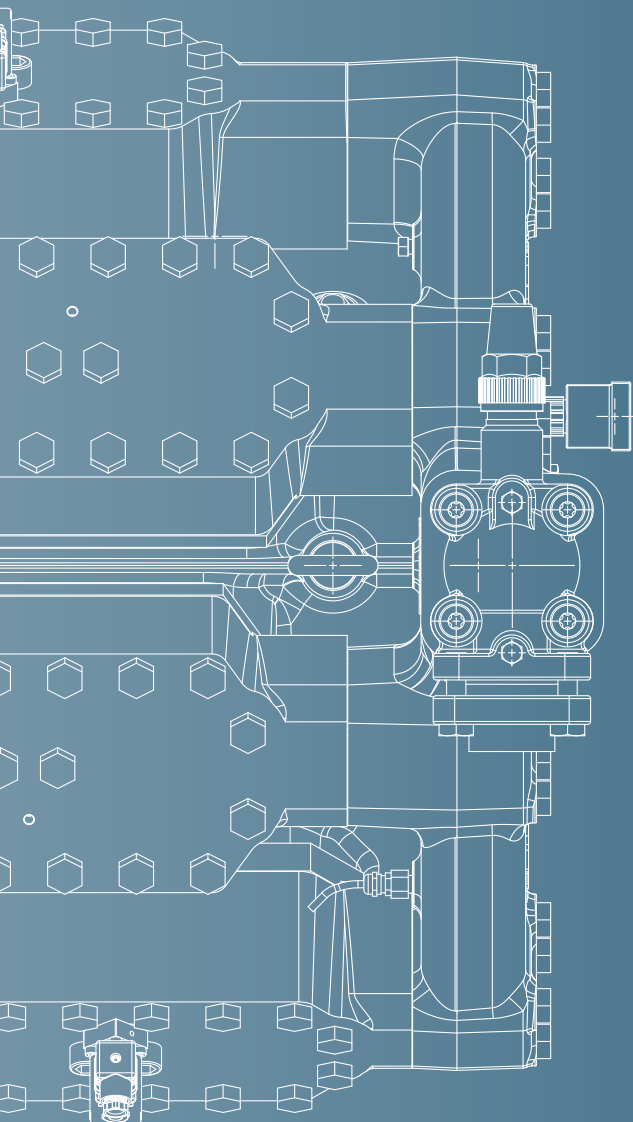




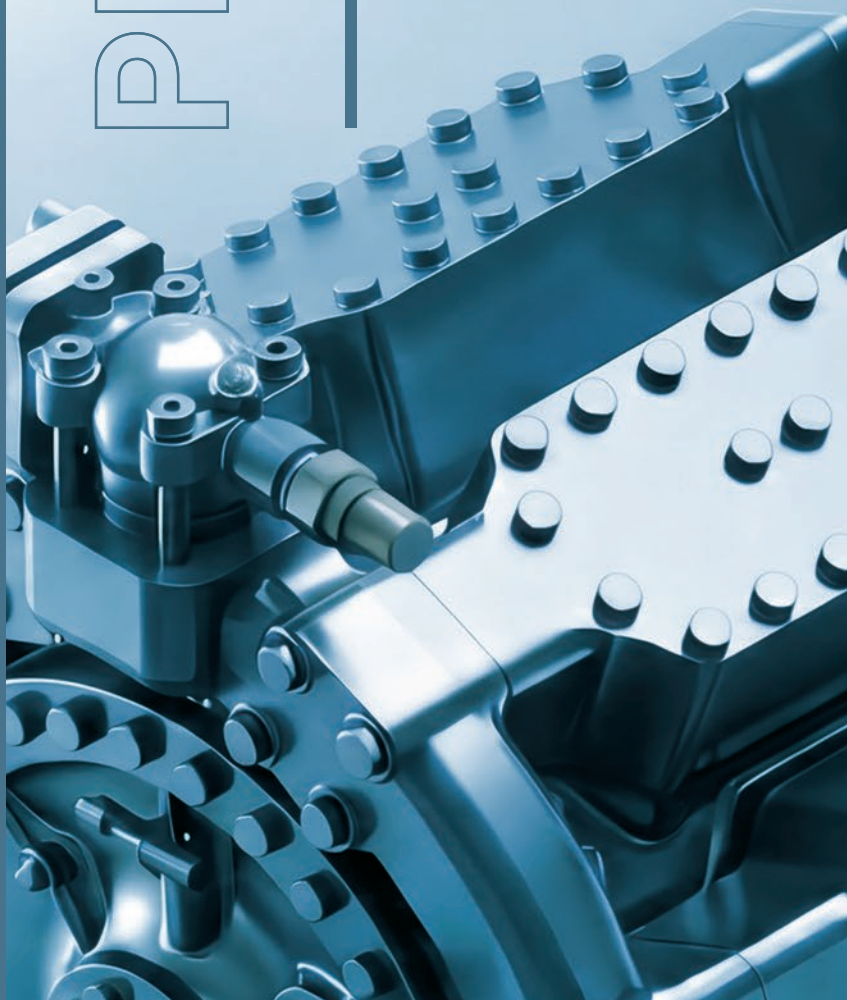
OFFICINE MARIO DORIN SINCE 1918

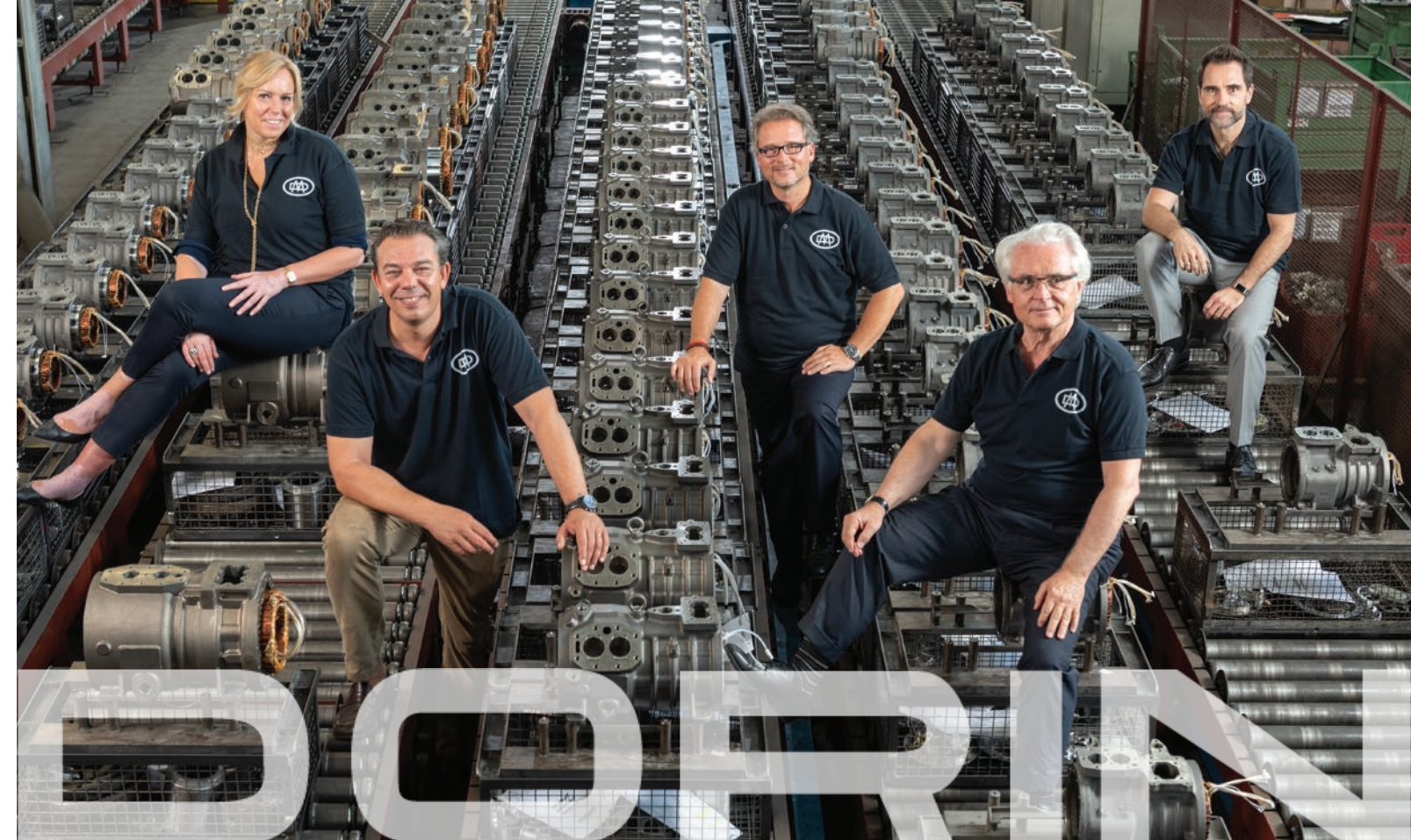
DORIN[®]
INNOVATION



INNOVATION
WITH A BEATING
HUMAN HEART
SINCE 1918

PRODUCT — HIGHLIGHTS





OFFICINE MARIO DORIN S.P.A.: Innovation Since 1918

DESIGN, EFFICIENCY, AND RELIABILITY define our compressors for **NATURAL** and **ECO-FRIENDLY REFRIGERANTS**, crafted with the best mechanical practices and cutting-edge technology. For over a century, we have delivered innovative refrigeration and HVAC&R solutions worldwide, ensuring outstanding performance across all industries.

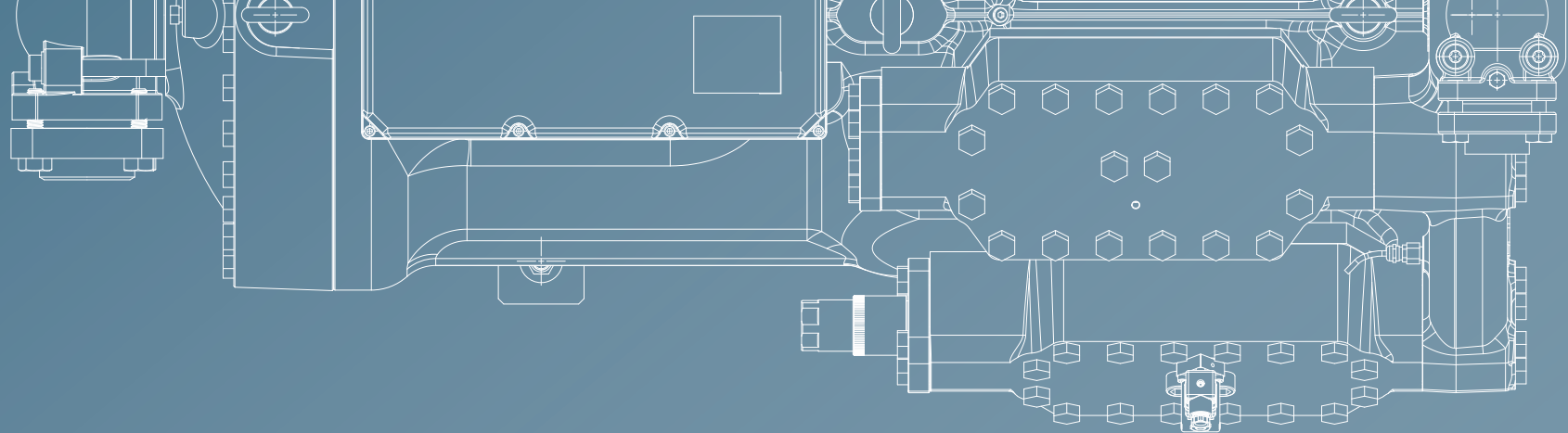


Dorin's CD Compressors provide advanced **CO₂** **REFRIGERATION SOLUTIONS** for demanding applications across **COMMERCIAL AND INDUSTRIAL ENVIRONMENTS**.

Backed by more than **108 YEARS OF HVAC&R INNOVATION**, we deliver clean, quiet, and reliable performance where efficiency, durability and reliability are essential

**FROM COMMERCIAL REFRIGERATION
TO LARGE-SCALE INDUSTRIAL APPLICATIONS.**

DORIN — a LEGEND in PROGRESS

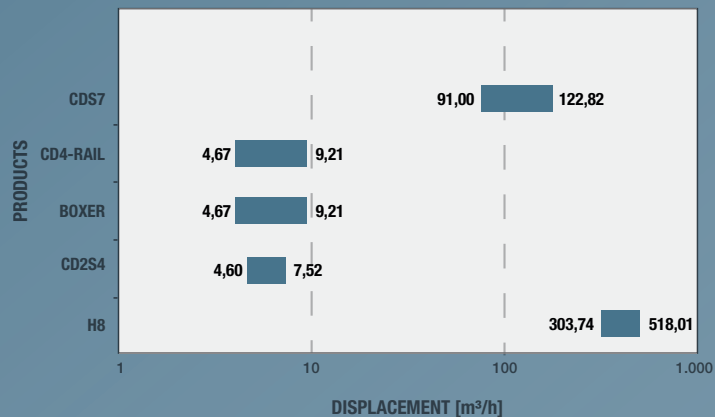


2021

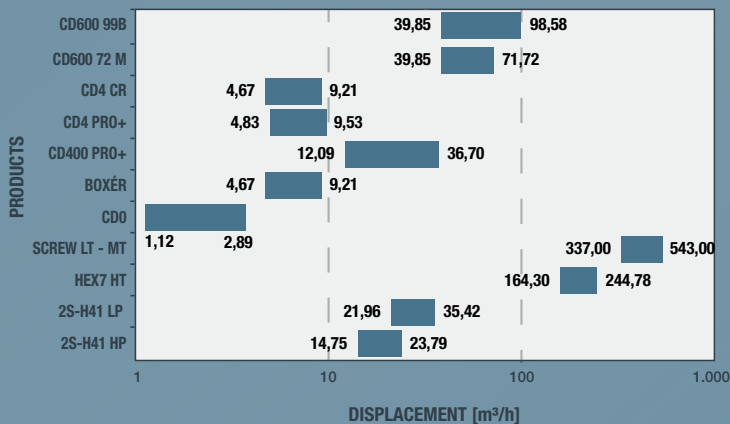
2022

2024/2025

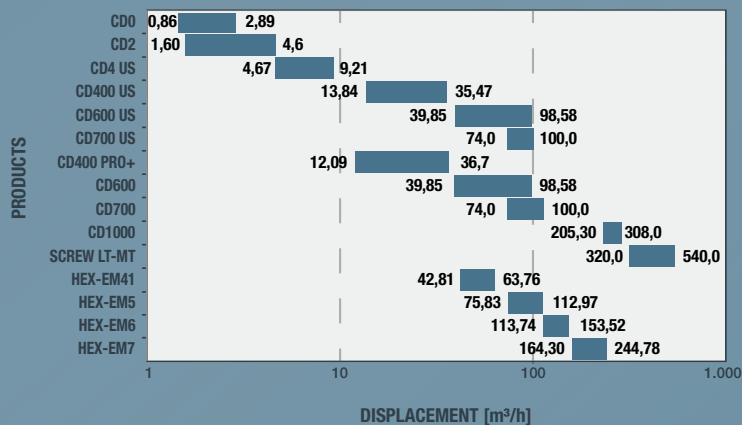
2026



DORIN celebrates **30 years**
in R&D of CO₂ products.



DORIN introduces two new CO₂
compressors ranges,
CD PRO and **CD PRO+**.

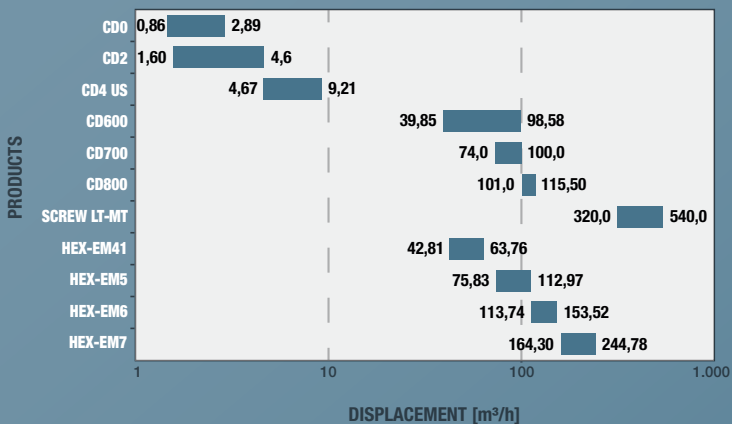


After the presentation in 2024 of
the new Range **HEX-EM** for **HC** high
temperature heat pump, the Range
CD1000 ideal for district heating and
large industrial projects (i.e. mining,
data centers) and the Range of **SCREW**
compressors, originated from the
top research of R&D department.

The CO₂ transcritical compressor
range was upgraded with an optional
**mechanical system for Unloaded
Start**, enhancing the **CD Series** for
refrigeration and air conditioning
applications. The CO₂ range was
further expanded with the compact,
highly efficient **CD2** compressors for
condensing units and the uniquely
low-height **BOXÉR** range, ideal for
transport applications.



CD6 1600-72H



The CO₂ transcritical compressor
range continued to evolve with the
introduction of the new
CD700 and CD800, further expanding
DORIN's portfolio of high-capacity
solutions for industrial
and commercial refrigeration
applications. Also presented at
AHR Expo 2026 in Las Vegas, USA,
the new generation of compressors
continued gaining international
recognition, with the **CD700 range**
**selected as a finalist for the Innovation
Awards**, highlighting DORIN's ongoing
commitment to innovation and
the development of advanced CO₂
transcritical technologies.



CD700 RANGE

CDO

THE MOST COMPACT CO₂ TRANSCRITICAL COMPRESSOR RANGE



Dorin is proud to introduce its new **CDO range**, the most **compact range** of CO₂ compressors, 2 cylinders, 12 models with a displacement up to 2,89 m³/h at 50 Hz and up to 3,46 m³/h at 60 Hz and electric motor power from 0,8 hp to 3,8 hp.



APPLICATIONS



RAILWAY
HVAC



BUS A/C



REFRIGERATED
TRANSPORT

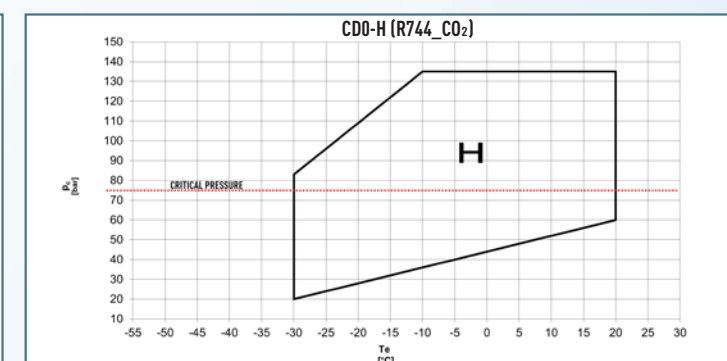
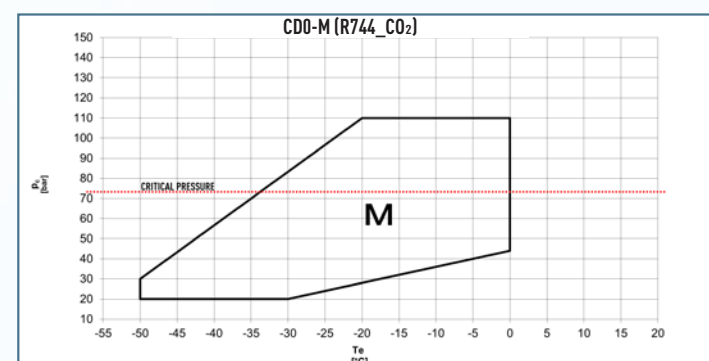


ICE CREAM
INDUSTRY

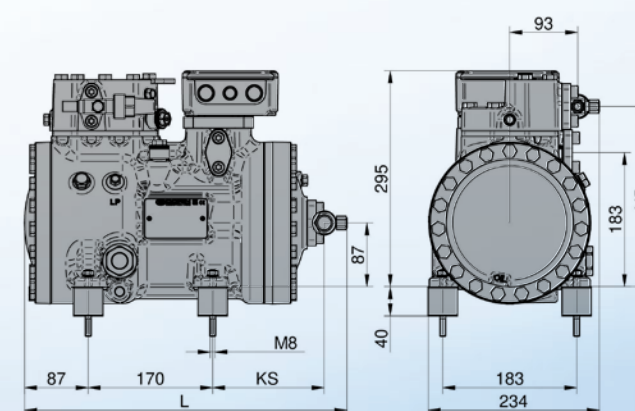
CDO

RANGE	MODEL	CYLINDERS	DISPLACEMENT [m ³ /h] @ 50 Hz	HP	RPM @ 50 Hz	SUCTION	DISCHARGE	NET WEIGHT [Kg]	OIL CHARGE [l]	MAX OPERATING CURRENT V / ph / Hz 380-420 / 3 / 50 440-480 / 3 / 60 Y [A]	LOCKED ROTOR CURRENT V / ph / Hz 380-420 / 3 / 50 440-480 / 3 / 60 Y [A]
						SOCKET WELDING [mm]	SOCKET WELDING [mm]				
CDO	CD0 08-0,8M	2	0,86	0,75	1450	10	10	53	0,8	2,4	11,1
	CD0 10-0,8H	2	0,86	1	1450	10	10	53	0,8	2,9	13,8
	CD0 15-1,1M	2	1,12	1,5	1450	10	10	55	0,8	3,4	15,5
	CD0 18-1,1H	2	1,12	1,8	1450	10	10	56	0,8	4,4	20,0
	CD0 18-1,5M	2	1,45	1,8	1450	10	10	56	0,8	6,0	24,5
	CD0 30-1,5H	2	1,45	3	1450	10	10	57	0,8	6,0	24,5
	CD0 30-1,9M	2	1,88	3	1450	16	10	57	0,8	7,3	32,0
	CD0 35-1,9H	2	1,88	3,5	1450	16	10	58	0,8	7,3	32,0
	CD0 35-2,4M	2	2,36	3,5	1450	16	10	58	0,8	7,5	34,0
	CD0 36-2,4H	2	2,36	3,6	1450	16	10	60	0,8	7,5	34,0
	CD0 36-3,0M	2	2,89	3,6	1450	16	10	60	0,8	9,4	43,5
	CD0 38-3,0H	2	2,89	3,8	1450	16	10	63	0,8	9,4	43,5

ENVELOPE



OVERALL DIMENSION



RANGE	MODEL	L [mm]	HD [mm]	KS [mm]
CDO	CD0 08-0,8M	423	243	136
	CD0 10-0,8H	423	243	136
	CD0 15-1,1M	423	243	136
	CD0 18-1,1H	423	243	136
	CD0 18-1,5M	423	246	136
	CD0 30-1,5H	423	246	136
	CD0 30-1,9M	423	246	136
	CD0 35-1,9H	423	246	153
	CD0 35-2,4M	441	246	153
	CD0 36-2,4H	441	246	153
	CD0 36-3,0M	441	246	153
	CD0 38-3,0H	441	246	153

CD2

EFFICIENT, COMPACT, AND VERSATILE
2-CYLINDER SOLUTION FOR STATIC &
TRANSPORT APPLICATIONS



Dorin, following its dynamic development process, presents the new **CD2 Range**, ideal for application in low temperature and high pressure, in the sector of refrigerated transport, transport air-conditioning. It's a 2-cylinder compressors range, made of 19 models, with displacement up to 9,25 m³/h and motor electric motor power up to 5,5 hp.



APPLICATIONS



RAILWAY
HVAC



BUS A/C



REFRIGERATED
TRANSPORT



CONDITIONING



CONDENSING
UNITS

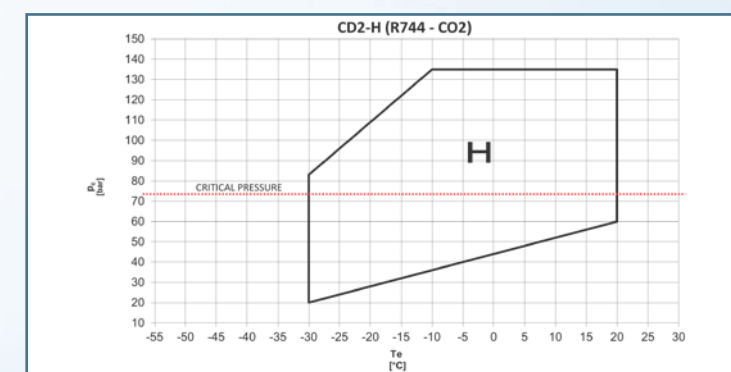
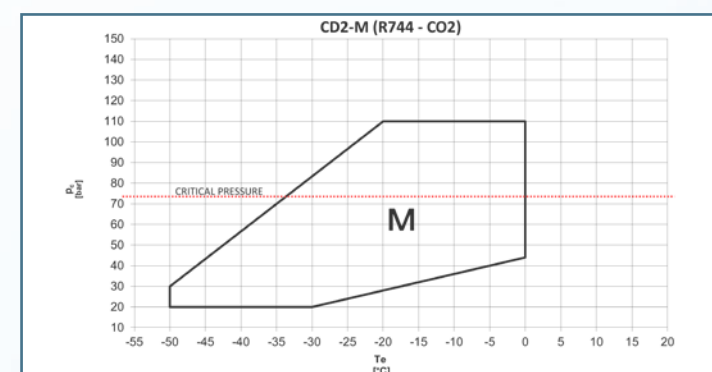


HEAT PUMP

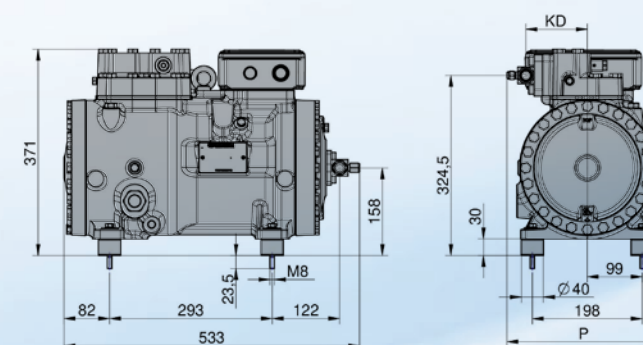
CD2

RANGE	MODEL	CYLINDERS	DISPLACEMENT [m³/h] @ 50 Hz	HP	RPM @ 50 Hz	SUCTION	DISCHARGE	NET WEIGHT [Kg]	OIL CHARGE [l]	MAX OPERATING CURRENT V / ph / Hz	LOCKED ROTOR CURRENT V / ph / Hz
						SOCKET WELDING [mm]	SOCKET WELDING [mm]			380-420 / 3 / 50 440-480 / 3 / 60 Y [A]	380-420 / 3 / 50 440-480 / 3 / 60 Y [A]
CD2	CD2 30-1,6H	2	1,60	3	1450	22	18	87	1,5	9,0	40,0
	CD2 30-2,3M	2	2,34	3	1450	22	18	91	1,5	9,5	40,0
	CD2 40-2,3H	2	2,34	4	1450	22	18	94	1,5	10,5	53,0
	CD2 40-3,2M	2	3,20	4	1450	22	18	94	1,5	10,5	53,0
	CD2 55-3,2H	2	3,20	5,5	1450	22	18	97	1,5	14,5	63,0
	CD2 40-3,6M	2	3,64	4	1450	22	18	93	1,5	10,5	53,0
	CD2 55-3,6H	2	3,64	5,5	1450	22	18	96	1,5	14,5	63,0
	CD2 55-4,6M	2	4,60	5,5	1450	22	18	96	1,5	14,5	63,0
	CD2 75-4,6H	2	4,60	7,5	1450	22	18	98	1,5	19,5	86,0
	CD2 20-1,8B	2	1,82	3	1450	16	12	87	1,5	9,0	40,0
	CD2 30-2,3B	2	2,34	3	1450	16	12	91	1,5	9,0	40,0
	CD2 20-2,7B	2	2,66	3	1450	16	12	91	1,5	9,0	40,0
	CD2 30-3,2B	2	3,20	3	1450	16	12	93	1,5	9,0	40,0
	CD2 30-3,6B	2	3,64	3	1450	16	12	93	1,5	9,0	40,0
	CD2 30-4,6B	2	4,60	3	1450	16	12	93	1,5	9,0	40,0
	CD2 30-5,1B	2	5,13	3	1450	16	12	94	1,5	9,0	40,0
	CD2 40-6,3B	2	6,27	4	1450	16	12	95	1,5	10,5	53,0
	CD2 40-7,5B	2	7,52	4	1450	22	16	96	1,5	10,5	53,0
	CD2 55-9,2B	2	9,25	5,5	1450	22	16	97	1,5	14,5	63,0

ENVELOPE



OVERALL DIMENSION



RANGE	MODEL	KD [mm]	P [mm]
CD2	CD2 30-1,6H	133	280
	CD2 30-2,3M	133	280
	CD2 40-2,3H	133	280
	CD2 40-3,2M	133	280
	CD2 55-3,2H	133	280
	CD2 40-3,6M	133	280
	CD2 55-3,6H	133	280
	CD2 55-4,6M	133	280
	CD2 75-4,6H	133	280
	CD2 30-1,8B	101	267,5
	CD2 30-2,3B	101	267,5
	CD2 30-2,7B	101	267,5
	CD2 30-3,2B	101	267,5
	CD2 30-3,6B	101	267,5
	CD2 30-4,6B	101	267,5
	CD2 30-5,1B	101	267,5
	CD2 40-6,3B	101	267,5
	CD2 40-7,5B	101	267,5
	CD2 55-9,2B	101	267,5

CD4

UPGRADE OF CO₂ TRANSCRITICAL COMPRESSORS



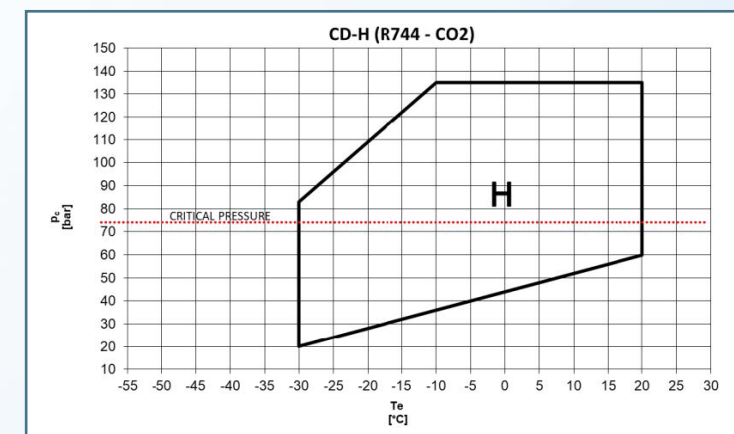
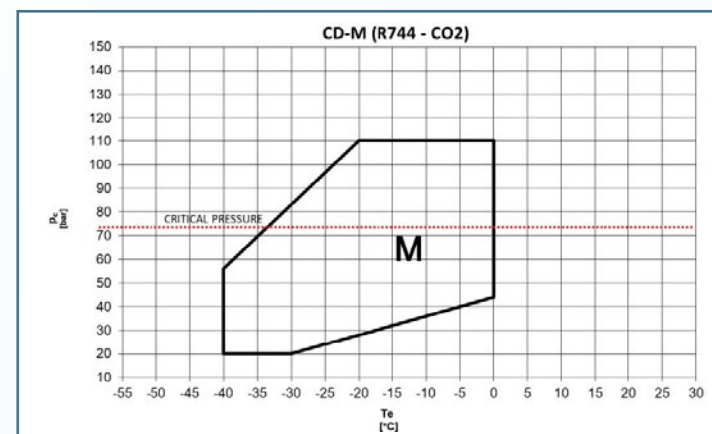
Dorin designed a perfect solution to **upgrade** the well known and globally appreciated **CO₂ compressors of the CD Series** with an optional mechanical system to grant a **perfect Unloaded Start** in refrigeration and air conditioning applications.



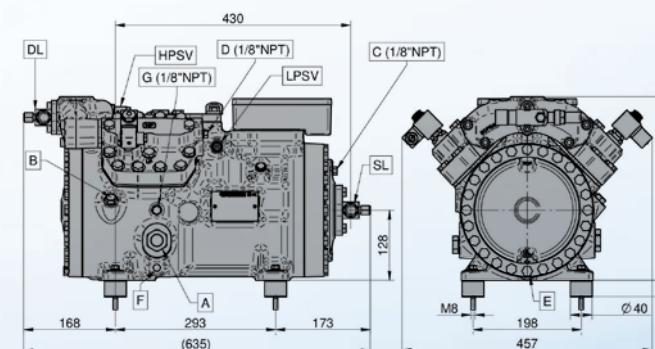
CD4

RANGE	MODEL	CYLINDERS	DISPL. [m3/h] @ 50 Hz	HP	SUCTION	DISCHARGE	NET WEIGHT [Kg]	OIL CHARGE [l]	MAX OPERATING CURRENT V / ph / Hz 380-420 / 3 / 50 440-480 / 3 / 60 Y [A]	LOCKED ROTOR CURRENT V / ph / Hz 380-420 / 3 / 50 440-480 / 3 / 60 Y [A]
					SL [mm]	DL [mm]				
CD4	CD4 55-4,7M	4	4,67	5,5	22	18	117	1,7	14,5	63
	CD4 75-4,7H	4	4,67	7,5	22	18	117	1,7	19,5	86
	CD4 75-6,4M	4	6,40	7,5	22	18	117	1,7	19,5	86
	CD4 90-6,4H	4	6,40	9	22	18	117	1,7	23	92
	CD4 75-7,3M	4	7,28	7,5	22	18	120	1,7	19,5	86
	CD4 90-7,3H	4	7,28	9	22	18	120	1,7	23	92
	CD4 90-9,2M	4	9,21	9	22	18	119	1,7	23	92
	CD4 120-9,2H	4	9,21	12	22	18	121	1,7	24	109
	CD4 55-9,2B	4	9,21	5,5	22	18	105	1,7	14,5	63
	CD4 55-10B	4	10,26	5,5	22	18	105	1,7	14,5	63
	CD4 75-12B	4	12,54	7,5	28	18	106	1,7	19,5	86
	CD4 90-15B	4	15,04	9	28	18	109	1,7	23	92
	CD4 120-18B	4	18,51	12	28	18	110	1,7	24	109

ENVELOPE



OVERALL DIMENSION



APPLICATIONS



COMMERCIAL
REFRIGERATION



INDUSTRIAL
REFRIGERATION



LOGISTIC
WAREHOUSE



REFRIGERATION
WAREHOUSE



INDUSTRIAL
HEAT PUMP



HEAT PUMP



RAILWAY
A/C



REFRIGERATION
TRUCK &
TRAILER



WINTER
SPORTS

CD600

THE MILESTONE RANGE OF CO₂
TRANSCRITICAL COMPRESSORS FOR
INDUSTRIAL APPLICATIONS



CD600 is the most used range of CO₂ transcritical compressors for industrial applications: this compressors lineup allows to efficiently and cost effectively match refrigeration capacity up to 5 MW. Dorin has renewed its **CD600 range** with several new transcritical models with **displacements from 64,49 to 98,58 m³/h** and **electric motor power from 120 to 160 hp**. The **CD600 1600-72H** has been awarded the **ATMO Innovation Award North America 2024**, recognized for its outstanding performance and reliability, earning widespread appreciation from end users across America.

APPLICATIONS



COMMERCIAL
REFRIGERATION



INDUSTRIAL
REFRIGERATION



LOGISTIC
WAREHOUSE



REFRIGERATION
WAREHOUSE



WINTER
SPORTS

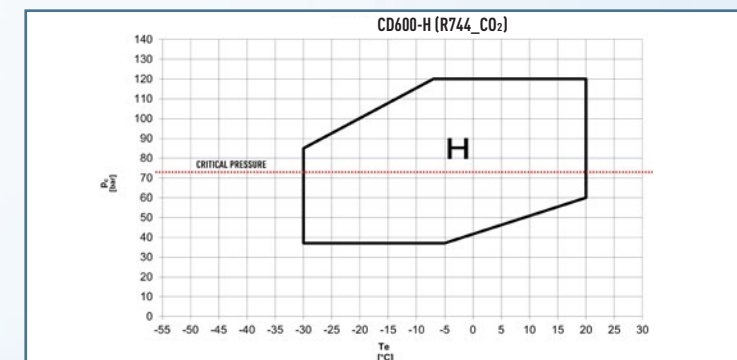
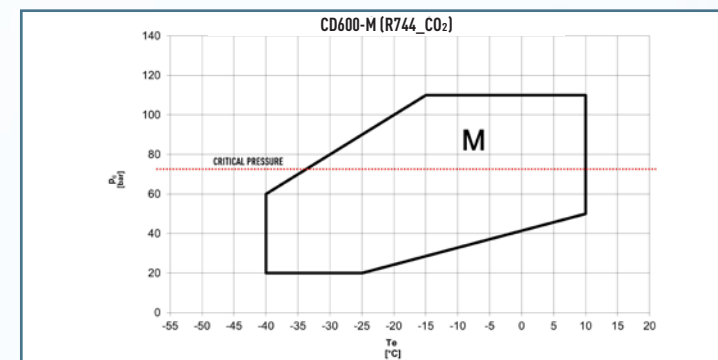


INDUSTRIAL
HEAT PUMP

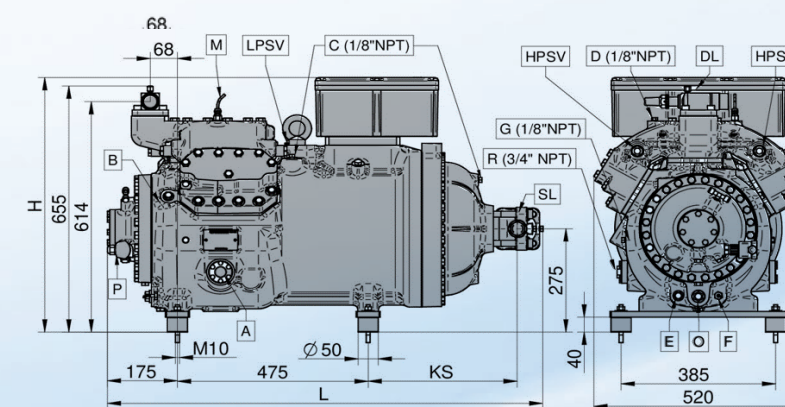
CD600

RANGE	MODEL	CYLINDERS	DISPL. [m ³ /h] @ 50 Hz	HP	SUCTION	DISCHARGE	NET WEIGHT [Kg]	OIL CHARGE [l]	MAX OPERATING CURRENT V / ph / Hz	LOCKED ROTOR CURRENT V / ph / Hz
					SL [mm]	DL [mm]			380-420 / 3 / 50 440-480 / 3 / 60 PWS [A]	380-420 / 3 / 50 440-480 / 3 / 60 PWS [A]
CD600	CD6 501-40B	6	39,85	50	42s	28s	415	4,8	90	367
	CD6 601-40M	6	39,85	60	42s	28s	425	4,8	105	455
	CD6 701-40H	6	39,85	70	42s	28s	435	4,8	120	544
	CD6 501-45B	6	45,34	50	42s	28s	412	4,8	90	367
	CD6 701-45M	6	45,34	70	42s	28s	439	4,8	120	544
	CD6 801-45H	6	45,34	80	42s	28s	445	4,8	148	584
	CD6 501-53B	6	53,21	50	42s	28s	413	4,8	90	367
	CD6 801-53M	6	53,21	80	42s	28s	445	4,8	148	584
	CD6 901-53H	6	53,21	90	42s	28s	452	4,8	170	660
	CD6 1200-58H	6	57,65	120	42s	28s	502	4,8	185	880
	CD6 601-59B	6	59,53	60	42s	28s	428	4,8	105	455
	CD6 901-59M	6	59,53	90	42s	28s	452	4,8	170	660
	CD6 701-65B	6	64,49	70	54s	35s	439	4,8	120	544
	CD6 1200-65M	6	64,49	120	54s	35s	502	4,8	185	880
	CD6 1400-65H	6	64,49	140	54s	35s	530	4,8	210	1080
	CD6 1400-72M	6	71,72	140	54s	35s	530	4,8	210	1080
	CD6 1600-72H	6	71,72	160	54s	35s	562	4,8	230	1180
	CD6 801-82B	6	81,95	80	54s	35s	445	4,8	148	584
	CD6 901-99B	6	98,58	90	54s	42s	452	4,8	170	660

ENVELOPE



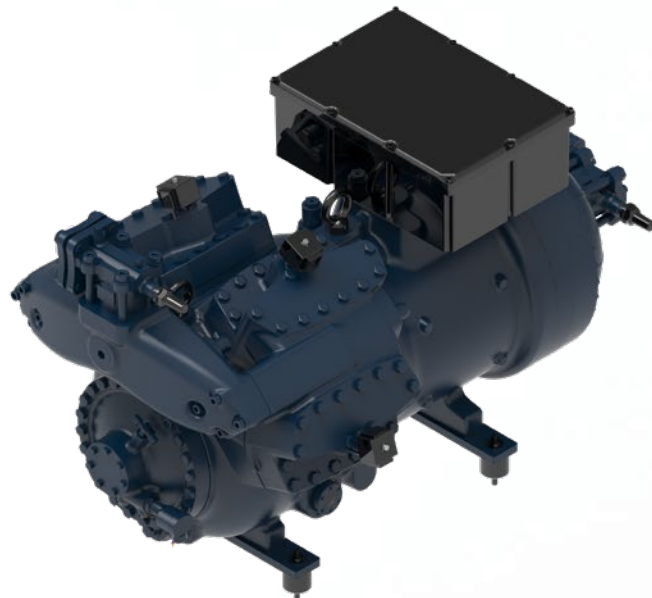
OVERALL DIMENSION



RANGE	MODEL	L [mm]	H [mm]	KS [mm]
CD600	CD6 601-40M	1056	647	354
	CD6 701-40H	1056	647	354
	CD6 701-45M	1056	647	354
	CD6 801-45H	1056	647	354
	CD6 801-53M	1056	647	354
	CD6 901-53H	1056	647	354
	CD6 1200-58H	1088	678	371
	CD6 901-59M	1056	647	354
	CD6 1200-65M	1088	678	371
	CD6 1400-65H	1088	678	371
	CD6 1400-72M	1088	678	371
	CD6 1600-72H	1088	678	371

CD700

THE FLAGSHIP MODEL OF COMPRESSORS
FOR CO₂ TRANS-CRITICAL APPLICATION



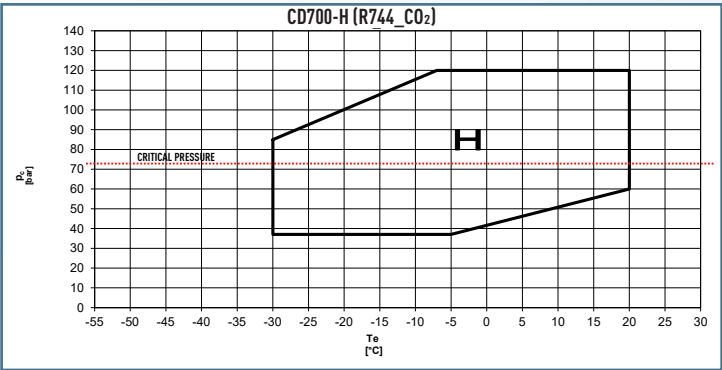
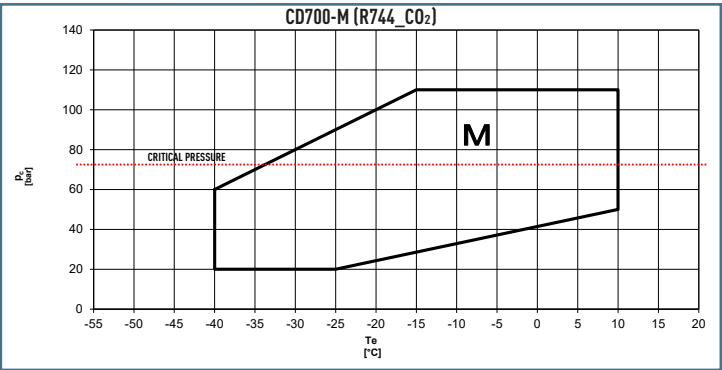
With CO₂ taking the lead in industrial applications, **DORIN** further raises the bar, introducing a brand new range of 8 cylinders CO₂ transcritical compressors, with **motor** powers up to 180 hp and **displacement up to 100 m³/h**.



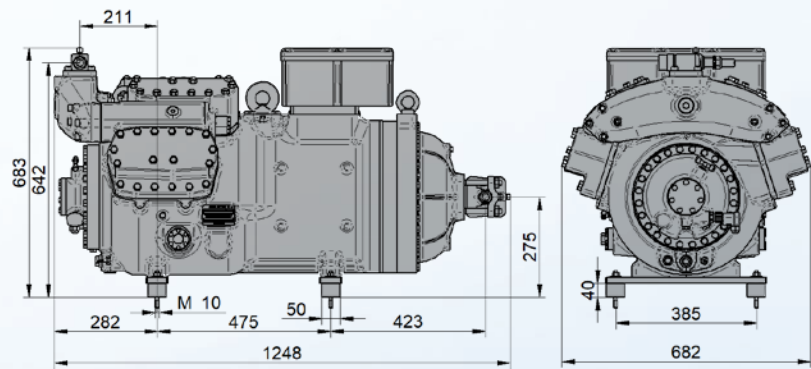
CD700

RANGE	MODEL	CYLINDERS	DISPL. [m3/h] @ 50 Hz	HP	SUCTION	DISCHARGE	NET WEIGHT [Kg]	OIL CHARGE [l]	MAX OPERATING CURRENT	LOCKED ROTOR CURRENT
					SL [mm]	DL [mm]			V / ph / Hz 380-420 / 3 / 50 440-480 / 3 / 60 PWS [A]	V / ph / Hz 380-420 / 3 / 50 440-480 / 3 / 60 PWS [A]
CD700	CD7-1200-74M	8	73,91	120	54s	42s	596	7	185	880
	CD7-1400-74H	8	73,91	140	54s	42s	616	7	210	1080
	CD7-1400-80M	8	79,82	140	54s	42s	616	7	210	1080
	CD7-1600-80H	8	79,82	160	54s	42s	640	7	230	1180
	CD7-1600-89M	8	89,29	160	54s	42s	640	7	230	1180
	CD7-1800-89H	8	89,29	180	54s	42s	670	7	270	1310
	CD7-1600-100M	8	99,30	160	54s	42s	640	7	230	1180
	CD7-1800-100H	8	99,30	180	54s	42s	670	7	270	1310

ENVELOPE



OVERALL DIMENSION



APPLICATIONS



CD800

THE NEXT GENERATION OF
COMPRESSORS FOR CO₂
TRANSCRITICAL APPLICATIONS



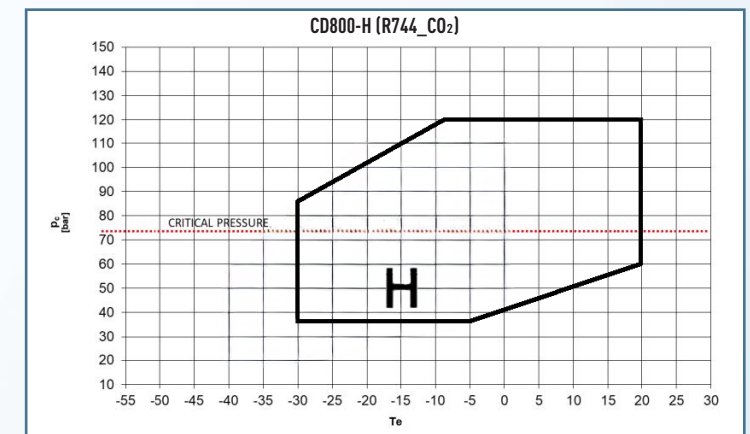
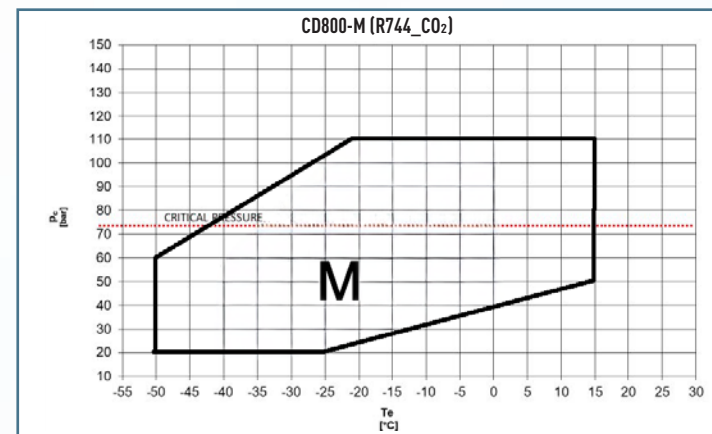
With CO₂ continuing to shape the future of industrial refrigeration, DORIN expands its transcritical portfolio with the new **CD800**.
A larger compressor designed to deliver **increased capacity and higher displacement**, with **motor powers up to 220 hp and displacement up to 115,51 m³/h** taking CO₂ transcritical compression to a new level.



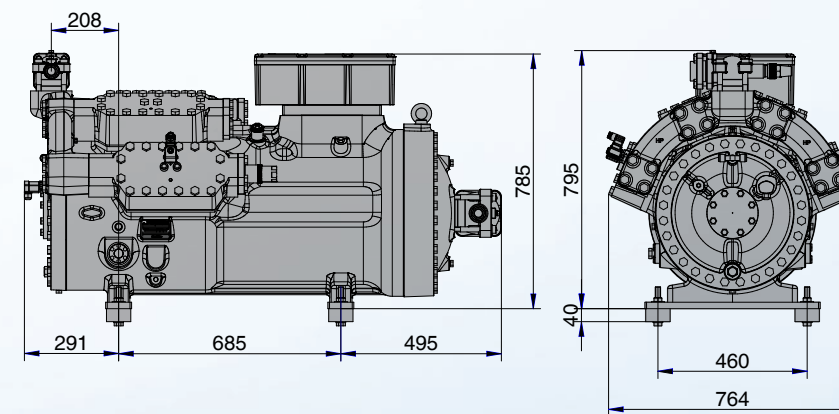
CD800

RANGE	MODEL	CYLINDERS	DISPL. [m ³ /h] @ 50 Hz	HP	RPM @ 50 Hz	SUCTION	DISCHARGE	NET WEIGHT [Kg]	OIL CHARGE [l]	MAX OPERATING CURRENT V / ph / Hz	LOCKED ROTOR CURRENT V / ph / Hz
						SL [mm]	DL [mm]			380-420 / 3 / 50 440-480 / 3 / 60 PWS [A]	380-420 / 3 / 50 440-480 / 3 / 60 PWS [A]
CD800	CD8-1800-101M	8	101,09	180	1450	54s	42s	-	9,3	270	1310
	CD8-2200-101H	8	101,09	220	1450	54s	42s	-	9,3	350	1700
	CD8-1800-116H	8	115,51	180	1450	54s	42s	-	9,3	270	1310
	CD8-2200-116H	8	115,51	220	1450	54s	42s	-	9,3	350	1700

ENVELOPE



OVERALL DIMENSION



APPLICATIONS



REFRIGERATION
WAREHOUSE



WINTER SPORTS
VENUES



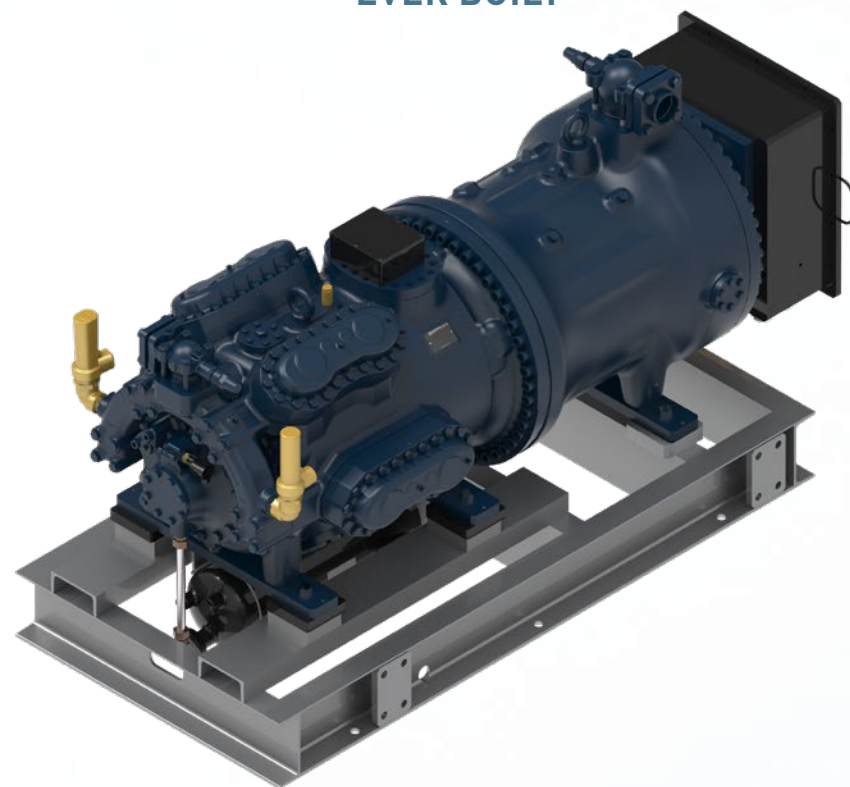
INDUSTRIAL
HEAT PUMPS



INDUSTRIAL
REFRIGERATION

CD1000

THE LARGEST **CO₂** TRANSCRITICAL
RECIPROCATING COMPRESSOR
EVER BUILT



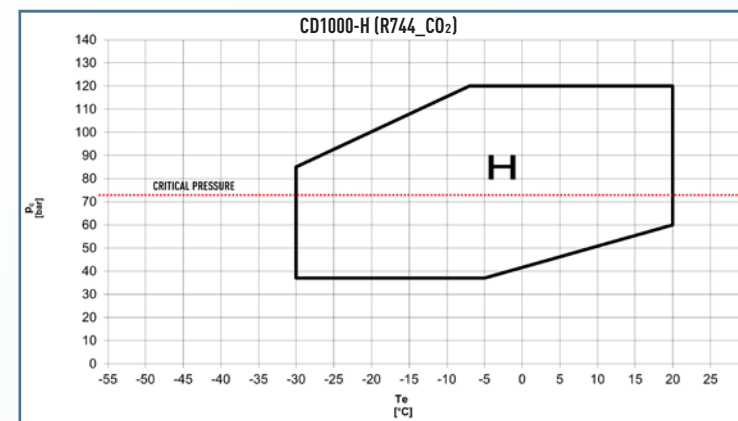
Dorin proudly presents **the biggest CO₂ transcritical compressor in its class**, engineered for unparalleled performance. Featuring 8 cylinders, these industry-leading compressors boast a displacement range from 205,30 m³/h to 308 m³/h, driven by electric motors ranging from 500 hp to an outstanding 750 hp. **This is power redefined, setting a new standard in CO₂ refrigeration and district water heat pumps.**



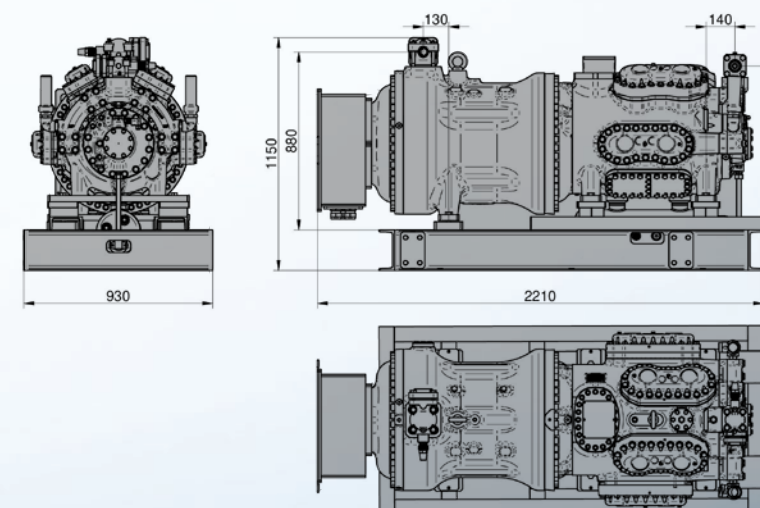
CD1000

RANGE	MODEL	CYLINDERS	DISPLACEMENT [m ³ /h] @ 50 Hz	HP
CD1000	CD10 5000-205H	8	205,30	500
	CD10 6000-251H	8	243,20	600
	CD10 7500-308H	8	308,00	750

ENVELOPE



OVERALL DIMENSION



APPLICATIONS



INDUSTRIAL
REFRIGERATION



DISTRICT WATER
HEATING

BOXÉR

THE IDEAL SOLUTION FOR TRANSPORT APPLICATIONS WITH CONSTRAINED HEIGHTS

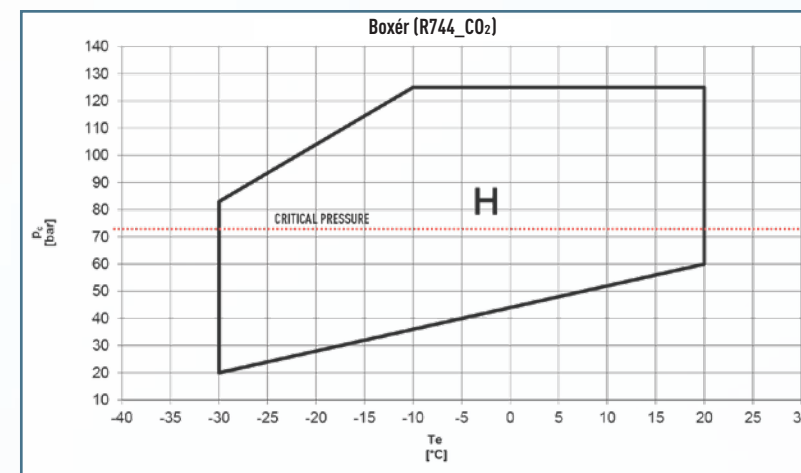


The **Boxér** sets a new standard in transport refrigeration. Exceptionally compact, lightweight, and globally unique, it is the ideal choice for transport applications where performance and efficiency are critical. Developed by Dorin, the Boxér range meets both heating and cooling requirements, delivering reliable, high-performance operation in the most demanding environments. With its 4-cylinder design, displacement ranging from 4,67 m³/h to 9,21 m³/h, and electric motor power from 7,5 to 12 hp, the Boxér combines **power and compactness** to deliver top performance in the most demanding transport HVAC applications.

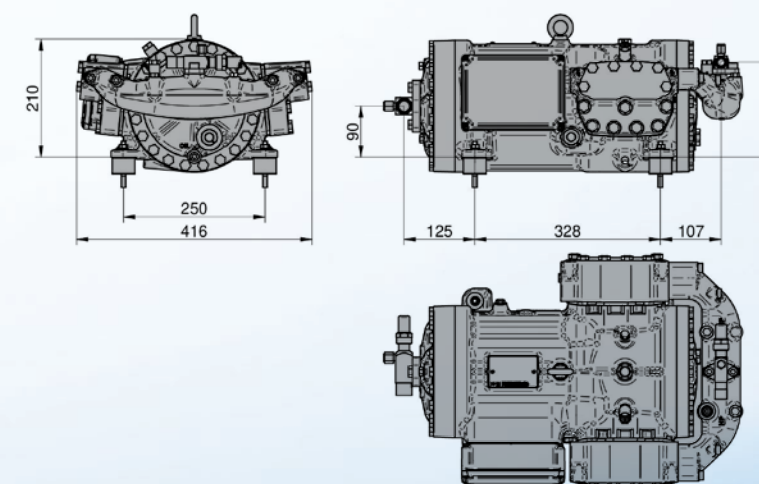
BOXÉR

RANGE	MODEL	CYLINDERS	DISPLACEMENT [m³/h] @ 50 Hz	HP	SUCTION	DISCHARGE	NET WEIGHT [Kg]	OIL CHARGE [l]	MAX OPERATING CURRENT V / ph / Hz		LOCKED ROTOR CURRENT V / ph / Hz	
					SOCKET WELDING [mm]	SOCKET WELDING [mm]			220-240 / 3 / 50 265-290 / 3 / 60 Δ [A]	380-420 / 3 / 50 440-480 / 3 / 60 Y [A]	220-240 / 3 / 50 265-290 / 3 / 60 Δ [A]	380-420 / 3 / 50 440-480 / 3 / 60 Y [A]
BOXÉR	BX 75-4,7H	4	4,67	7,5	22	16	104	1,3	34,0	19,5	149,0	86,0
	BX 90-6,4H	4	6,40	9	22	16	106	1,3	40,0	23,0	159,0	92,0
	BX 90-7,3H	4	7,28	9	22	16	106	1,3	40,0	23,0	159,0	92,0
	BX 120-9,2H	4	9,21	12	22	16	107	1,3	41,5	24,0	189,0	109,0

ENVELOPE



OVERALL DIMENSION



APPLICATIONS



RAILWAY HVAC



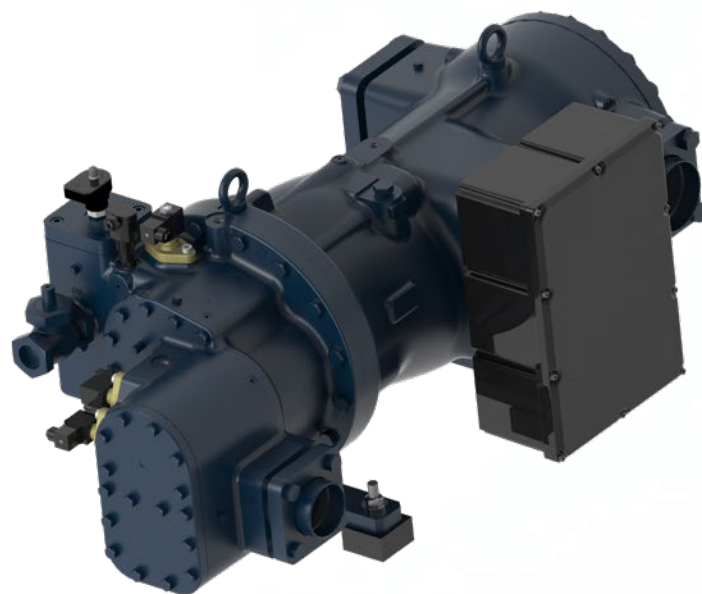
BUS A/C



REFRIGERATED
TRASPORT

SCREW

THE NEWEST SCREW COMPRESSOR RANGE



Dorin introduces its first series of semi-hermetic refrigeration **Screw** compressors designed for medium and low-temperature applications, compatible with **modern synthetic HFC-HFO refrigerants such as R448A, R449A, R452A, R407A, R407F, and, where permitted, R404A and R507**. These compressors offer displacements ranging from 320 m³/h to 540 m³/h and feature electric motors between 90 hp and 180 hp. Clients can benefit from over 100 years of Dorin innovation and expertise, which is embedded in the heavy-duty industrial DNA of these compressors.

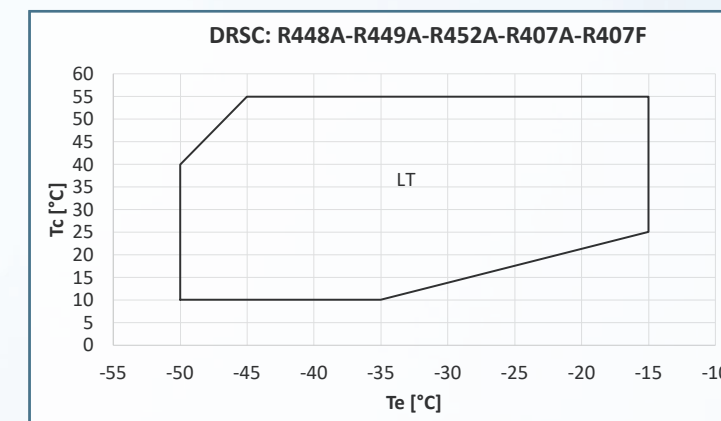
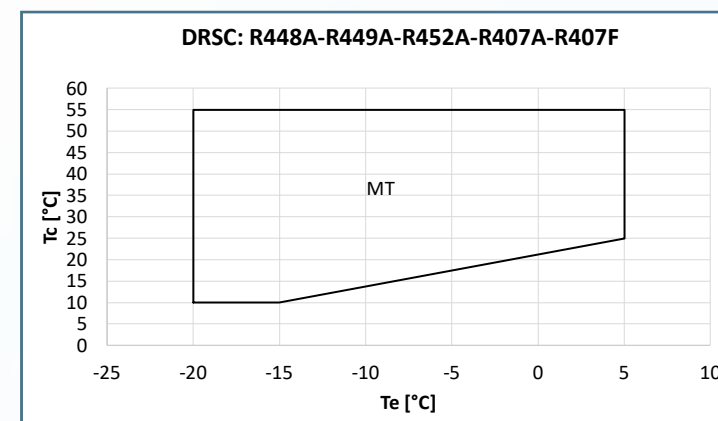
The units deliver extremely efficient performance, thanks to the **innovative 4+5 screw design**, and ensure **minimal oil carryover**. The compressors are user-friendly and easy to control, with a **specialized post-sale service** focusing on the needs of end-users. They are also compatible with the latest refrigerants and offer flexible application ranges. Their optimized design results in **very low noise levels**, providing smooth operation and an excellent user experience. **Precision engineering guarantees frictionless performance and long-term reliability.**

SCREW

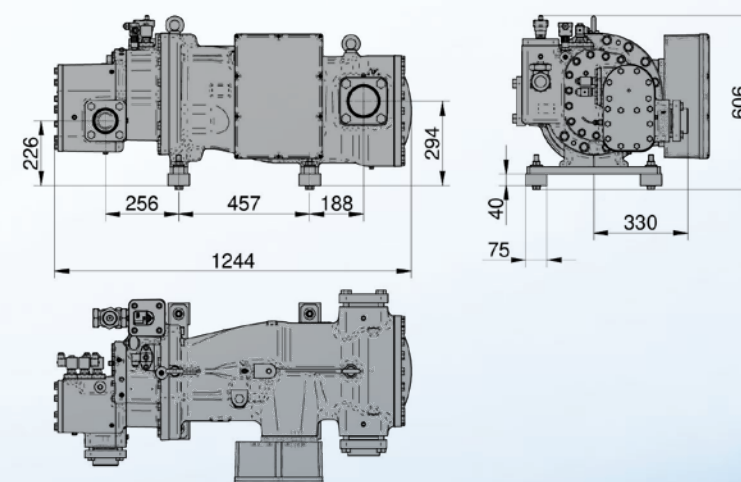
RANGE	MODEL	DISPL. [m ³ /h] @ 50 Hz	HP
SCREW MT	DRSC-320-110M	320	110
	DRSC-365-130M	365	130
	DRSC-420-140M	420	140
	DRSC-480-160M	480	160
	DRSC-540-180M	540	180

RANGE	MODEL	DISPL. [m ³ /h] @ 50 Hz	HP
SCREW LT	DRSC-320-90B	320	90
	DRSC-365-110B	365	110
	DRSC-420-130B	420	130
	DRSC-480-140B	480	140
	DRSC-540-160B	540	160

ENVELOPE



OVERALL DIMENSION



APPLICATIONS



CONDITIONING



INDUSTRIAL REFRIGERATION



REFRIGERATION WAREHOUSE



BLAST FREEZER



FREEZING TUNNEL



FOOD PROCESSING

HEX EM

THE FIRST RANGE FOR HIGH
TEMPERATURE
HYDROCARBONS HEAT PUMPS

HEX EM41



HEX EM41 with four cylinders, displacement from 43 to 64 m³/h and electric motor power from 15 to 25 hp.

HEX EM5



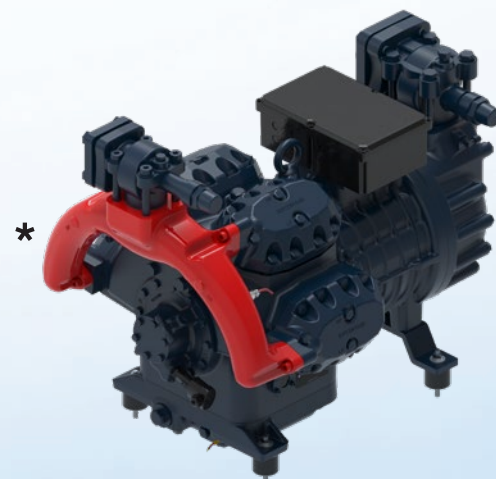
HEX EM5 with four cylinders, displacement from 76 to 102 m³/h and electric motor power from 30 to 35 hp.

HEX EM6



HEX EM6 with six cylinders, displacement from 114 to 154 m³/h and electric motor power from 40 to 50 hp.

HEX EM7



HEX EM7 with eight cylinders, displacement from 164 to 245 m³/h and electric motor power from 70 to 80 hp.

The first cutting-edge high-temperature compressor, the perfect solution for a Sustainable Future. Thanks to its innovative compression technology, Dorin's new range of compressors for heat pumps high temperature **HEX EM**, utilizes butane, isobutane, and propane to achieve exceptional **condensation temperatures of up to 140°C** and **evaporation temperatures up to 65°C**. Discover the best of Natural Heating. **Embrace sustainability, choose Dorin.**

RANGE FEATURES:

- Displacement volume: from 42,81 to 244,78 m³/h
- ***External manifold** allowing operation at discharge temperatures of up to 160°C
- Special components to ensure lubrication even under extreme conditions
- Patented oil containment system for minimal lubricant carryover.

APPLICATIONS



INDUSTRIAL
HEAT PUMP

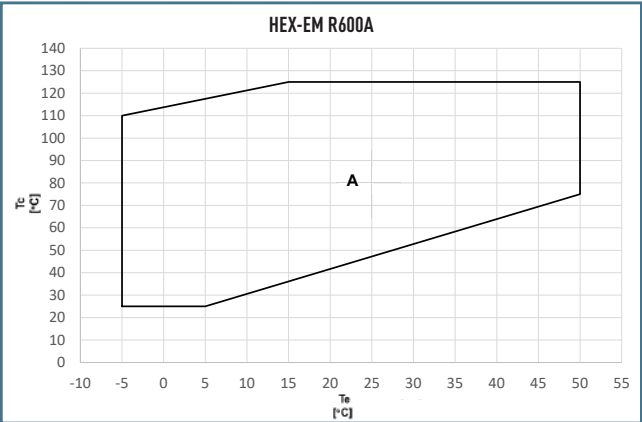
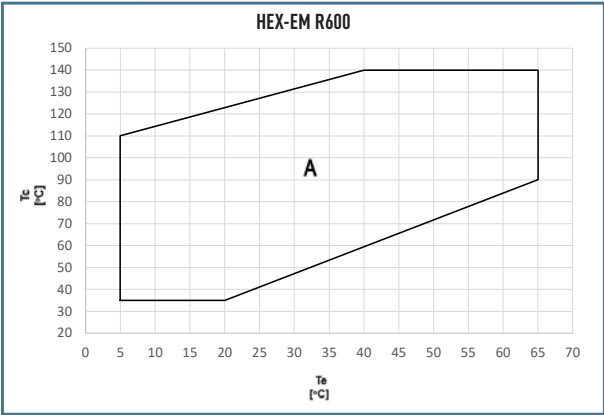
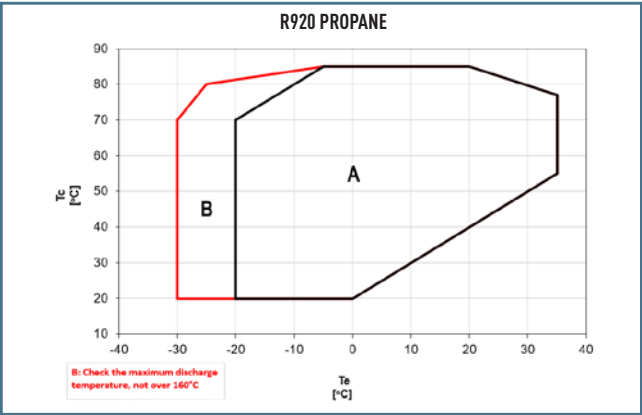


HEAT PUMP

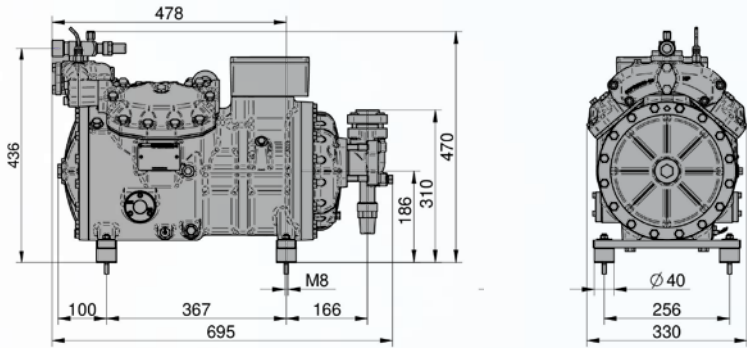
HEX EM41 - HEX EM5 - HEX EM6 - HEX EM7

RANGE	MODEL	CYLINDERS	DISPL. [m3/h] @ 50 Hz	RPM @ 50 Hz	SUCTION	DISCHARGE	NET WEIGHT [Kg]	OIL CHARGE [l]	MAX OPERATING CURRENT V / ph / Hz 380-420 / 3 / 50 440-480 / 3 / 60 PWS [A]	LOCKED ROTOR CURRENT V / ph / Hz 380-420 / 3 / 50 440-480 / 3 / 60 PWS [A]
					SL [mm]	DL [mm]				
HEX EM41	HEX-EM 150-43H	4	42,81	1450	35s	28s	130	2,5	34	171
	HEX-EM 200-49H	4	48,82	1450	42s	28s	131	2,5	38	177
	HEX-EM 250-57H	4	56,87	1450	42s	28s	131	2,5	45	203
	HEX-EM 250-64H	4	63,76	1450	42s	28S	136	2,5	45	203
HEX EM5	HEX-EM 300-76H	4	75,83	1450	54s	28s	185	3,5	56	245
	HEX-EM 350-85H	4	85,01	1450	54s	28s	199	3,5	60	260
	HEX-EM 350-92H	4	92,25	1450	54s	35s	205	3,5	60	260
	HEX-EM 350-102H	4	102,35	1450	54s	35s	205	3,5	60	260
HEX EM6	HEX EM 400-114H	6	113,74	1450	54s	35s	246	3,5	75	290
	HEX EM 500-128H	6	127,52	1450	54s	35s	249	3,5	93	358
	HEX EM 500-138H	6	138,37	1450	54s	42s	252	3,5	93	358
	HEX EM 500-154H	6	153,52	1450	54s	42s	253	3,5	93	358
HEX EM7	HEX EM 700-164H	8	164,30	1450	66s	42s	355	8,5	120	544
	HEX EM 800-184H	8	184,19	1450	80s	42s	355	8,5	148	584
	HEX EM 800-200H	8	199,86	1450	80s	42s	357	8,5	148	584
	HEX EM 800-222H	8	221,75	1450	80s	54s	357	8,5	148	584
	HEX EM 900-245H	8	244,78	1450	80s	54s	366	8,5	170	660

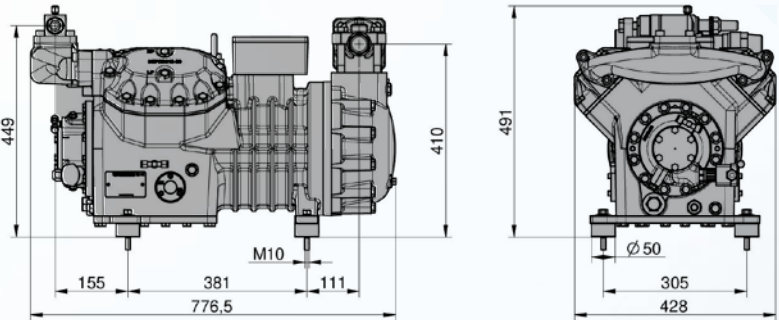
ENVELOPE



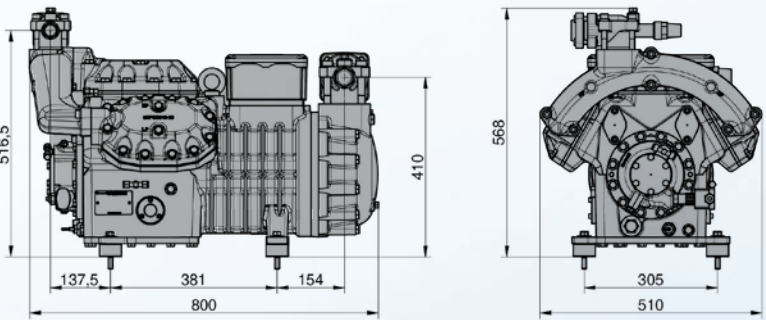
OVERALL DIMENSION



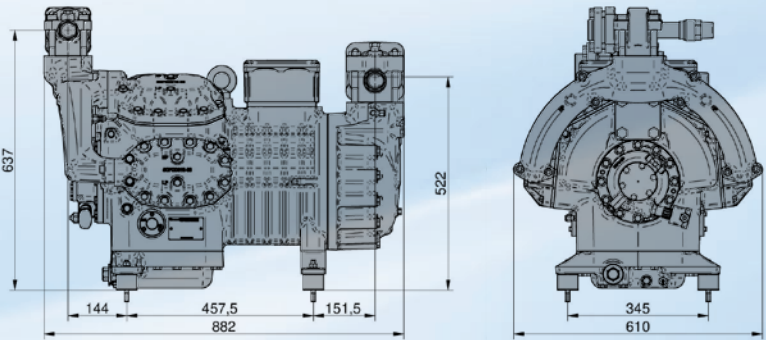
HEX EM41



HEX EM5



HEX EM6



HEX EM7

BUILT FOR FUTURE GENERATIONS



1918  2026

*Innovation with a
Beating Human Heart
since 1918*



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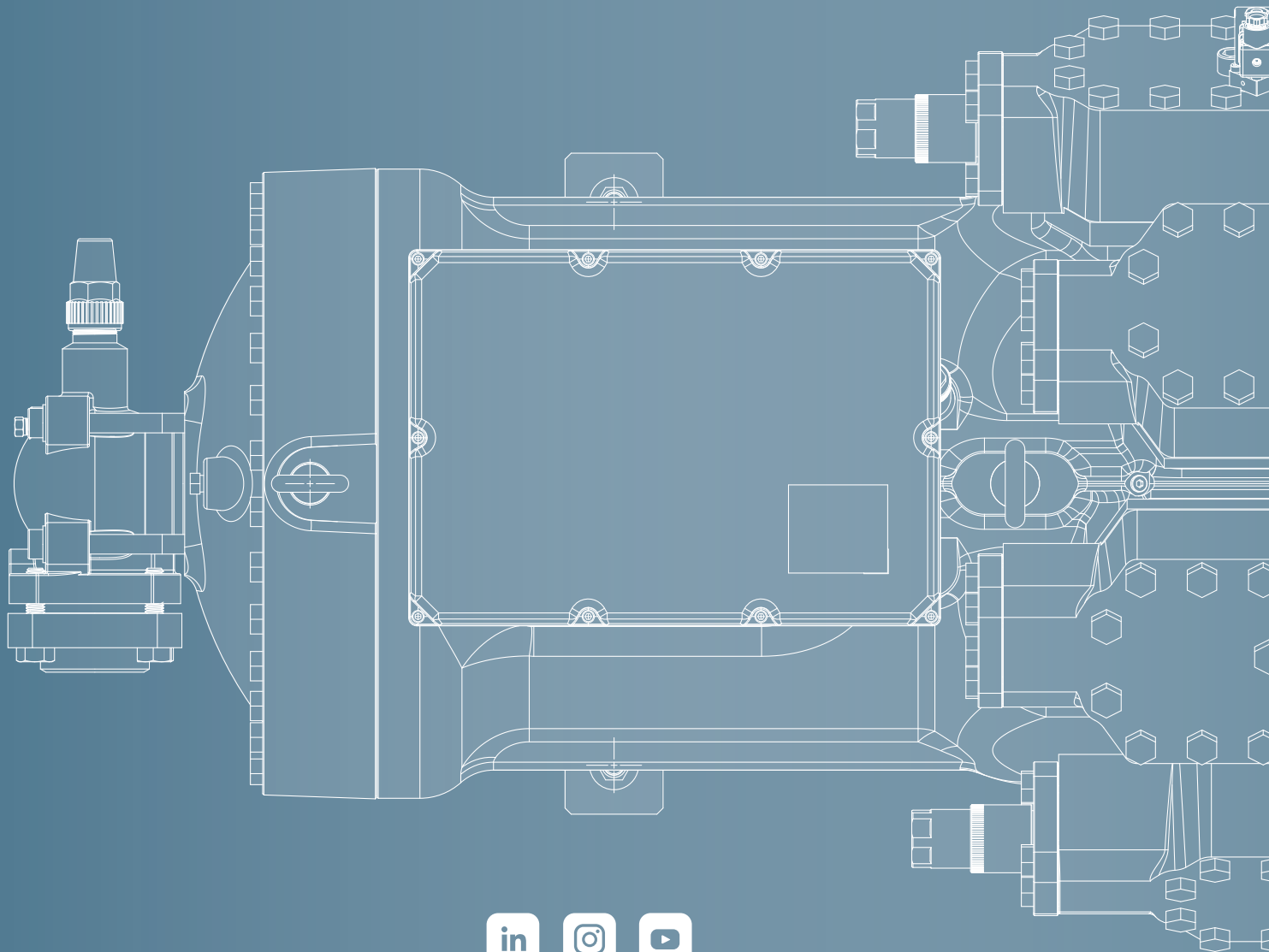
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