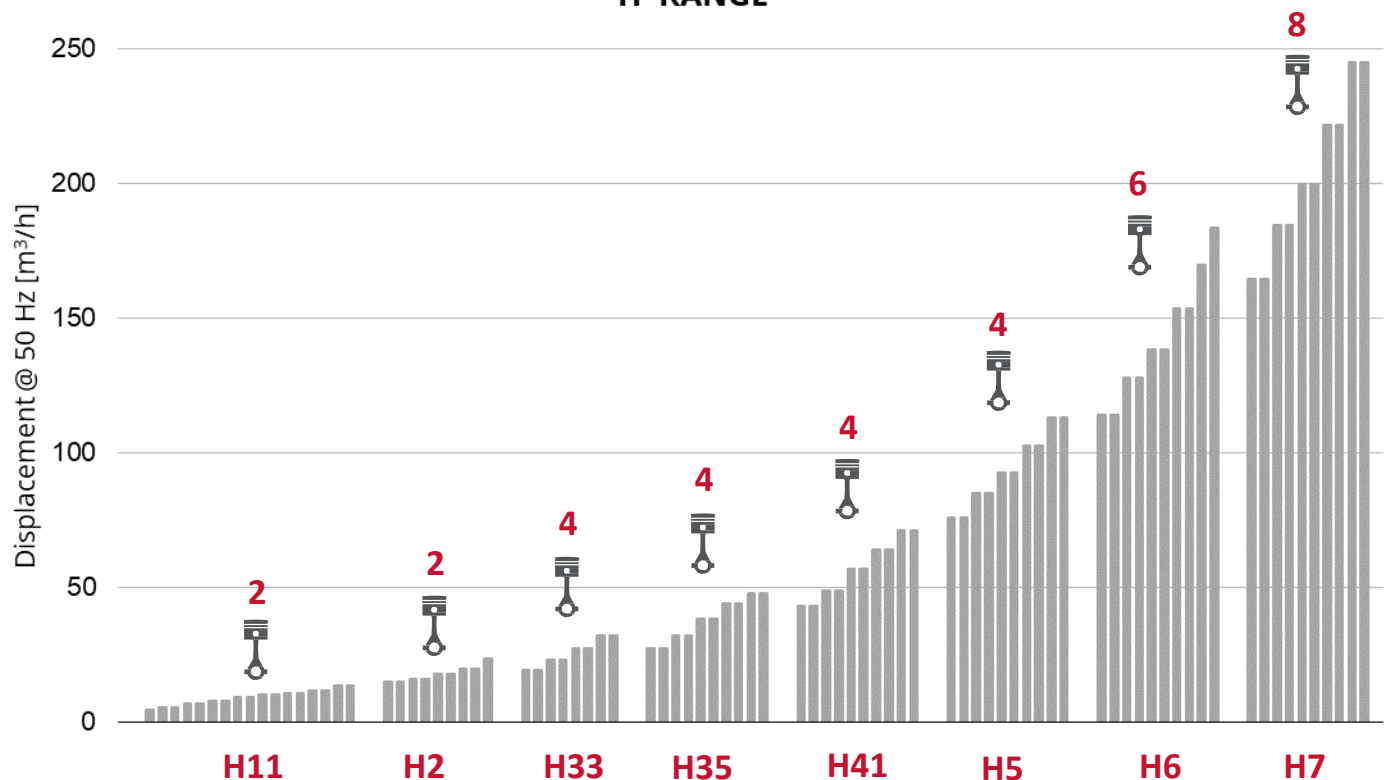
Dimostrata affidabilità del motore elettrico grazie alla straordinaria resistenza alle alte temperature



H range - Displacement

Serie H – Spostamento volumetrico

H RANGE



THE WIDEST COMPRESSOR RANGE IN THE MARKET
FROM 4,42 m³/h TO 244,78 m³/h @ 50 Hz
FROM 0,5 TO 90 HORSE POWER

Model name

Nome modello

	VALID FOR R134a / R450A / R513A / R1234ze	VALID FOR ALL THE OTHER REFRIGERANTS
H101	C	C
MODEL	C HIGH-MEDIUM-LOW EVAPORATING TEMPERATURE C Temperatura di evaporazione bassa-media-alta	
	S MEDIUM-LOW EVAPORATING TEMPERATURE S Temperatura di evaporazione media-bassa	
	B LOW EVAPORATING TEMPERATURE B Temperatura di evaporazione bassa	

Application H SERIES

Applicazioni della gamma H



Industrial Refrigeration

Refrigerazione industriale



Railway Business

Condizionamento treni



Logistic center

Refrigerazione centri
logistici



Marine Application

Applicazioni navali e off-shore



Ice – Cream

Industria gelatiera



A/C

Aria condizionata



Refrigerated transport

Trasporto refrigerato



Retail

Refrigerazione commerciale

Standard and Optional Accessories

Accessori standard ed optional

		MODEL							
● STANDARD ○ OPTIONAL		H11	H2	H33	H35	H41	H5	H6	H7
	Motor Protection (MT) Protezione motore (MT)								
	Compressors are equipped with a PTC probe installed on every motor winding set at 120°C, combined with electronic protection module (REL) I compressori sono equipaggiati con un sensore PTC montato su ogni avvolgimento del motore impostato a 120 °C, combinato con il modulo di protezione elettronico (REL)	●	●	●	●	●	●	●	●
	Electronic Protection Module (REL) Modulo di protezione elettronico (REL)								
	Keeping under constant control winding temperature and discharge temperature (only for H5, H6, H7) (BT007) Modulo per controllare la temperatura degli avvolgimenti e quella di scarico (quest'ultima solo per le gamme H5, H6, H7) (BT007)	●	●	●	●	●	●	●	●
	Crankcase Heater (CH) Resistenza carter								
	The heater is 100 W up to H41 included and 200 W for H5/H6/H7 series (BT001) Il riscaldatore ha una potenza di 100 W fino alla gamma H41 e 200 W per la gamma H5/H6/H7 (BT001)	○	○	○	○	○	○	○	○
	Self-regulating crankcase heater (TCH) Resistenza autoregolante (TCH)								
	Increasing the energy efficiency and reducing the warm-up time. The thermal regulated crankcase heater reduces the output power once the set temperature is reached. Depending on the working conditions there is up to 30% energy saving compared to the standard heater (BT001) Rispetto alla resistenza standard CH riduce il tempo di riscaldamento e incrementa l'efficienza. La resistenza autoregolante aiuta a ridurre il consumo in potenza una volta che la temperatura di set è raggiunta. Il voltaggio in ingresso può variare da 120 fino a 400 V. A seconda delle condizioni di funzionamento può garantire fino al 30 % di risparmio energetico rispetto alla resistenza standard (BT001)	○	○	○	○	○	○	○	○
	Maximum discharge temperature sensor (TMAX) Sonda di massima temperatura di scarico								
	A thermistor probe is monitoring the discharge temperature to be kept below 130°C (BT007) Un termistore controlla la temperatura allo scarico con un set point a 130 °C (BT007)						●	●	●

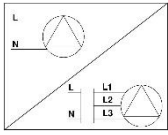
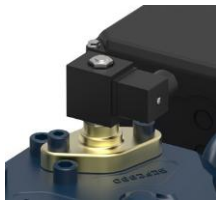
Standard and Optional Accessories

Accessori standard ed optional

		MODEL							
● STANDARD ○ OPTIONAL		H11	H2	H33	H35	H41	H5	H6	H7
	Oil differential pressure switch (ODPS) Sensore differenziale di pressione olio (ODPS)								
	Compressors with oil pump are equipped with an oil differential pressure switch set to 0,85 bar which must be connected in series with all other compressors protections (see BT007) I compressori equipaggiati con pompa olio utilizzano un pressostato olio differenziale settato a 0,85 bar che deve essere connesso in serie a tutte le altre protezioni del compressore (vedi BT007)						●	●	●
	Optical oil level sensor (ALL) Sensore ottico livello olio (ALL)								
	Compressors with 4 cylinders and without oil pump can be equipped with an optical oil level sensor, which can be installed in a dedicated hole placed in correspondence to the internal oil pocket. The sensor is based on an infrared LED and a light receiver. Infrared reflection/refraction depends on the oil level in the pocket (BT007) I compressori con 4 cilindri e senza pompa olio possono essere equipaggiati con un sensore ottico di livello dell'olio che è installato in corrispondenza della «sacca» interna del coperchio. Il sensore funziona grazie ad un emettitore LED e un ricevitore. La riflessione/rifrazione del fascio di infrarossi dipende dal livello di olio nella tasca (BT007)			○	○	○			
	Oil charge Carica olio								
	All compressors are charged in the factory with POE or mineral oil before the mechanical and electrical running tests Tutti i compressori sono caricati con POE o olio minerale prima dei test meccanici ed elettrici a fine linea di assemblaggio	●	●	●	●	●	●	●	●
	Water cooled head (WH) Teste raffreddate ad acqua (WU)								
	Refer to DORIN software to know when this is needed (BT006) Fare riferimento al software di DORIN per sapere quando utilizzare questo accessorio (BT006)	○	○	○	○	○	○	○	○
	Head fan (BF) Ventilatore su testa								
	Refer to DORIN software to know when this is needed (BT006) Fare riferimento al bollettino tecnico BT006 per sapere quando utilizzare questo accessorio	○	○	○	○	○	○	○	○

Standard and Optional Accessories

Accessori standard ed optional

		MODEL							
● STANDARD ○ OPTIONAL		H11	H2	H33	H35	H41	H5	H6	H7
 	Three phase to single phase kit / Kit da monofase a trifase H11 range up to H281CC can be assembled with 1ph electric motor instead of the standard 3ph and Dorin provides a kit with the capacitors and the relays (electric data of the 1ph motors at page 9 and 11). Another option is represented by this electronic module, used to connect a 3ph compressor to 1ph power line. The module allows soft start and variable frequency La gamma H11 fino al modello H281CC può essere equipaggiata con motori elettrici monofase invece che trifase e Dorin fornisce per questo tipo di motore i condensatori di spunto e marcia e i relay (i dati dei motori elettrici monofase sono a pagina 9 e 11). Un'altra opzione è rappresentata da questo modulo elettronico che consente di collegare motori trifase alla rete monofase. Il modulo incorpora anche le funzioni di soft start e inverter.	○							
	Inverter Inverter Any model in the H range can be equipped with inverter to work at variable speed from 30 Hz until 70 Hz. Each inverter is preset in the factory for an easy installation. Additional info on the compressors working with inverter can be found in the dedicated technical bulletin Tutti i modelli della serie H possono essere equipaggiati con inverter per poter lavorare a frequenza variabile da 30 Hz a 70 Hz. Ogni inverter è configurato in DORIN per una facile installazione. Informazioni aggiuntive per il funzionamento dei compressori con inverter è disponibile nel bollettino tecnico dedicato	○	○	○	○	○	○	○	○
	Capacity control head (CR) Controllo di capacità A mechanical capacity control system can be applied on compressors from 4 cylinders and above (BT002) Il controllo di capacità è disponibile sui compressori da 4, 6 e 8 cilindri (BT002)			○	○	○	○	○	○
	Stepless capacity control (SLCR) Regolazione di capacità stepless 10-100% stepless modulation of the capacity is possible by using a special high-frequency pulsating valve in connection with a dedicated mechanical capacity control head system (BT022) E' possibile utilizzare questo accessorio per il controllo di capacità dal 10% al 100% grazie ad un speciale meccanismo ad alta frequenza sul controllo della valvola regolatrice abbinato al sistema di regolazione elettronica dedicato			○	○	○	○	○	○
	Unloaded start (US) Partenza a vuoto (US) With a part-winding start system it is seldom used the unloaded start for bypassing the suction with the discharge, reducing significantly the absorbed inrush current (BT009) Questo accessorio è utilizzato, insieme ai motori PWS, per creare un bypass tra l'aspirazione e lo scarico del compressore e ridurre le correnti assorbite all'avvio della macchina (BT009)			○	○	○	○	○	○
	Suction and discharge service valves Rubinetti di aspirazione e scarico	●	●	●	●	●	●	●	●

Oil Charge / Service Valves / Net Weight

Carica olio / Rubinetti / Peso netto

RANGE GAMMA	MODEL MODELLO	CYLINDERS CILINDRI	OIL CHARGE CARICA OLIO	SUCTION ASPIRAZIONE	DISCHARGE SCARICO	NET WEIGHT PESO NETTO
		[-]	(liters)	SL [mm]	DL [mm]	[kg]
H11	H51CS	2	1,0	12s	12s	35
	H80CC	2	1,0	12s	12s	36
	H80CS	2	1,0	16s	12s	36
	H101CC	2	1,0	16s	12s	37
	H101CS	2	1,0	16s	12s	37
	H151CC	2	1,0	16s	12s	38
	H151CS	2	1,0	16s	12s	38
	H181CC	2	1,0	16s	12s	39
	H181CS	2	1,0	16s	12s	39
	H201CC	2	1,0	16s	12s	40
	H201CS	2	1,0	18s	16s	40
	H221CC	2	1,0	18s	16s	41
	H221CS	2	1,0	18s	16s	41
	H251CC	2	1,0	18s	16s	41
	H251CS	2	1,0	18s	16s	41
	H281CC	2	1,0	18s	16s	43
	H281SB	2	1,0	18s	16s	44
	H281CS	2	1,0	18s	16s	44
H2	H290CS	2	1,4	22s	16s	54
	H300CC	2	1,4	22s	16s	54
	H300CS	2	1,4	28s	16s	54
	H350CC	2	1,4	28s	16s	54
	H350SB	2	1,4	28s	16s	54
	H380CC	2	1,4	28s	16s	56
	H380SB	2	1,4	28s	16s	56
	H390CS	2	1,4	28s	16s	56
	H392CS	2	1,4	28s	16s	56
H33	H355CS	4	1,8	22s	16s	77
	H405CC	4	1,8	22s	16s	77
	H405CS	4	1,8	28s	16s	78
	H505CC	4	1,8	28s	16s	78
	H505CS	4	1,8	28s	18s	78
	H705CC	4	1,8	28s	18s	78
	H705CS	4	1,8	28s	18s	78
H35	H755CC	4	1,8	28s	18s	78
	H551CS	4	2,0	28s	22s	91
	H701CC	4	2,0	28s	22s	91
	H701CS	4	2,0	28s	22s	91
	H751CC	4	2,0	28s	22s	91
	H751CS	4	2,0	35s	22s	91
	H1002CC	4	2,0	35s	22s	99
	H801CS	4	2,0	35s	22s	91
	H1003CC	4	2,0	35s	22s	99
	H901CS	4	2,0	35s	22s	99
	H1151CC	4	2,0	35s	22s	101

RANGE GAMMA	MODEL MODELLO	CYLINDERS CILINDRI	OIL CHARGE CARICA OLIO	SUCTION ASPIRAZIONE	DISCHARGE SCARICO	NET WEIGHT PESO NETTO
		[-]	(liters)	SL [mm]	DL [mm]	[kg]
H41	H851CS	4	2,5	35s	28s	125
	H1201CC	4	2,5	35s	28s	130
	H1001CS	4	2,5	35s	28s	127
	H1501CC	4	2,5	42s	28s	131
	H1501CS	4	2,5	35s	28s	127
	H2001CC	4	2,5	42s	28s	131
	H1601CS	4	2,5	42s	28s	134
	H2201CC	4	2,5	42s	28s	136
	H2201CS	4	2,5	42s	28s	134
	H2401CC	4	2,5	42s	28s	136
H5	H2000CS	4	3,5	42s	28s	190
	H2500CC	4	3,5	54s	28s	185
	H2500CS	4	3,5	54s	28s	185
	H3000CC	4	3,5	54s	28s	199
	H2700CS	4	3,5	54s	35s	200
	H3200CC	4	3,5	54s	35s	205
	H2900CS	4	3,5	54s	35s	205
	H3400CC	4	3,5	54s	35s	205
	H3001CS	4	3,5	54s	35s	205
	H3501CC	4	3,5	54s	35s	205
H6	H3000CS	6	3,5	54s	35s	235
	H3500CC	6	3,5	54s	35s	246
	H3500CS	6	3,5	54s	35s	233
	H4000CC	6	3,5	54s	35s	249
	H4000CS	6	3,5	54s	42s	244
	H4500CC	6	3,5	54s	42s	252
	H4500CS	6	3,5	54s	42s	253
	H5000CC	6	3,5	54s	42s	253
	H5001CS	6	3,5	54s	42s	253
H7	H5000CS	8	8,5	66s	42s	350
	H5500CC	8	8,5	66s	42s	355
	H5500CS	8	8,5	80s	42s	350
	H6000CC	8	8,5	80s	42s	355
	H6000CS	8	8,5	80s	42s	355
	H7500CC	8	8,5	80s	42s	357
	H7501CS	8	8,5	80s	54s	355
	H8001CC	8	8,5	80s	54s	357
	H8000CS	8	8,5	80s	54s	360
	H9000CC	8	8,5	80s	54s	366

Electric Motor FLA (Full Load Ampere)

Massima corrente di funzionamento del motore FLA (Full Load Ampere)

RANGE / GAMMA	MODEL / MODELLO	DISPLACEMENT SPOSTAMENTO VOLUMETRICO		MAX OPERATING CURRENT / MASSIMA CORRENTE DI FUNZIONAMENTO													MAX ABSORBED POWER MASSIMA POTENZA ASSORBITA	
				V / ph / Hz														
				[A]														
		50 Hz	60 Hz														50 Hz [kW]	60 Hz [kW]
[m3/h]	[m3/h]	220-240 / 1 / 50	208-230 / 1 / 60	220-240 / 3 / 50 265-280 / 3 / 60 D	380-420 / 3 / 50 440-480 / 3 / 60 Y	208-230 / 3 / 60 D	360-400 / 3 / 60 Y	200 / 3 / 50-60 D	380-420 / 3 / 50 440-480 / 3 / 60 PWS	200-240 / 3 / 50 PWS	208-230 / 3 / 60 PWS	360-400 / 3 / 60 PWS	475-525 / 3 / 50 570-630 / 3 / 60					
H11	H51CS	4,42	5,30	7,5	9,0	3,1	1,8	3,7	2,2	4,3	-	-	-	-	1,4	1,0	1,2	
	H80CC	4,42	5,30	7,5	9,0	4,2	2,4	5,0	2,9	5,7	-	-	-	-	1,9	1,3	1,6	
	H80CS	5,37	6,44	7,5	9,0	4,2	2,4	5,0	2,9	5,7	-	-	-	-	1,9	1,3	1,6	
	H101CC	5,37	6,44	9,0	10,8	5,0	2,9	6,0	3,5	6,9	-	-	-	-	2,3	1,6	1,9	
	H101CS	6,71	8,05	9,0	10,8	5,0	2,9	6,0	3,5	6,9	-	-	-	-	2,3	1,6	1,9	
	H151CC	6,71	8,05	13,5	16,2	5,9	3,4	7,1	4,1	8,1	-	-	-	-	2,7	2,0	2,4	
	H151CS	7,50	9,00	13,5	16,2	5,9	3,4	7,1	4,1	8,1	-	-	-	-	2,7	2,0	2,4	
	H181CC	7,50	9,00	15,0	18,0	7,6	4,4	9,1	5,3	10,5	-	-	-	-	3,5	2,6	3,2	
	H181CS	9,16	10,99	15,0	18,0	7,6	4,4	9,1	5,3	10,5	-	-	-	-	3,5	2,6	3,2	
	H201CC	9,16	10,99	15,0	18,0	10,4	6,0	12,5	7,2	14,4	-	-	-	-	4,8	3,6	4,4	
	H201CS	9,88	11,86	15,0	18,0	7,6	4,4	9,1	5,3	10,5	-	-	-	-	3,5	2,6	3,2	
	H221CC	9,88	11,86	19,0	23,0	10,4	6,0	12,5	7,2	14,4	-	-	-	-	4,8	3,6	4,4	
	H221CS	10,61	12,73	19,0	23,0	10,4	6,0	12,5	7,2	14,4	-	-	-	-	4,8	3,6	4,4	
	H251CC	10,61	12,73	19,0	23,0	12,6	7,3	15,1	8,7	17,4	-	-	-	-	5,8	4,2	5,1	
	H251CS	11,64	13,97	19,0	23,0	10,4	6,0	12,5	7,2	14,4	-	-	-	-	4,8	3,6	4,4	
	H281CC	11,64	13,97	21,0	25,0	12,6	7,3	15,1	8,7	17,4	-	-	-	-	5,8	4,2	5,1	
H281SB	13,23	15,88	-	-	10,4	6,0	12,5	7,2	14,4	-	-	-	-	4,8	3,6	4,4		
H281CS	13,23	15,88	-	-	12,6	7,3	15,1	8,7	17,4	-	-	-	-	5,8	4,2	5,1		
H2	H290CS	14,74	17,69	-	-	12,9	7,5	15,5	8,9	17,8	-	-	-	-	6,0	4,4	5,3	
	H300CC	14,74	17,69	-	-	16,2	9,4	19,4	11,2	22,5	-	-	-	-	7,5	5,5	6,6	
	H300CS	15,94	19,13	-	-	12,9	7,5	15,5	8,9	17,8	-	-	-	-	6,0	4,4	5,3	
	H350CC	15,94	19,13	-	-	16,2	9,4	19,4	11,2	22,5	-	-	-	-	7,5	5,5	6,6	
	H350SB	17,53	21,04	-	-	12,9	7,5	15,5	8,9	17,8	-	-	-	-	6,0	4,4	5,3	
	H380CC	17,53	21,04	-	-	16,2	9,4	19,4	11,2	22,5	-	-	-	-	7,5	5,5	6,6	
	H380SB	19,53	23,43	-	-	12,9	7,5	15,5	8,9	17,8	-	-	-	-	6,0	4,4	5,3	
	H390CS	19,53	23,43	-	-	16,2	9,4	19,4	11,2	22,5	-	-	-	-	7,5	5,5	6,6	
	H392CS	23,31	27,97	-	-	19,5	11,3	23,5	13,5	27,0	-	-	-	-	9,0	4,6	5,5	
H33	H355CS	19,29	23,14	-	-	18,1	10,5	21,5	12,6	25,0	10,5	-	-	-	8,4	6,2	7,4	
	H405CC	19,29	23,14	-	-	25,0	14,5	30,0	17,4	34,5	14,5	-	-	-	11,6	8,7	10,5	
	H405CS	23,13	27,76	-	-	18,1	10,5	21,5	12,6	25,0	10,5	-	-	-	8,4	6,2	7,4	
	H505CC	23,13	27,76	-	-	25,0	14,5	30,0	17,4	34,5	14,5	-	-	-	11,6	8,7	10,5	
	H505CS	27,33	32,80	-	-	25,0	14,5	30,0	17,4	34,5	14,5	-	-	-	11,6	8,7	10,5	
	H705CC	27,33	32,80	-	-	34,0	19,5	41,0	23,5	47,0	19,5	-	-	-	15,6	11,4	13,7	
	H705CS	31,88	38,26	-	-	25,0	14,5	30,0	17,4	34,5	14,5	-	-	-	11,6	8,7	10,5	
	H755CC	31,88	38,26	-	-	34,0	19,5	41,0	23,5	47,0	19,5	-	-	-	15,6	11,4	13,7	
H35	H551CS	27,33	32,80	-	-	25,0	14,5	30,0	17,4	34,5	14,5	-	-	-	11,6	8,7	10,5	
	H701CC	27,33	32,80	-	-	34,0	19,5	41,0	23,5	47,0	19,5	-	-	-	15,6	11,4	13,7	
	H701CS	31,88	38,26	-	-	25,0	14,5	30,0	17,4	34,5	14,5	-	-	-	11,6	8,7	10,5	
	H751CC	31,88	38,26	-	-	34,0	19,5	41,0	23,5	47,0	19,5	-	-	-	15,6	11,4	13,7	
	H751CS	38,06	45,67	-	-	34,0	19,5	41,0	23,5	47,0	19,5	-	-	-	15,6	11,4	13,7	
	H1002CC	38,06	45,67	-	-	40,0	23,0	48,0	27,5	55,0	23,0	-	-	-	18,4	13,8	16,6	
	H801CS	43,73	52,48	-	-	34,0	19,5	41,0	23,5	47,0	19,5	-	-	-	15,6	11,4	13,7	
	H1003CC	43,73	52,48	-	-	40,0	23,0	48,0	27,5	55,0	23,0	-	-	-	18,4	13,8	16,6	
	H901CS	47,80	57,36	-	-	40,0	23,0	48,0	27,5	55,0	23,0	-	-	-	18,4	13,8	16,6	
	H1151CC	47,80	57,36	-	-	43,0	25,0	52,0	30,0	60,0	25,0	-	-	-	20,0	15,3	18,4	

Electric Motor FLA (Full Load Ampere)

Massima corrente di funzionamento del motore FLA (Full Load Ampere)

RANGE / GAMMA	MODEL / MODELLO	DISPLACEMENT SPOSTAMENTO VOLUMETRICO		MAX OPERATING CURRENT / MASSIMA CORRENTE DI FUNZIONAMENTO												MAX ABSORBED POWER MASSIMA POTENZA ASSORBITA	
				V / ph / Hz													
				[A]													
		50 Hz	60 Hz													50 Hz	60 Hz
		[m3/h]	[m3/h]													[kW]	[kW]
H41	H851CS	42,81	51,38	-	-	34,5	20,0	41,5	24,0	-	20,0	34,5	41,5	24,0	16,0	11,7	14,1
	H1201CC	42,81	51,38	-	-	48,5	28,0	58,0	33,5	-	28,0	48,5	58,0	33,5	22,5	16,8	20,2
	H1001CS	48,82	58,58	-	-	41,5	24,0	50,0	29,0	-	24,0	41,5	50,0	29,0	19,2	14,5	17,4
	H1501CC	48,82	58,58	-	-	59,0	34,0	71,0	41,0	-	34,0	59,0	71,0	41,0	27,0	19,5	23,4
	H1501CS	56,87	68,25	-	-	48,5	28,0	58,0	33,5	-	28,0	48,5	58,0	33,5	22,5	16,8	20,2
	H2001CC	56,87	68,25	-	-	66,0	38,0	79,0	45,5	-	38,0	66,0	79,0	45,5	30,5	22,7	27,2
	H1601CS	63,76	76,51	-	-	59,0	34,0	71,0	41,0	-	34,0	59,0	71,0	41,0	27,0	19,5	23,4
	H2201CC	63,76	76,51	-	-	78,0	45,0	93,0	54,0	-	45,0	78,0	93,0	54,0	36,0	26,6	31,9
	H2201CS	70,84	85,01	-	-	66,0	38,0	79,0	45,5	-	38,0	66,0	79,0	45,5	30,5	22,7	27,2
	H2401CC	70,84	85,01	-	-	78,0	45,0	93,0	54,0	-	45,0	78,0	93,0	54,0	36,0	26,6	31,9
H5	H2000CS	75,83	91,00	-	-	66,0	38,0	79,0	45,5	-	38,0	66,0	79,0	45,5	30,5	22,7	27,2
	H2500CC	75,83	91,00	-	-	83,0	48,0	100,0	58,0	-	48,0	83,0	99,6	57,6	38,5	28,5	34,2
	H2500CS	85,01	102,02	-	-	78,0	45,0	93,0	54,0	-	45,0	78,0	93,0	54,0	36,0	26,6	31,9
	H3000CC	85,01	102,02	-	-	97,0	56,0	116,0	67,0	-	56,0	97,0	116,0	67,0	45,0	33,4	40,1
	H2700CS	92,25	110,69	-	-	83,0	48,0	100,0	58,0	-	48,0	83,0	99,6	57,6	38,5	28,5	34,2
	H3200CC	92,25	110,69	-	-	104,0	60,0	125,0	72,0	-	60,0	104,0	125,0	72,0	48,0	35,2	42,3
	H2900CS	102,35	122,82	-	-	97,0	56,0	116,0	67,0	-	56,0	97,0	116,0	67,0	45,0	33,4	40,1
	H3400CC	102,35	122,82	-	-	104,0	60,0	125,0	72,0	-	60,0	104,0	125,0	72,0	48,0	35,2	42,3
	H3001CS	112,97	135,57	-	-	97,0	56,0	116,0	67,0	-	56,0	97,0	116,0	67,0	45,0	33,4	40,1
	H3501CC	112,97	135,57	-	-	104,0	60,0	125,0	72,0	-	60,0	104,0	125,0	72,0	48,0	35,2	42,3
H6	H3000CS	113,74	136,49	-	-	103,9	60,0	124,7	72,0	-	60,0	103,9	124,7	72,0	48,0	35,9	43,1
	H3500CC	113,74	136,49	-	-	114,3	66,0	137,2	79,2	-	66,0	114,3	137,2	79,2	52,8	39,3	47,1
	H3500CS	127,52	153,02	-	-	103,9	60,0	124,7	72,0	-	60,0	103,9	124,7	72,0	48,0	35,9	43,1
	H4000CC	127,52	153,02	-	-	129,9	75,0	155,9	90,0	-	75,0	129,9	155,9	90,0	60,0	45,5	54,6
	H4000CS	138,37	166,04	-	-	114,3	66,0	137,2	79,2	-	66,0	114,3	137,2	79,2	52,8	39,3	47,1
	H4500CC	138,37	166,04	-	-	145,5	84,0	174,6	100,8	-	84,0	145,5	174,6	100,8	67,2	51,1	61,4
	H4500CS	153,52	184,22	-	-	129,9	75,0	155,9	90,0	-	75,0	129,9	155,9	90,0	60,0	45,5	54,6
	H5000CC	153,52	184,22	-	-	161,1	93,0	193,3	111,6	-	93,0	161,1	193,3	111,6	74,4	56,6	67,9
	H5001CS	169,46	203,35	-	-	161,1	93,0	193,3	111,6	-	93,0	161,1	193,3	111,6	74,4	56,6	67,9
	H5000CS	164,30	197,16	-	-	155,9	90,0	187,1	108,0	-	90,0	155,9	187,1	108,0	72,0	52,9	63,4
H7	H5500CC	164,30	197,16	-	-	181,9	105,0	218,2	126,0	-	105,0	181,9	218,2	126,0	84,0	60,2	72,2
	H5500CS	184,19	221,03	-	-	181,9	105,0	218,2	126,0	-	105,0	181,9	218,2	126,0	84,0	60,2	72,2
	H6000CC	184,19	221,03	-	-	207,8	120,0	249,4	144,0	-	120,0	207,8	249,4	144,0	96,0	69,1	82,9
	H6000CS	199,86	239,83	-	-	181,9	105,0	218,2	126,0	-	105,0	181,9	218,2	126,0	84,0	60,2	72,2
	H7500CC	199,86	239,83	-	-	256,3	148,0	307,6	177,6	-	148,0	256,3	307,6	177,6	118,4	85,8	103,0
	H7501CS	221,75	266,10	-	-	207,8	120,0	249,4	144,0	-	120,0	207,8	249,4	144,0	96,0	69,1	82,9
	H8001CC	221,75	266,10	-	-	256,3	148,0	307,6	177,6	-	148,0	256,3	307,6	177,6	118,4	85,8	103,0
	H8000CS	244,78	293,74	-	-	207,8	120,0	249,4	144,0	-	120,0	207,8	249,4	144,0	96,0	69,1	82,9
	H9000CC	244,78	293,74	-	-	256,3	148,0	307,6	177,6	-	148,0	256,3	307,6	177,6	118,4	85,8	103,0
	H9000CS	244,78	293,74	-	-	256,3	148,0	307,6	177,6	-	148,0	256,3	307,6	177,6	118,4	85,8	103,0

Standard version of the motor / contact our technical service for operating conditions not present in the catalog

Versione standard del motore / contattare il nostro ufficio tecnico commerciale per le condizioni non presenti nel catalogo

Electric Motor LRA (Locked Rotor Ampere)

Corrente a rotore bloccato LRA (Locked Rotor Ampere)

RANGE / GAMMA	MODEL / MODELLO	DISPLACEMENT SPOSTAMENTO VOLUMETRICO		LOCKED ROTOR CURRENT / CORRENTE A ROTORE BLOCCATO											
				V / ph / Hz											
		50 Hz	60 Hz	[A]											
		[m3/h]	[m3/h]	220-240 / 1 / 50	208-230 / 1 / 60	220-240 / 3 / 50 265-290 / 3 / 60 D	380-420 / 3 / 50 440-480 / 3 / 60 Y	208-230 / 3 / 60 D	360-400 / 3 / 60 Y	200 / 3 / 50-60 D	380-420 / 3 / 50 440-480 / 3 / 60 PWS	200-240 / 3 / 50 PWS	208-230 / 3 / 60 PWS	360-400 / 3 / 60 PWS	475-525 / 3 / 50 570-630 / 3 / 60
H11	H51CS	4,42	5,30	31,0	37,0	16,0	9,0	19,0	11,0	19,0	-	-	-	-	7,0
	H80CC	4,42	5,30	31,0	37,0	19,0	11,0	23,0	13,0	23,0	-	-	-	-	9,0
	H80CS	5,37	6,44	31,0	37,0	19,0	11,0	23,0	13,0	23,0	-	-	-	-	9,0
	H101CC	5,37	6,44	47,0	56,0	24,0	14,0	29,0	17,0	29,0	-	-	-	-	11,0
	H101CS	6,71	8,05	47,0	56,0	24,0	14,0	29,0	17,0	29,0	-	-	-	-	11,0
	H151CC	6,71	8,05	73,0	88,0	27,0	16,0	33,0	19,0	33,0	-	-	-	-	12,0
	H151CS	7,50	9,00	73,0	88,0	27,0	16,0	33,0	19,0	33,0	-	-	-	-	12,0
	H181CC	7,50	9,00	81,0	97,0	35,0	20,0	42,0	24,0	42,0	-	-	-	-	16,0
	H181CS	9,16	10,99	81,0	97,0	35,0	20,0	42,0	24,0	42,0	-	-	-	-	16,0
	H201CC	9,16	10,99	81,0	97,0	42,0	25,0	51,0	30,0	51,0	-	-	-	-	20,0
	H201CS	9,88	11,86	81,0	97,0	35,0	20,0	42,0	24,0	42,0	-	-	-	-	16,0
	H221CC	9,88	11,86	91,0	109,0	42,0	25,0	51,0	30,0	51,0	-	-	-	-	20,0
	H221CS	10,61	12,73	91,0	109,0	42,0	25,0	51,0	30,0	51,0	-	-	-	-	20,0
	H251CC	10,61	12,73	91,0	109,0	55,0	32,0	66,0	39,0	66,0	-	-	-	-	26,0
	H251CS	11,64	13,97	91,0	109,0	42,0	25,0	51,0	30,0	51,0	-	-	-	-	20,0
	H281CC	11,64	13,97	91,0	109,0	55,0	32,0	66,0	39,0	66,0	-	-	-	-	26,0
	H281SB	13,23	15,88	-	-	42,0	25,0	51,0	30,0	51,0	-	-	-	-	20,0
	H281CS	13,23	15,88	-	-	55,0	32,0	66,0	39,0	66,0	-	-	-	-	26,0
H2	H290CS	14,74	17,69	-	-	59,0	34,0	71,0	41,0	71,0	-	-	-	-	27,0
	H300CC	14,74	17,69	-	-	76,0	44,0	91,0	52,0	91,0	-	-	-	-	35,0
	H300CS	15,94	19,13	-	-	59,0	34,0	71,0	41,0	71,0	-	-	-	-	27,0
	H350CC	15,94	19,13	-	-	76,0	44,0	91,0	52,0	91,0	-	-	-	-	35,0
	H350SB	17,53	21,04	-	-	59,0	34,0	71,0	41,0	71,0	-	-	-	-	27,0
	H380CC	17,53	21,04	-	-	76,0	44,0	91,0	52,0	91,0	-	-	-	-	35,0
	H380SB	19,53	23,43	-	-	59,0	34,0	71,0	41,0	71,0	-	-	-	-	27,0
	H390CS	19,53	23,43	-	-	76,0	44,0	91,0	52,0	91,0	-	-	-	-	35,0
	H392CS	23,31	27,97	-	-	93,0	54,0	112,0	65,0	112,0	-	-	-	-	43,0
H33	H355CS	19,29	23,14	-	-	92,0	53,0	110,0	64,0	110,0	53,0	-	-	-	43,0
	H405CC	19,29	23,14	-	-	109,0	63,0	131,0	76,0	131,0	63,0	-	-	-	50,0
	H405CS	23,13	27,76	-	-	92,0	53,0	110,0	64,0	110,0	53,0	-	-	-	43,0
	H505CC	23,13	27,76	-	-	109,0	63,0	131,0	76,0	131,0	63,0	-	-	-	50,0
	H505CS	27,33	32,80	-	-	109,0	63,0	131,0	76,0	131,0	63,0	-	-	-	50,0
	H705CC	27,33	32,80	-	-	149,0	86,0	179,0	103,0	179,0	86,0	-	-	-	69,0
	H705CS	31,88	38,26	-	-	109,0	63,0	131,0	76,0	131,0	63,0	-	-	-	50,0
	H755CC	31,88	38,26	-	-	149,0	86,0	179,0	103,0	179,0	86,0	-	-	-	69,0
H35	H551CS	27,33	32,80	-	-	109,0	63,0	131,0	76,0	131,0	63,0	-	-	-	50,0
	H701CC	27,33	32,80	-	-	149,0	86,0	179,0	103,0	179,0	86,0	-	-	-	69,0
	H701CS	31,88	38,26	-	-	109,0	63,0	131,0	76,0	131,0	63,0	-	-	-	50,0
	H751CC	31,88	38,26	-	-	149,0	86,0	179,0	103,0	179,0	86,0	-	-	-	69,0
	H751CS	38,06	45,67	-	-	149,0	86,0	179,0	103,0	179,0	86,0	-	-	-	69,0
	H1002CC	38,06	45,67	-	-	159,0	92,0	191,0	110,0	191,0	92,0	-	-	-	74,0
	H801CS	43,73	52,48	-	-	149,0	86,0	179,0	103,0	179,0	86,0	-	-	-	69,0
	H1003CC	43,73	52,48	-	-	159,0	92,0	191,0	110,0	191,0	92,0	-	-	-	74,0
	H901CS	47,80	57,36	-	-	159,0	92,0	191,0	110,0	220,0	92,0	-	-	-	74,0
	H1151CC	47,80	57,36	-	-	189,0	109,0	227,0	131,0	261,0	109,0	-	-	-	87,0

Electric Motor LRA (Locked Rotor Ampere)

Corrente a rotore bloccato LRA (Locked Rotor Ampere)

RANGE / GAMMA	MODEL / MODELLO	DISPLACEMENT SPOSTAMENTO VOLUMETRICO		LOCKED ROTOR CURRENT / CORRENTE A ROTORE BLOCCATO											
				V / ph / Hz											
		50 Hz	60 Hz	[A]											
		[m3/h]	[m3/h]	220-240 / 1 / 50	208-230 / 1 / 60	220-240 / 3 / 50 265-290 / 3 / 60 D	380-420 / 3 / 50 440-480 / 3 / 60 Y	208-230 / 3 / 60 D	360-400 / 3 / 60 Y	200 / 3 / 50-60 D	380-420 / 3 / 50 440-480 / 3 / 60 PWS	200-240 / 3 / 50 PWS	208-230 / 3 / 60 PWS	360-400 / 3 / 60 PWS	475-525 / 3 / 50 570-630 / 3 / 60
H41	H851CS	42,81	51,38	-	-	181,0	105,0	217,0	126,0	-	105,0	181,0	217,0	126,0	84,0
	H1201CC	42,81	51,38	-	-	233,0	135,0	280,0	162,0	-	135,0	233,0	280,0	162,0	108,0
	H1001CS	48,82	58,58	-	-	188,0	109,0	226,0	130,0	-	109,0	188,0	226,0	130,0	87,0
	H1501CC	48,82	58,58	-	-	295,0	171,0	354,0	205,0	-	171,0	295,0	354,0	205,0	136,0
	H1501CS	56,87	68,25	-	-	233,0	135,0	280,0	162,0	-	135,0	233,0	280,0	162,0	108,0
	H2001CC	56,87	68,25	-	-	306,0	177,0	367,0	212,0	-	177,0	306,0	367,0	212,0	142,0
	H1601CS	63,76	76,51	-	-	295,0	171,0	354,0	205,0	-	171,0	295,0	354,0	205,0	136,0
	H2201CC	63,76	76,51	-	-	351,0	203,0	421,0	244,0	-	203,0	351,0	421,0	244,0	162,0
	H2201CS	70,84	85,01	-	-	306,0	177,0	367,0	212,0	-	177,0	306,0	367,0	212,0	142,0
	H2401CC	70,84	85,01	-	-	351,0	203,0	421,0	244,0	-	203,0	351,0	421,0	244,0	162,0
H5	H2000CS	75,83	91,00	-	-	306,0	177,0	367,0	212,0	-	177,0	306,0	367,0	212,0	142,0
	H2500CC	75,83	91,00	-	-	351,0	203,0	421,0	244,0	-	203,0	351,0	421,0	244,0	162,0
	H2500CS	85,01	102,02	-	-	351,0	203,0	421,0	244,0	-	203,0	351,0	421,0	244,0	162,0
	H3000CC	85,01	102,02	-	-	424,0	245,0	509,0	294,0	-	245,0	424,0	509,0	294,0	196,0
	H2700CS	92,25	110,69	-	-	351,0	203,0	421,0	244,0	-	203,0	351,0	421,0	244,0	162,0
	H3200CC	92,25	110,69	-	-	450,0	260,0	540,0	312,0	-	260,0	450,0	540,0	312,0	208,0
	H2900CS	102,35	122,82	-	-	424,0	245,0	509,0	294,0	-	245,0	424,0	509,0	294,0	196,0
	H3400CC	102,35	122,82	-	-	450,0	260,0	540,0	312,0	-	260,0	450,0	540,0	312,0	208,0
	H3001CS	112,97	135,57	-	-	424,0	245,0	509,0	294,0	-	245,0	424,0	509,0	294,0	196,0
	H3501CC	112,97	135,57	-	-	450,0	260,0	540,0	312,0	-	260,0	450,0	540,0	312,0	208,0
H6	H3000CS	113,74	136,49	-	-	424,0	245,0	509,0	294,0	-	245,0	424,0	509,0	294,0	196,0
	H3500CC	113,74	136,49	-	-	450,0	260,0	540,0	312,0	-	260,0	450,0	540,0	312,0	208,0
	H3500CS	127,52	153,02	-	-	424,0	245,0	509,0	294,0	-	245,0	424,0	509,0	294,0	196,0
	H4000CC	127,52	153,02	-	-	502,0	290,0	602,0	348,0	-	290,0	502,0	602,0	348,0	232,0
	H4000CS	138,37	166,04	-	-	450,0	260,0	540,0	312,0	-	260,0	450,0	540,0	312,0	208,0
	H4500CC	138,37	166,04	-	-	559,0	323,0	671,0	388,0	-	323,0	559,0	671,0	388,0	258,0
	H4500CS	153,52	184,22	-	-	502,0	290,0	602,0	348,0	-	290,0	502,0	602,0	348,0	232,0
	H5000CC	153,52	184,22	-	-	619,0	358,0	743,0	430,0	-	358,0	619,0	743,0	430,0	286,0
	H5001CS	169,46	203,35	-	-	619,0	358,0	743,0	430,0	-	358,0	619,0	743,0	430,0	286,0
	H5000CS	164,30	197,16	-	-	636,0	367,0	763,0	440,0	-	367,0	636,0	763,0	440,0	294,0
H7	H5500CC	164,30	197,16	-	-	788,0	455,0	946,0	546,0	-	455,0	788,0	946,0	546,0	364,0
	H5500CS	184,19	221,03	-	-	788,0	455,0	946,0	546,0	-	455,0	788,0	946,0	546,0	364,0
	H6000CC	184,19	221,03	-	-	942,0	544,0	1131,0	653,0	-	544,0	942,0	1131,0	653,0	435,0
	H6000CS	199,86	239,83	-	-	788,0	455,0	946,0	546,0	-	455,0	788,0	946,0	546,0	364,0
	H7500CC	199,86	239,83	-	-	1012,0	584,0	1214,0	701,0	-	584,0	1012,0	1214,0	701,0	467,0
	H7501CS	221,75	266,10	-	-	942,0	544,0	1131,0	653,0	-	544,0	942,0	1131,0	653,0	435,0
	H8001CC	221,75	266,10	-	-	1012,0	584,0	1214,0	701,0	-	584,0	1012,0	1214,0	701,0	467,0
	H8000CS	244,78	293,74	-	-	942,0	544,0	1131,0	653,0	-	544,0	942,0	1131,0	653,0	435,0
	H9000CC	244,78	293,74	-	-	1012,0	584,0	1214,0	701,0	-	584,0	1012,0	1214,0	701,0	467,0
	H9000CS	244,78	293,74	-	-	1012,0	584,0	1214,0	701,0	-	584,0	1012,0	1214,0	701,0	467,0

Standard version of the motor / contact our technical service for operating conditions not present in the catalog

Versione standard del motore / contattare il nostro ufficio tecnico commerciale per le condizioni non presenti nel catalogo

H SERIES

Noise Level

Livello di rumorosità

RANGE GAMMA	MODEL MODELLO	DISPLACEMENT SPOSTAMENTO VOLUMETRICO		SOUND PRESSURE (FREE FIELD) LIVELLO DI PRESSIONE SONORA (CAMPO LIBERO)						SOUND POWER POTENZA SONORA		
				1,8 m			5 m			ISO9614-1 grade 2		
		Te / Tc [°C]		Te / Tc [°C]			Te / Tc [°C]			Te / Tc [°C]		
		50 Hz	60 Hz	+7 / +50	-10 / +45	-30 / +40	+7 / +50	-10 / +45	-30 / +40	+7 / +50	-10 / +45	-30 / +40
		[m³/h]		[dBA]								
H11	H51CS	4,42	5,30			47,8			38,9			63,9
	H80CC	4,42	5,30	46,5			37,6			62,6		
	H80CS	5,37	6,44			48,6			39,7			64,7
	H101CC	5,37	6,44	48,3			39,4			64,4		
	H101CS	6,71	8,05			49,8			40,9			65,9
	H151CC	6,71	8,05	49,2			40,3			65,3		
	H151CS	7,50	9,00			50,1			41,2			66,2
	H181CC	7,50	9,00	49,6			40,7			65,7		
	H181CS	9,16	10,99			50,7			41,8			66,8
	H201CC	9,16	10,99	49,8			40,9			65,9		
	H201CS	9,88	11,86			51,2			42,3			67,3
	H221CC	9,88	11,86	50,0			41,1			66,1		
	H221CS	10,61	12,73			51,8			42,9			67,9
	H251CC	10,61	12,73	51,9			43,0			68,0		
	H251CS	11,64	13,97		49,8	51,8		40,9	42,9		65,9	67,9
H2	H281CC	11,64	13,97	54,8	53,4	51,8	45,9	44,5	42,9	70,9	69,5	67,9
	H281SB	13,23	15,88		53,4	51,8		44,5	42,9		69,5	67,9
	H281CS	13,23	15,88		53,4	51,8		44,5	42,9		69,5	67,9
	H290CS	14,74	17,69			51,9			43,0			68,0
	H300CC	14,74	17,69		51,4	51,9		42,5	43,0		67,5	68,0
	H300CS	15,94	19,13	50,9	51,4		42,0	42,5		67,0	67,5	
	H350CC	15,94	19,13	51,4	51,9		42,5	43,0		67,5	68,0	
	H350SB	17,53	21,04	51,4	51,9		42,5	43,0		67,5	68,0	
	H380CC	17,53	21,04			52,4			43,5			68,5
H33	H380SB	19,53	23,43	52,9	52,4		44,0	43,5		69,0	68,5	
	H390CS	19,53	23,43			53,4			44,5			69,5
	H392CS	23,31	27,97		53,9	54,4		45,0	45,5		70,0	70,5
	H355CS	19,29	23,14		54,4	55,4		45,5	46,5		70,5	71,5
	H405CC	19,29	23,14	55,4	56,4		46,5	47,5		71,5	72,5	
	H405CS	23,13	27,76		55,4	56,9		46,5	48,0		71,5	73,0
	H505CC	23,13	27,76	55,9	56,9		47,0	48,0		72,0	73,0	
	H505CS	27,33	32,80		57,9	58,4		49,0	49,5		74,0	74,5
H35	H705CC	27,33	32,80		58,4	58,9		49,5	50,0		74,5	75,0
	H705CS	31,88	38,26	57,9	58,4	58,9	49,0	49,5	50,0	74,0	74,5	75,0
	H755CC	31,88	38,26		58,9	59,4		50,0	50,5		75,0	75,5
	H551CS	27,33	32,80		57,9	58,4		49,0	49,5		74,0	74,5
	H701CC	27,33	32,80	57,9	58,4	58,9	49,0	49,5	50,0	74,0	74,5	75,0
	H701CS	31,88	38,26		58,4	58,9		49,5	50,0		74,5	75,0
	H751CC	31,88	38,26	58,4	58,9	59,4	49,5	50,0	50,5	74,5	75,0	75,5
	H751CS	38,06	45,67		58,9	59,4		50,0	50,5		75,0	75,5
	H1002CC	38,06	45,67	58,4	58,9	59,9	49,5	50,0	51,0	74,5	75,0	76,0
	H801CS	43,73	52,48		58,9	59,4		50,0	50,5		75,0	75,5
H35	H1003CC	43,73	52,48	58,9	59,4	59,9	50,0	50,5	51,0	75,0	75,5	76,0
	H901CS	47,80	57,36		59,4	59,9		50,5	51,0		75,5	76,0
	H1151CC	47,80	57,36	58,9	59,9	60,4	50,5	51,0	51,5	75,5	76,0	76,5

H SERIES

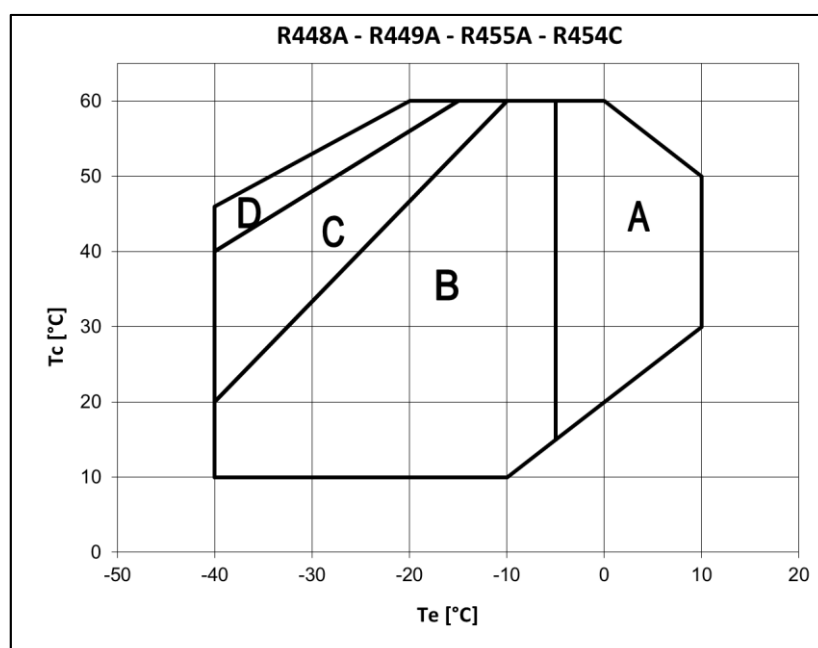
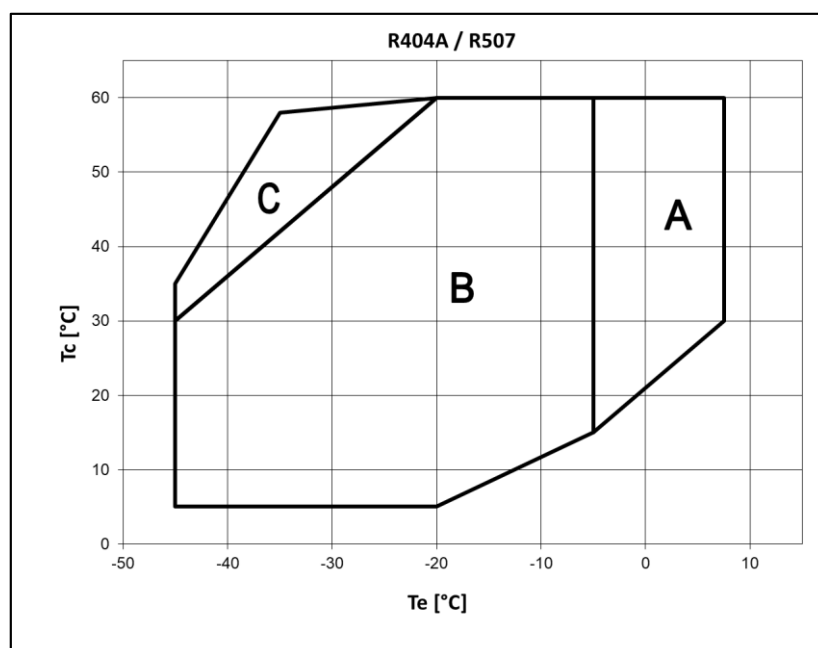
Noise Level

Livello di rumorosità

RANGE GAMMA	MODEL MODELLO	DISPLACEMENT SPOSTAMENTO VOLUMETRICO		SOUND PRESSURE (FREE FIELD) LIVELLO DI PRESSIONE SONORA (CAMPO LIBERO)						SOUND POWER POTENZA SONORA		
				1,8 m			5 m			ISO9614-1 grade 2		
				Te / Tc [°C]			Te / Tc [°C]			Te / Tc [°C]		
		50 Hz	60 Hz	+7 / +50	-10 / +45	-30 / +40	+7 / +50	-10 / +45	-30 / +40	+7 / +50	-10 / +45	-30 / +40
[m³/h]		[dBA]										
H41	H851CS	42,81	51,38		58,9	60,4		50,0	51,5		75,0	76,5
	H1201CC	42,81	51,38	58,9	58,9	60,4	50,0	50,0	51,5	75,0	75,0	76,5
	H1001CS	48,82	58,58		60,9	61,4		52,0	52,5		77,0	77,5
	H1501CC	48,82	58,58	60,4	60,9	61,4	51,5	52,0	52,5	76,5	77,0	77,5
	H1501CS	56,87	68,25		61,9	62,6		53,0	53,7		78,0	78,7
	H2001CC	56,87	68,25	61,4	61,9	62,6	52,5	53,0	53,7	77,5	78,0	78,7
	H1601CS	63,76	76,51		62,9	63,4		54,0	54,5		79,0	79,5
	H2201CC	63,76	76,51	62,4	62,9	63,4	53,5	54,0	54,5	78,5	79,0	79,5
	H2201CS	70,84	85,01		62,9	63,4		54,0	54,5		79,0	79,5
	H2401CC	70,84	85,01	62,4	62,9	63,4	53,5	54,0	54,5	78,5	79,0	79,5
H5	H2000CS	75,83	91,00		61,4	61,9		52,5	53,0		77,5	78,0
	H2500CC	75,83	91,00	60,9	61,4	61,9	52,0	52,5	53,0	77,0	77,5	78,0
	H2500CS	85,01	102,02		62,4	62,9		53,5	54,0		78,5	79,0
	H3000CC	85,01	102,02	61,9	62,4	62,9	53,0	53,5	54,0	78,0	78,5	79,0
	H2700CS	92,25	110,69		63,4	63,9		54,5	55,0		79,5	80,0
	H3200CC	92,25	110,69	62,9	63,4	63,9	54,0	54,5	55,0	79,0	79,5	80,0
	H2900CS	102,35	122,82		64,4	64,9		55,5	56,0		80,5	81,0
	H3400CC	102,35	122,82	63,9	64,4	64,9	55,0	55,5	56,0	80,0	80,5	81,0
	H3001CS	112,97	135,57		64,9	65,4		56,0	56,5		81,0	81,5
	H3501CC	112,97	135,57	64,4	64,9	65,4	55,5	56,0	56,5	80,5	81,0	81,5
H6	H3000CS	113,74	136,49		65,4	65,9		56,5	57,0		81,5	82,0
	H3500CC	113,74	136,49	64,9	65,4	65,9	56,0	56,5	57,0	81,0	81,5	82,0
	H3500CS	127,52	153,02		65,9	66,4		57,0	57,5		82,0	82,5
	H4000CC	127,52	153,02	65,4	65,9	66,4	56,5	57,0	57,5	81,5	82,0	82,5
	H4000CS	138,37	166,04		66,4	66,9		57,5	58,0		82,5	83,0
	H4500CC	138,37	166,04	65,9	66,4	66,9	57,0	57,5	58,0	82,0	82,5	83,0
	H4500CS	153,52	184,22		66,5	67,0		57,6	58,1		82,6	83,1
	H5000CC	153,52	184,22	66,5	67,0	67,5	57,6	58,1	58,6	82,6	83,1	83,6
	H5001CS	169,46	203,55		67,0	67,5		58,1	58,6		83,1	83,6
	H7	H5000CS	164,30	197,16		66,9	67,4		58,0	58,5		83,0
H5500CC		164,30	197,16	66,4	66,9	67,4	57,5	58,0	58,5	82,5	83,0	83,5
H5500CS		184,19	221,03		67,1	67,6		58,2	58,7		83,2	83,7
H6000CC		184,19	221,03	66,6	67,1	67,6	57,7	58,2	58,7	82,7	83,2	83,7
H6000CS		199,86	239,83		67,3	67,8		58,4	58,9		83,4	83,9
H7500CC		199,86	239,83	66,8	67,3	67,8	57,9	58,4	58,9	82,9	83,4	83,9
H7501CS		221,75	266,10		67,4	67,9		58,5	59,0		83,5	84,0
H8001CC		221,75	266,10	66,9	67,4	67,9	58,0	58,5	59,0	83,0	83,5	84,0
H8000CS		244,78	293,74		67,5	68,0		58,6	59,1		83,6	84,1
H9000CC		244,78	293,74	67,0	67,5	68,0	58,1	58,6	59,1	83,1	83,6	84,1

Application Envelope

Diagramma di applicazione

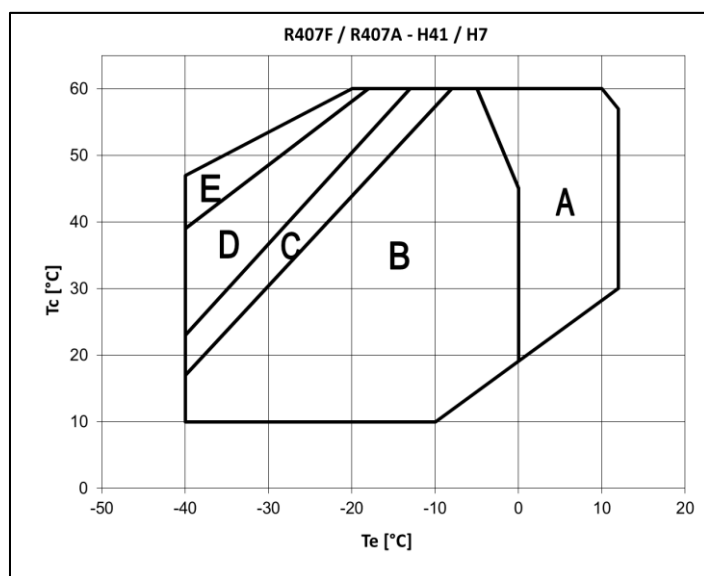
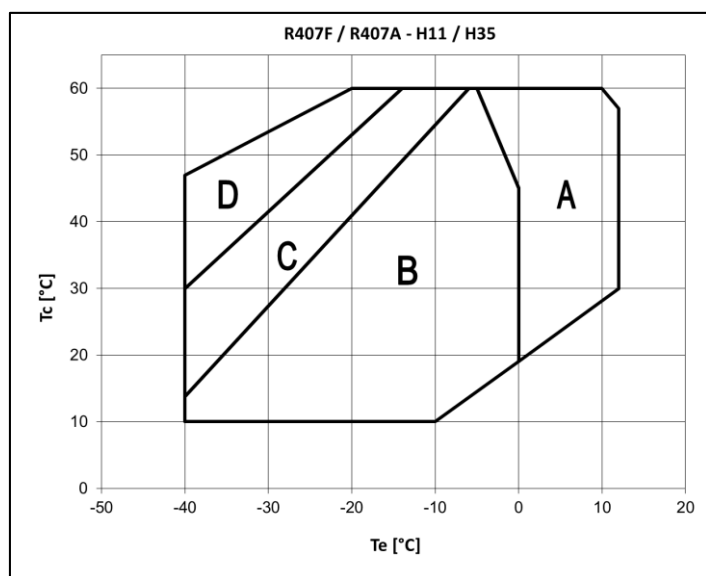
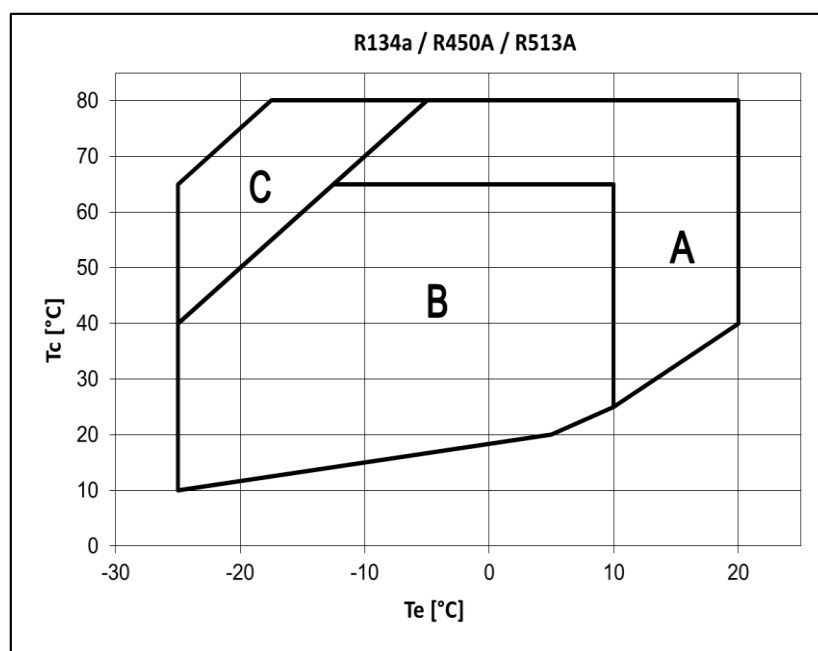


The application envelope changes depending on the compressor model and is available for every model and for every refrigerant in the DORIN web software
Il diagramma di applicazione cambia con il modello di compressore ed è disponibile per ogni modello e refrigerante nel web software di DORIN

A	«CC» MODELS ONLY / Solo modelli «CC»
B	«CC» AND «CS» MODELS / Modelli «CC» e «CS»
C	«CC» AND «CS» MODELS with head cooling fan or max superheating 20 K / Modelli «CC» e «CS» con ventilatore su testa o massimo surriscaldamento di 20 K
D	«CC» AND «CS» MODELS with head cooling fan and max superheating 20 K / Modelli «CC» e «CS» con ventilatore su testa e massimo surriscaldamento di 20 K

Application Envelope

Diagramma di applicazione



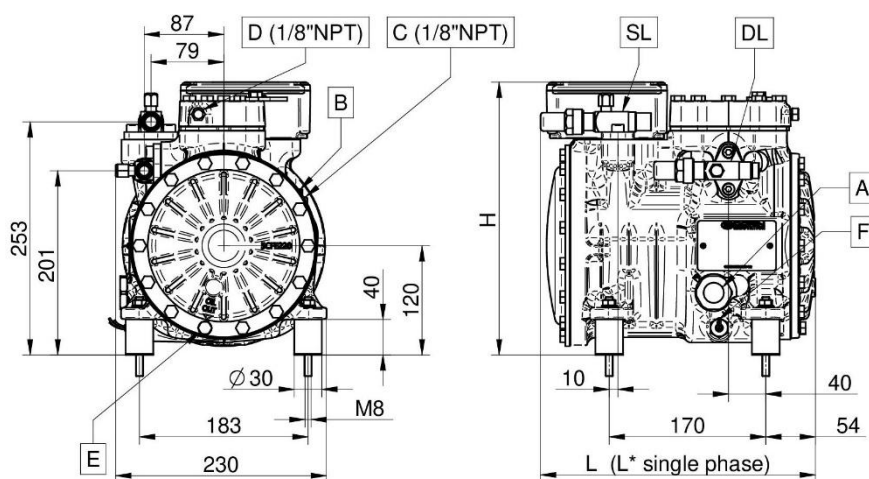
The application envelope changes depending on the compressor model and is available for every model and for every refrigerant in the DORIN web software
Il diagramma di applicazione cambia con il modello di compressore ed è disponibile per ogni modello e refrigerante nel web software di DORIN

A	«CC» MODELS ONLY / Solo modelli «CC»
B	«CC» AND «CS» MODELS / Modelli «CC» e «CS»
C	«CC» AND «CS» MODELS with head cooling fan or max superheating 20 K / Modelli «CC» e «CS» con ventilatore su testa o massimo surriscaldamento di 20 K
D	«CC» AND «CS» MODELS with head cooling fan and max superheating 30 K (head cooling fan and DTC if superheating is > 30 K) / Modelli «CC» e «CS» con ventilatore su testa e massimo surriscaldamento di 30 K (ventilatore e DTC se surriscaldamento > 30 K)
E	«CC» AND «CS» MODELS with head cooling fan and max superheating 20 K (head cooling fan and DTC if superheating is > 20 K) / Modelli «CC» e «CS» con ventilatore su testa e massimo surriscaldamento di 20 K (ventilatore e DTC se surriscaldamento > 20 K)

Technical Drawings

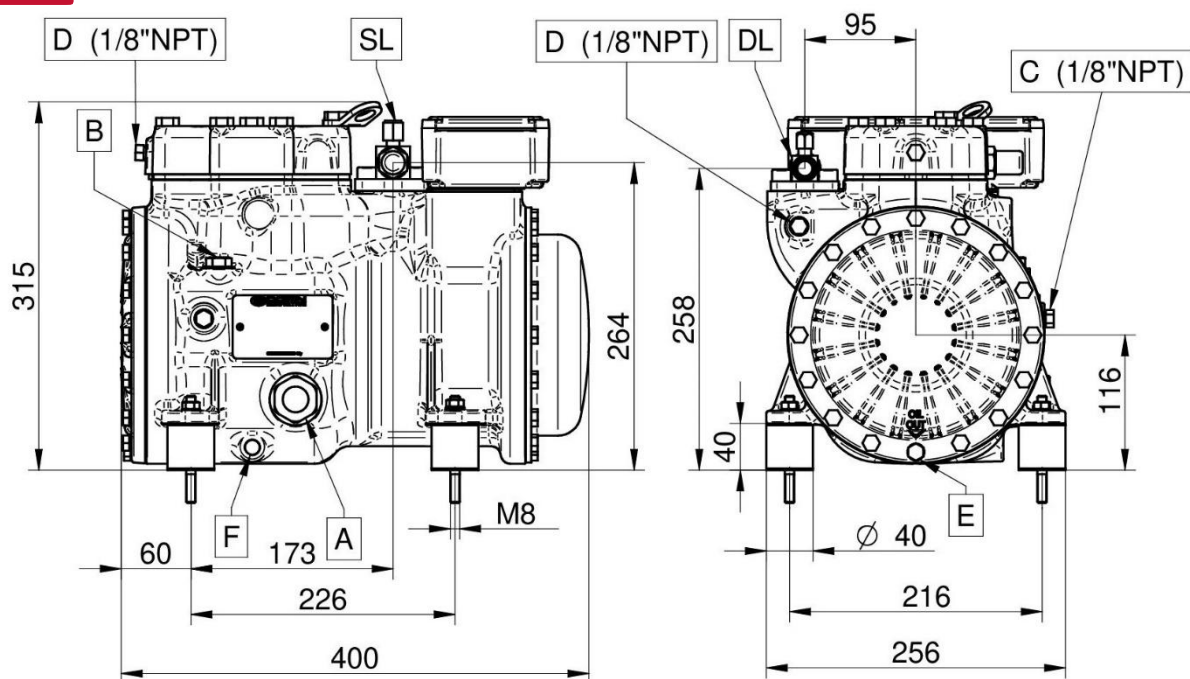
Disegni tecnici

H11



MODEL MODELLO	L	L*	H
	[mm]	[mm]	[mm]
H51CS	295	321	296
H80CC	295	321	296
H80CS	298	321	296
H101CC	305	328	296
H101CS	305	328	296
H151CC	305	343	296
H151CS	305	343	296
H181CC	321	354	296
H181CS	325	363	296
H201CC	325	363	296
H201CS	325	363	296
H221CC	325	363	296
H221CS	325	363	296
H251CC	340	363	296
H251CS	325	363	296
H281CC	340	363	296
H281SB	325	---	315
H281CS	340	---	315

H2



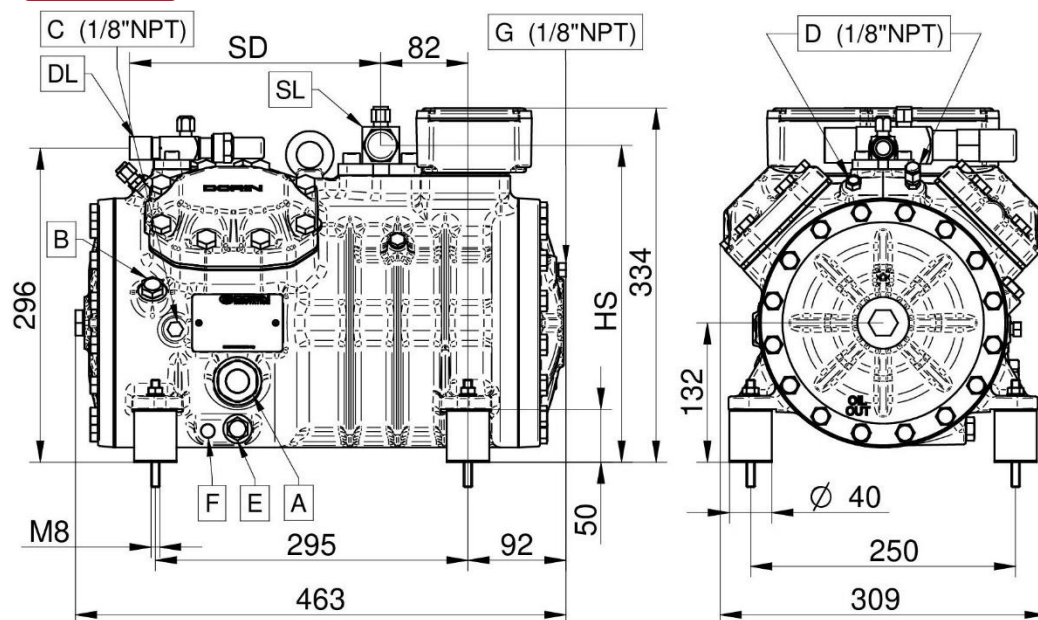
A – Oil sight glass - Spia olio
 B – Oil charge plug - Tappo carica olio
 C – Low pressure tap - Presa bassa pressione
 D – High pressure tap – Presa alta pressione

E – Oil drain plug - Tappo scarica olio
 F – Crankcase heater - Resistenza carter
 DL – Discharge service valve - Rubinetto compressione
 SL – Suction service valve – Rubinetto Aspirazione

Technical Drawings

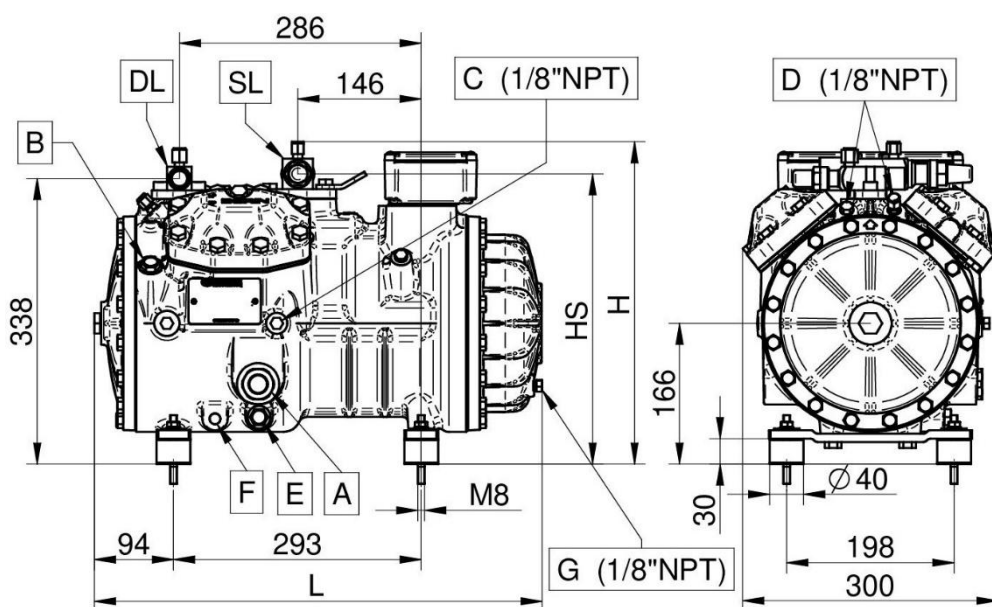
Disegni tecnici

H33



MODEL MODELLO	SD	HS
	[mm]	[mm]
H355CS	233	296
H405CC	233	296
H405CS	237	299
H505CC	237	299
H505CS	237	299
H705CC	237	299
H705CS	237	299
H755CC	237	299

H35



MODEL MODELLO	L	H	HS
	[mm]	[mm]	[mm]
H401CS	483	375	340
H451CC	483	375	340
H451CS	483	375	340
H551CC	483	375	340
H551CS	483	375	340
H701CC	483	375	340
H701CS	483	375	340
H751CC	483	375	340
H751CS	483	375	340
H1002CC	530	382	344
H801CS	483	375	340
H1003CC	530	382	344
H901CS	530	382	344
H1151CC	530	382	344

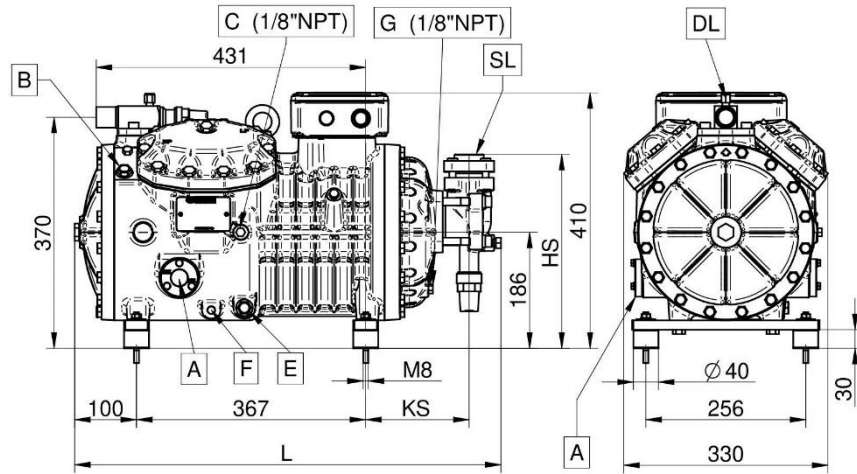
- A** – Oil sight glass - Spia olio
- B** – Oil charge plug - Tappo carica olio
- C** – Low pressure tap - Presa bassa pressione
- D** – High pressure tap – Presa alta pressione

- E** – Oil drain plug - Tappo scarica olio
- F** – Crankcase heater - Resistenza carter
- G** – Oil return - Tappo ritorno olio
- DL** – Discharge service valve - Rubinetto compressione
- SL** – Suction service valve – Rubinetto Aspirazione

Technical Drawings

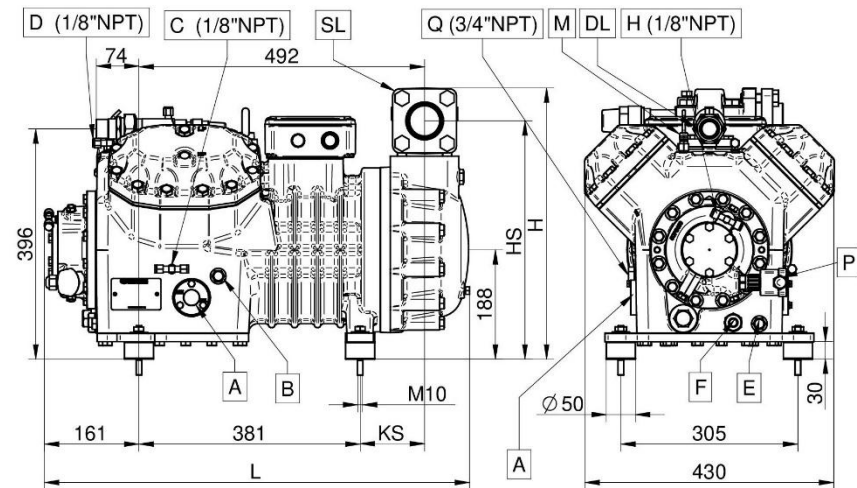
Disegni tecnici

H41



MODEL MODELLO	L	KS	HS
	[mm]	[mm]	[mm]
H851CS	650	140	257
H1201CC	650	140	257
H1001CS	650	140	257
H1501CC	680	166	410
H1501CS	650	140	257
H2001CC	680	166	410
H1601CS	680	166	410
H2201CC	680	166	410
H2201CS	680	166	410
H2401CC	680	166	410

H5



MODEL MODELLO	L	H	KS	HS
	[mm]	[mm]	[mm]	[mm]
H2000CS	710	443	86	392
H2500CC	732	466	111	410
H2500CS	712	466	91	410
H3000CC	732	466	111	410
H2700CS	712	466	91	410
H3200CC	732	410	111	466
H2900CS	712	466	91	410
H3400CC	732	410	111	466
H3001CS	712	466	91	410
H3501CC	732	466	111	410

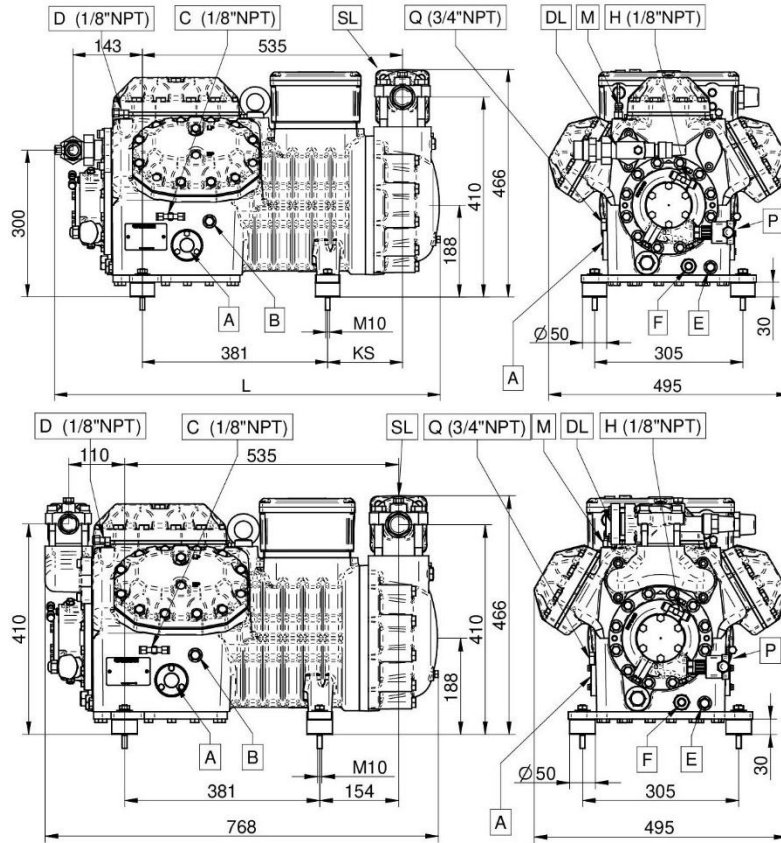
A – Oil sight glass - Spia olio
B – Oil charge plug - Tappo carica olio
C – Low pressure tap - Presa bassa pressione
D – High pressure tap - Presa alta pressione
E – Oil drain plug - Tappo scarica olio
F – Crankcase heater - Resistenza carter

G – Oil return - Tappo ritorno olio
H – Oil pressure tap - Presa alta pressione pompa
M – Maximum discharge temperature sensor – Sensore massima temperatura
P – Oil pressure switch – Pressostato differenziale olio
Q – Gas equalization – Equalizzazione gas
DL – Discharge service valve – Rubinetto Compressione
SL – Suction service valve – Rubinetto Aspirazione

Technical Drawings

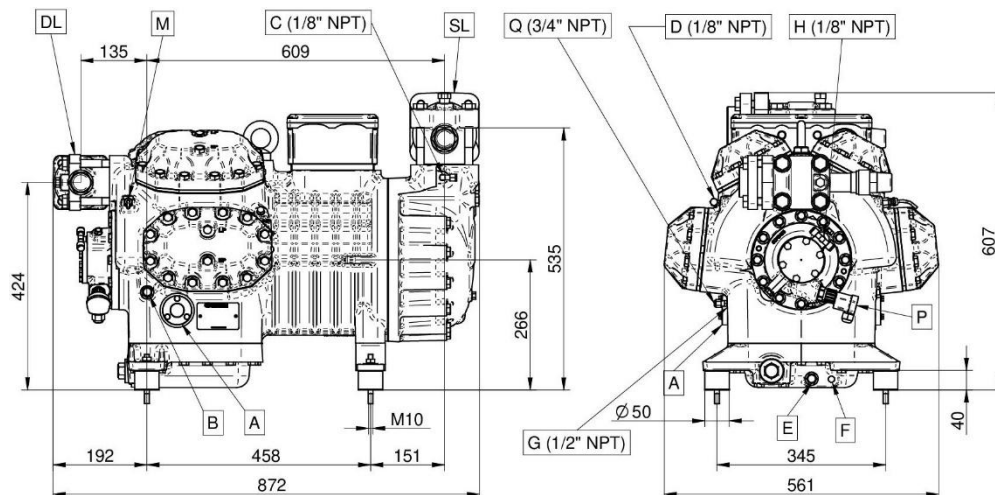
Disegni tecnici

H6



MODEL MODELLO	L	KS
	[mm]	[mm]
H3000CS	773	134
H3500CC	793	154
H3500CS	773	134
H4000CC	793	154

H7



- A** – Oil sight glass - Spia olio
- B** – Oil charge plug - Tappo carica olio
- C** – Low pressure tap - Presa bassa pressione
- D** – High pressure tap - Presa alta pressione
- E** – Oil drain plug - Tappo scarica olio
- F** – Crankcase heater - Resistenza carter
- G** – Oil return - Tappo ritorno olio
- H** – Oil pressure tap - Presa alta pressione pompa
- M** – Maximum discharge temperature sensor - Sensore massima temperatura
- P** – Oil pressure switch - Pressostato differenziale olio
- Q** – Gas equalization - Equalizzazione gas
- DL** – Discharge service valve - Rubinetto Compressione
- SL** – Suction service valve - Rubinetto Aspirazione

NOTES

Note

[illegible]



DORIN WEB SOFTWARE

Open the camera app on your device and point it at the QR code to scan it. Make sure that all the four corners of the QR code are in view. A pop-up notification will appear on your screen, tap the notifications to launch the code.

Aprire l'app della Fotocamera sul proprio dispositivo ed inquadrare il codice QR per scannerizzarlo. Tutti i quattro angoli del codice devono essere visibili. Una notifica pop-up apparirà sullo schermo, cliccare sulla notifica per eseguire il comando



OFFICINE MARIO DORIN S.p.A.
Via Aretina 388, 50061 Compiobbi - Florence, Italy
Tel. +39 055 62321 1 - Fax +39 055 62321 380

dorin@dorin.com
www.dorin.com